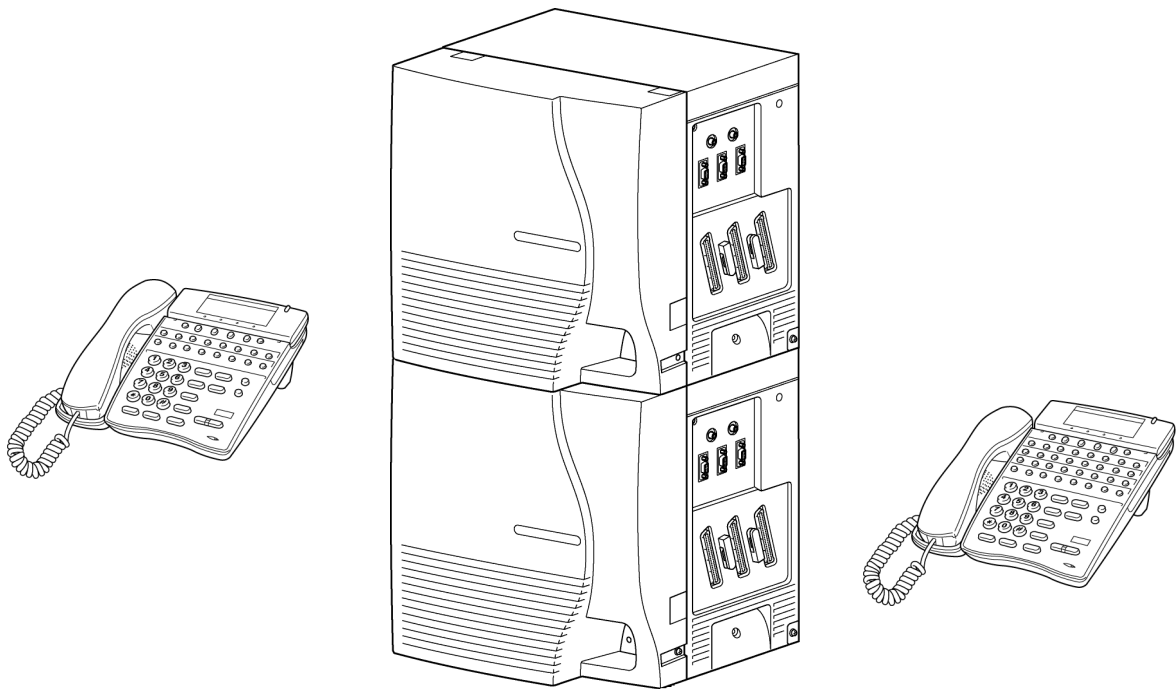


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NEC

Electra **Elite**[®] IPK



PROGRAMMING MANUAL

INT-1026 (IPK)

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Technology Development

PREFACE

SECTION 1 ABOUT THIS MANUAL

The Programming Manual provides the technician with all of the necessary information for programming the Electra Elite IPK system.

Programming can be accomplished using a PC or a Multiline Terminal.

SECTION 2 MANUAL ORGANIZATION

This manual provides instructions for programming the Electra Elite IPK system.

Chapter 1 – Multiline Terminal Programming

This chapter includes the basic information for programming the system.

Chapter 2 – Memory Blocks

This chapter includes all of the Memory Blocks used to program the system. Detailed programming instructions are provided for each Memory Block.

Chapter 3 – Advanced Applications

This chapter includes information for code restrictions, Automatic Route Selection (ARS) and ISDN-PRI Call-by-Call.

Appendices

The appendices include the function time chart, character codes and the display abbreviations.

SECTION 3 SUPPORTING DOCUMENTS

A set of manuals for the Electra Elite system provides all the information necessary to install and support the system. Other manuals included in the set are described below.

This manual provides detailed information related to every feature available in the system.

Electra Electra Elite IPK General Description Manual

This manual provides general information about the system features, configuration, and standards. An overview of the Electra Elite IPK system that is useful when presenting information to potential customers is provided.

Electra Electra Elite IPK System Hardware Manual

The System Hardware Manual is intended for the system installer and provides detailed instructions for installing the Electra Elite IPK KSU, ETUs, Multiline Terminals, and optional equipment.

Electra Electra Elite IPK Least Cost Routing Manual

This manual provides instructions to the service technician for programming the customer site for least cost routing.

Electra Electra Elite IPK Automatic Call Distribution Manual

This manual provides the service technician with instructions for programming the ACD. This manual can also be used by the ACD supervisor at the customer site to become familiar with the ACD/MIS feature.

Electra Electra Elite IPK Job Specifications Manual

This manual is intended to help the technician install and maintain the Electra Elite system. Job specification worksheets are provided. When these worksheets are completed, they provide all of the system programming values and configuration information necessary to help technicians maintain the system.

Electra Electra Elite IPK ACD Plus Installation Manual

This manual provides general information about the Electra Electra Elite IPK ACD Plus features, installation procedures and feature programming. The NEC Electra Electra Elite IPK ACD Plus is an Automatic Call Distribution card that supports up to 40 Agents and 12 supervisors at one time.

Electra Electra Elite IPK Wireless System Manual

This manual describes the system and provides hardware installation and programming procedures for the Electra Electra Elite IPK Wireless Communication System (WCS).

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TABLE OF CONTENTS

Chapter 1 Multiline Terminal Programming

| | | |
|------------------|--|-------------|
| Section 1 | General Information | 1-1 |
| Section 2 | Programming the System | 1-1 |
| 2.1 | Features of Programming | 1-2 |
| 2.2 | System Programming Modes | 1-3 |
| 2.3 | Before Programming | 1-4 |
| 2.3.1 | Check Points | 1-4 |
| 2.3.2 | Preliminary Points | 1-4 |
| 2.4 | Writing System Data | 1-5 |
| 2.5 | Programming Methods | 1-6 |
| 2.5.1 | Initializing the System | 1-6 |
| 2.5.2 | Using the Multiline Terminal for Programming | 1-6 |
| 2.5.3 | Entering Programming Mode | 1-8 |
| 2.5.4 | Page Switching | 1-9 |
| 2.5.5 | Station Port Numbering Plan | 1-12 |
| Section 3 | System Data List | 1-13 |

Chapter 2 Memory Blocks

| | | |
|------------------|---|------------|
| Section 1 | Programming System Data Using the Memory Block | 2-1 |
| 1-1-00 | Pause Time Selection | 2-2 |
| 1-1-01 | DP Interdigit Time Selection | 2-3 |
| 1-1-02 | Hookflash Time Selection | 2-4 |
| 1-1-03 | Hold Recall Time Selection (Non-Exclusive Hold) | 2-6 |
| 1-1-04 | Automatic Redial Time Selection | 2-8 |

| | | |
|--------|--|------|
| 1-1-05 | Start Time Selection | 2-9 |
| 1-1-06 | CO/PBX Incoming Ringing Alarm Time Selection | 2-11 |
| 1-1-07 | Tie Line Delay Ringing Time Selection | 2-13 |
| 1-1-09 | Manual Pause Selection | 2-16 |
| 1-1-11 | System Transfer/Camp-On Selection | 2-18 |
| 1-1-12 | Station Transfer/Camp-On Recall Time Selection | 2-19 |
| 1-1-13 | CO Transfer Ring Pattern Selection | 2-21 |
| 1-1-14 | CO Transfer Ring Tone Selection | 2-23 |
| 1-1-18 | System Speed Dial Restriction by Tenant | 2-24 |
| 1-1-20 | DID Digit Length Selection | 2-27 |
| 1-1-21 | DID Digit Conversion Assignment | 2-28 |
| 1-1-22 | DID Digit Conversion Table | 2-29 |
| 1-1-23 | DID Forward Station Number for Busy Station or Undefined Digit | 2-31 |
| 1-1-24 | PBX/CTX Access Code Assignment I | 2-33 |
| 1-1-25 | PBX/CTX Access Code Assignment II | 2-35 |
| 1-1-27 | Automatic Day/Night Mode Switching Time Assignment | 2-37 |
| 1-1-28 | Distinctive Ringing by Telephone or CO Selection | 2-39 |
| 1-1-29 | Private Line Assignment | 2-40 |
| 1-1-30 | Route Advance Block Assignment | 2-41 |
| 1-1-32 | Automatic Day/Night Mode by Day of Week Selection | 2-43 |
| 1-1-33 | Speed Dial Number/Name Display Selection | 2-45 |
| 1-1-34 | Tie Line First Ring Pattern Selection | 2-46 |
| 1-1-35 | Speed Dial Buffer Allocation | 2-48 |
| 1-1-37 | Trunk Queuing Timeout Selection | 2-49 |
| 1-1-46 | Access Code (1-Digit) Assignment | 2-51 |
| 1-1-47 | Access Code (2-Digit) Assignment | 2-58 |
| 1-1-48 | Access Code (3-Digit) Assignment | 2-60 |
| 1-1-49 | Networking Trunk Group/Route Advance Assignment | 2-64 |
| 1-1-50 | CO/PBX Outgoing Digit Add Assignment | 2-65 |
| 1-1-51 | CO Line Ringing Pattern Selection | 2-67 |
| 1-1-52 | PBX Line Ringing Pattern Selection | 2-69 |
| 1-1-53 | Tie Line Delay Ring Pattern Selection | 2-71 |

| | | |
|--------|--|-------|
| 1-1-54 | Automated Attendant Transfer Ring Pattern | 2-73 |
| 1-1-55 | DID Line Ringing Pattern Selection | 2-75 |
| 1-1-57 | CO/PBX Prepause Time Selection | 2-76 |
| 1-1-59 | Synchronous Ringing Selection | 2-77 |
| 1-1-60 | 8-Digit Matching Table Assignment | 2-78 |
| 1-1-61 | 8-Digit Matching Table to Class Assignment | 2-80 |
| 1-1-62 | System Speed Dial Override by Class Selection | 2-82 |
| 1-1-63 | Hold Recall Time Selection (Exclusive) | 2-83 |
| 1-1-65 | Code Restriction Class Allow/Deny Selection | 2-85 |
| 1-1-66 | 8-Digit Matching Table to Normal Dial Assignment | 2-86 |
| 1-1-67 | OCC Table Assignment | 2-87 |
| 1-1-68 | 8-Digit Matching Table to OCC Table Assignment | 2-88 |
| 1-1-69 | Tie Line Code Restriction Assignment | 2-89 |
| 1-1-70 | Code Restriction Class Assignment When Lockout is Set | 2-90 |
| 1-1-71 | First Delay Announcement Start Time Selection | 2-91 |
| 1-1-72 | First Delay Announcement Repeat Selection | 2-92 |
| 1-1-73 | First to Second Delay Announcement Interval Time Selection | 2-93 |
| 1-1-74 | Second Delay Announcement Repeat Selection | 2-94 |
| 1-1-75 | Second Delay Announcement Repeat Interval Time Selection | 2-95 |
| 1-1-76 | Barge-In Alert Tone Assignment | 2-96 |
| 1-1-77 | Delayed Ringing Time Assignment (CO) | 2-97 |
| 1-1-78 | Caller ID Display Assignment for System Mode | 2-98 |
| 1-1-79 | BGM Port Assignment | 2-99 |
| 1-1-80 | ISDN DTMF Duration/Interdigit Selection | 2-100 |
| 1-1-81 | ISDN Dial Interval Time Selection | 2-101 |
| 1-1-82 | CO Feature Code Service for Code Restriction | 2-103 |
| 1-1-86 | Call Monitoring Alert Tone Assignment | 2-104 |
| 1-2-00 | Internal Paging Timeout Selection | 2-105 |
| 1-2-01 | Intercom Call Voice/Tone Signal Selection | 2-107 |
| 1-2-02 | Automatic Callback Release Time Selection | 2-108 |
| 1-2-03 | 2~7-Digit Station Number Selection | 2-110 |
| 1-2-04 | Call Arrival Key Block Assignment | 2-112 |

| | | |
|-----------|--|-------|
| 1-2-08 | Specified Station Access Code Assignment | 2-114 |
| 1-2-09~18 | Customized Message 1~10 Assignment | 2-116 |
| 1-2-19 | Intercom Ring Pattern Selection | 2-117 |
| 1-2-20 | Intercom Ring Tone Selection | 2-119 |
| 1-2-21 | PS Telephone Block Assignment | 2-120 |
| 1-2-22 | Call Forward - No Answer Time Selection | 2-122 |
| 1-2-23 | System Call Park Recall Time Selection | 2-124 |
| 1-2-24 | Intercom Feature Access Code Assignment | 2-126 |
| 1-2-25 | Internal Paging Alert Tone Selection | 2-128 |
| 1-2-26 | Delayed Ringing Time Assignment (ICM) | 2-129 |
| 1-2-30 | PS Out of Area Time Assignment | 2-130 |
| 1-2-32 | IP Telephone Block Assignment | 2-131 |
| 1-2-33 | IP Telephone Block Assignment Allow/Deny Selection | 2-133 |
| 1-2-34 | Expanded Station Number Assignment | 2-135 |
| 1-3-01 | Bounce Protect Time Selection | 2-137 |
| 1-3-02 | SLT Hookflash Signal Selection | 2-138 |
| 1-3-03 | First Digit PBR Release Time Selection | 2-139 |
| 1-3-04 | Dial 1 (DP) Hookflash Selection | 2-141 |
| 1-3-05 | Hookflash Start Time Selection | 2-142 |
| 1-3-06 | Hookflash End Time Selection | 2-143 |
| 1-3-07 | Voice Mail Digit Add Assignment | 2-144 |
| 1-3-08 | Voice Mail DTMF Delay Time Selection | 2-145 |
| 1-3-09 | Voice Mail Disconnect Time Selection | 2-146 |
| 1-3-10 | Voice Mail DTMF Duration/Interdigit Time Selection | 2-147 |
| 1-3-11 | SLT/PS II Talk Start Timer | 2-148 |
| 1-3-12 | SLT/ISDN TELCO Account Codes Allow/Deny Selection | 2-150 |
| 1-4-00 | Tandem Transfer Automatic Disconnect Time Selection | 2-151 |
| 1-4-01 | Automated Attendant First Digit PBR Release Time Selection | 2-152 |
| 1-4-02 | Automated Attendant Transfer Delayed Ringing Time Selections | 2-154 |
| 1-4-03 | Automated Attendant No Answer Disconnect Time Selection | 2-157 |
| 1-4-04 | Tandem Transfer SMDR Print Extension Assignment | 2-159 |
| 1-4-05 | Automatic Tandem Trunk by Night Mode Selection | 2-160 |

| | | |
|--------|--|-------|
| 1-4-08 | Automated Attendant PBR Timeout Response Selection | 2-161 |
| 1-4-09 | Automated Attendant PBR Start Time Selection | 2-162 |
| 1-4-11 | Automated Attendant Message Day/Night Mode Selection | 2-163 |
| 1-4-12 | Automated Attendant Message to Tenant Assignment | 2-164 |
| 1-4-13 | Automated Attendant Answer Delay Time Assignment | 2-165 |
| 1-4-14 | Automated Attendant Message Access Code (1-Digit) Assignment | 2-166 |
| 1-4-15 | Automated Attendant Message Access Code (2-Digit) Assignment | 2-169 |
| 1-4-16 | Automated Attendant Message Repeat Selection | 2-170 |
| 1-4-17 | Automated Attendant Delay Announcement Hold Tone Selection | 2-171 |
| 1-4-18 | Automated Attendant Delay Announcement Assignment | 2-172 |
| 1-4-19 | Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection | 2-173 |
| 1-4-20 | Automated Attendant Delay Announcement Disconnect Time Selection | 2-174 |
| 1-4-21 | Automated Attendant Extension Number Assignment | 2-175 |
| 1-4-22 | Automated Attendant Direct Extension Ring Assignment | 2-176 |
| 1-5-02 | SMDR Print Format | 2-177 |
| 1-5-13 | Printer Connected Selection | 2-178 |
| 1-5-14 | Printer Line Feed Control Selection | 2-179 |
| 1-5-25 | SMDR Valid Call Time Assignment | 2-181 |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection | 2-182 |
| 1-6-01 | Attendant Add-On Console to Telephone Port Assignment | 2-183 |
| 1-6-03 | DSS Call Voice/Tone Signal Selection | 2-184 |
| 1-6-05 | Attendant Add-On Console Key Selection | 2-185 |
| 1-6-07 | Message Board Lamp Assignment | 2-188 |
| 1-6-08 | Attendant Transfer Selection During Live Record | 2-189 |
| 1-7-00 | Doorphone Assignment | 2-191 |
| 1-7-01 | Doorphone Display Time Selection | 2-192 |
| 1-7-02 | External Speaker Connection Selection | 2-194 |
| 1-7-03 | External Paging Alert Tone Selection | 2-195 |
| 1-7-04 | Doorphone Ring Pattern Selection | 2-196 |
| 1-7-05 | Doorphone Ringing Frequency Selection | 2-198 |

| | | |
|--------|--|-------|
| 1-7-06 | External Paging Timeout Selection | 2-200 |
| 1-7-07 | External Ring Relay Pattern Selection | 2-202 |
| 1-7-08 | External Speaker Chime Selection | 2-204 |
| 1-7-09 | External Speaker Chime Start Time Selection | 2-205 |
| 1-8-01 | SLT or Automated Attendant/DISA to CPU PBR Selection | 2-207 |
| 1-8-02 | PBR Receive Level Assignment for Automated Attendant/DISA | 2-208 |
| 1-8-04 | Time Display (12h/24h) Selection | 2-210 |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 | 2-211 |
| 1-8-08 | Class of Service (Station) Feature Selection 2 | 2-214 |
| 1-8-09 | Music on Hold Pattern Selection | 2-220 |
| 1-8-10 | PBR Interdigit Release Time Selection | 2-221 |
| 1-8-11 | System Refresh Time Assignment | 2-223 |
| 1-8-12 | VRS Message Recording Time Selection | 2-224 |
| 1-8-13 | VRS Message Function Assignment | 2-225 |
| 1-8-15 | Tone Assignment | 2-227 |
| 1-8-16 | Voice Prompt to Tone Assignment | 2-230 |
| 1-8-17 | PC Programming Password Assignment | 2-231 |
| 1-8-18 | Site Name Assignment | 2-232 |
| 1-8-25 | ACD/UCD Group Agent Assignment | 2-233 |
| 1-8-26 | Voice Mail Quick Transfer Master Hunt Number | 2-234 |
| 1-8-27 | Forced Account Code/Authorization Code Length Assignment | 2-236 |
| 1-8-29 | SCD (Simplified Call Distribution) Pilot Number Assignment | 2-238 |
| 1-8-30 | SCD Group Agent Assignment | 2-239 |
| 1-8-31 | Hold Tone Source Assignment | 2-240 |
| 1-8-32 | Hold Internal Tone Volume Selection | 2-241 |
| 1-8-33 | Master Clock Selection | 2-242 |
| 1-8-35 | COM Port Baud Rate Setting Assignment | 2-244 |
| 1-8-36 | COM Port Parity/Stop Bit Setting Assignment | 2-245 |
| 1-8-37 | General Purpose Relay Assignment | 2-246 |
| 1-8-38 | Modem Number For Remote Programming Assignment | 2-247 |
| 1-8-40 | ACD Hunt Time | 2-248 |
| 1-8-43 | Enhanced 911 Trunk Assignment | 2-249 |

| | | |
|---------|---|-------|
| 1-8-44 | Enhanced 911 Alternate Route Assignment | 2-251 |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) | 2-252 |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment | 2-254 |
| 1-8-47 | Call Arrival Key Voice Mail Message Notification Assignment | 2-255 |
| 1-8-48 | Automatic Daylight Saving Time Selection | 2-256 |
| 1-8-49 | New AA-Info Yes/No Selection | 2-257 |
| 1-8-51 | Call Park Selection | 2-260 |
| 1-9-00 | DISA ID Code Assignment | 2-261 |
| 1-9-02 | DISA Password Effect/Invalid Selection | 2-262 |
| 1-10-00 | Call by Call Type of Network ID Assignment | 2-263 |
| 1-10-01 | Call by Call ID Plan Assignment | 2-265 |
| 1-10-02 | Call by Call Type of Number Assignment | 2-267 |
| 1-10-03 | Call by Call Numbering Plan ID Assignment | 2-269 |
| 1-10-04 | Call by Call Network ID Assignment | 2-271 |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) | 2-273 |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) | 2-275 |
| 1-10-07 | Call by Call Service Parameter Assignment | 2-277 |
| 1-10-08 | Call by Call Max Digit Assignment | 2-279 |
| 1-10-09 | Call by Call Simulated Facility Group Assignment | 2-281 |
| 1-10-20 | Call by Call Outgoing SFG Assignment | 2-283 |
| 1-10-21 | Call by Call Outgoing/Incoming SFG Assignment | 2-285 |
| 1-10-22 | Call by Call Incoming Type Selection | 2-287 |
| 1-11-00 | T1 Signal Format Selection | 2-289 |
| 1-11-01 | Clear Channel Selection | 2-290 |
| 1-11-02 | Line Length Selection | 2-291 |
| 1-11-03 | IP K-CCIS Selection | 2-292 |
| 1-11-05 | T1 Channel Selection | 2-294 |
| 1-11-06 | Signaling Selection | 2-296 |
| 1-11-07 | DTI Trunk Type Assignment | 2-297 |
| 1-11-08 | Digits Delete for T1 ANI Assignment | 2-299 |
| 1-12-00 | ACD/UCD Group Pilot Number Assignment | 2-301 |
| 1-12-01 | ACD/UCD Group Overflow Destination Assignment | 2-303 |

| | | |
|---------|--|-------|
| 1-12-02 | ACD/UCD Overflow Time Selection | 2-305 |
| 1-13-00 | PRT Channel Assignment | 2-307 |
| 1-13-01 | PRT Signal Format Selection | 2-309 |
| 1-13-02 | Clear Channel Selection | 2-311 |
| 1-13-03 | Call by Call Service Selection | 2-312 |
| 1-13-04 | PRT B Channel Outgoing Priority Selection | 2-313 |
| 1-13-05 | PRT B Channel-to-Trunk Group Assignment | 2-314 |
| 1-14-00 | ARS Allow/Deny Selection | 2-317 |
| 1-14-01 | ARS Dialing Assignment | 2-318 |
| 1-14-02 | ARS Dial Allow/Deny Selection | 2-320 |
| 1-14-03 | ARS Route Table Number Assignment | 2-322 |
| 1-14-04 | ARS Trunk Group to Route Number Assignment | 2-324 |
| 1-14-05 | ARS Digit Delete Assignment | 2-326 |
| 1-14-06 | ARS Digit Add Assignment | 2-328 |
| 1-14-07 | ARS Max Digit Assignment | 2-330 |
| 1-15-00 | K-CCIS Main/Remote Office Selection | 2-333 |
| 1-15-01 | Common Signal Channel Data Speed Assignment | 2-335 |
| 1-15-02 | Common Signal Channel Assignment | 2-337 |
| 1-15-03 | Originating Point Code Assignment | 2-339 |
| 1-15-04 | Destination Point Code Assignment | 2-341 |
| 1-15-05 | Destination Point Code Transfer Assignment | 2-343 |
| 1-15-06 | Originating Office Code Number Assignment | 2-346 |
| 1-15-07 | K-CCIS Message Response Timeout Assignment | 2-348 |
| 1-15-08 | Link Reconnect Allow/Deny Selection | 2-350 |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment | 2-352 |
| 1-15-10 | Calling Name Display Allow/Deny Selection | 2-354 |
| 1-15-11 | Centralized Billing Allow/Deny Selection | 2-356 |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment | 2-358 |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment | 2-360 |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment | 2-362 |
| 1-15-15 | Centralized BLF Send Point Code Assignment | 2-364 |
| 1-15-16 | Centralized BLF Send Extension Number Assignment | 2-366 |

| | | |
|---------|--|-------|
| 1-15-17 | Centralized BLF Send Time Assignment | 2-368 |
| 1-15-18 | Centralized BLF Receive Extension Number Assignment | 2-370 |
| 1-15-19 | Centralized 911 Allow/Deny Selection | 2-372 |
| 1-15-20 | Centralized 911/Calling Party (CPN) Originating Number Selection | 2-374 |
| 1-15-21 | Centralized 911 Look Ahead Routing Allow/ Deny Selection | 2-376 |
| 1-16-00 | Auto Negotiation Yes/No Selection | 2-379 |
| 1-16-01 | Port Speed Selection – 10/100 Base-T | 2-381 |
| 1-16-02 | Port Duplex Mode Selection | 2-383 |
| 1-16-03 | MDI/MDIX Mode Selection | 2-385 |
| 1-16-04 | VLAN Mode Selection | 2-387 |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment | 2-389 |
| 1-16-06 | Port Based Priority Selection | 2-391 |
| 1-16-07 | High Priority RX Tag Threshold | 2-393 |
| 1-16-08 | High Priority TX Tag Assignment | 2-395 |
| 1-16-09 | Low Priority TX Tag Assignment | 2-397 |
| 1-16-10 | Port Mirroring Selection | 2-399 |
| 1-16-11 | Mirroring Source Port Assignment | 2-401 |
| 1-16-12 | Mirroring Target Port Assignment | 2-403 |
| 1-16-13 | VLAN Group to VLAN ID Assignment | 2-405 |
| 1-16-14 | Port VLAN Group Membership | 2-407 |
| 1-16-15 | VLAN Tag Insertion Selection | 2-409 |
| 1-16-16 | Flow Control for Full Duplex Selection | 2-411 |
| 1-16-17 | Back Pressure for Half Duplex | 2-413 |
| 2-01 | Trunk to Tenant Assignment | 2-415 |
| 2-05 | Line Key Selection | 2-417 |
| 2-06 | Line Key Selection for Tenant Mode | 2-418 |
| 2-07 | System Speed Dial Display Assignment | 2-421 |
| 2-08 | ECR Relay to Tenant Assignment | 2-423 |
| 2-09 | DID Limit to Tenant Assignment | 2-424 |
| 3-00 | Trunk Name/Number Assignment | 2-425 |
| 3-02 | Trunk Status Selection | 2-426 |
| 3-03 | Trunk-to-Trunk Group Assignment | 2-427 |

| | | |
|------|---|-------|
| 3-04 | Trunk-to-Trunk Transfer Yes/No Selection | 2-428 |
| 3-05 | Trunk Incoming Answer Mode Selection | 2-430 |
| 3-06 | Automatic Tandem Trunk Assignment | 2-432 |
| 3-07 | CO/PBX Ringing Variation Selection | 2-433 |
| 3-11 | CO External Source Selection | 2-434 |
| 3-12 | Trunk-to-MOH Trunk Assignment | 2-435 |
| 3-14 | Tie Line Type Assignment | 2-436 |
| 3-15 | Trunk DTMF Duration/Interdigit Selection | 2-438 |
| 3-16 | Tie Line Prepause Time Selection | 2-440 |
| 3-17 | Tie Line Answer Detect Time Selection | 2-441 |
| 3-18 | Tie Line Release Detect Time Selection | 2-442 |
| 3-19 | Tie Line/CO/PBX Incoming Signal Detect Time Selection | 2-444 |
| 3-20 | Tie Line Loop Off-Guard Time Selection | 2-446 |
| 3-21 | Tie Line Length of Wink Signal Selection | 2-448 |
| 3-22 | Tie Line Length of Delay Signal Selection | 2-450 |
| 3-24 | Tie Line Incoming Interdigit Timeout Selection | 2-452 |
| 3-25 | Tie Line Wink/Delay Signal Detect Timeout Selection | 2-454 |
| 3-27 | Tie Line Dial Tone Selection | 2-456 |
| 3-28 | Tie Line Reorder Tone Selection | 2-457 |
| 3-29 | Trunk Internal Transmit Pad Selection | 2-459 |
| 3-30 | Trunk Internal Receive Pad Selection | 2-461 |
| 3-31 | Trunk External Transmit Pad Selection | 2-463 |
| 3-32 | Trunk External Receive Pad Selection | 2-465 |
| 3-33 | Disconnect Recognition Time Selection | 2-467 |
| 3-38 | Automated Attendant Message to Trunk Selection | 2-468 |
| 3-40 | Automatic Release Signal Detection Selection | 2-469 |
| 3-41 | Delay Announcement Assignment | 2-470 |
| 3-42 | DIT Assignment | 2-471 |
| 3-43 | ANA Assignment | 2-473 |
| 3-44 | Caller ID Display Assignment for CO/PBX Line | 2-475 |
| 3-45 | Live Record Trunk Selection | 2-477 |
| 3-50 | ISDN Line SPID Assignment | 2-478 |

| | | |
|------|--|-------|
| 3-52 | ISDN Trunk Directory Number Assignment | 2-479 |
| 3-53 | Caller Name Indication Selection | 2-480 |
| 3-59 | Automated Attendant Function Selection | 2-481 |
| 3-61 | DIT/ANA Delay Answer Time Selection | 2-482 |
| 3-62 | DIT Tenant Assignment | 2-484 |
| 3-63 | DIT Weekend Mode Selection | 2-485 |
| 3-64 | DIT Night Mode Delay Answer Selection | 2-486 |
| 3-65 | Hold Tone Automated Attendant Selection | 2-487 |
| 3-67 | CO/PBX Ringing Pattern Selection | 2-489 |
| 3-69 | 911 – Cut Through Trunk Selection | 2-491 |
| 3-70 | CIC Number Assignment | 2-493 |
| 3-73 | CO Message Waiting Yes/No Selection | 2-495 |
| 3-77 | ISDN-BRI/PRI Directory Number Checking Selection | 2-496 |
| 3-90 | Polarity Reverse Selection | 2-498 |
| 3-91 | Trunk Type Selection | 2-499 |
| 3-92 | Trunk (Installed, DP/DTMF) Selection | 2-500 |
| 4-01 | CO/PBX Ring Assignment (Day Mode) | 2-501 |
| 4-02 | CO/PBX Ring Assignment (Night Mode) | 2-503 |
| 4-03 | Doorphone Chime Assignment (Day Mode) | 2-505 |
| 4-04 | Doorphone Chime Assignment (Night Mode) | 2-507 |
| 4-07 | Code Restriction Class Assignment (Day Mode) | 2-509 |
| 4-08 | Code Restriction Class Assignment (Night Mode) | 2-510 |
| 4-09 | Telephone to Tenant Assignment | 2-511 |
| 4-10 | Station Number Assignment | 2-513 |
| 4-11 | Ringing Line Preference Selection | 2-515 |
| 4-12 | Line Key Selection for Telephone Mode | 2-517 |
| 4-13 | CO/PBX Busy Forward Station Assignment | 2-520 |
| 4-14 | Intercom Master Hunt Number Selection | 2-521 |
| 4-15 | Intercom Master Hunt Number Forward Assignment | 2-523 |
| 4-17 | Station to Class of Service Feature Assignment | 2-526 |
| 4-18 | Station Name Assignment | 2-528 |
| 4-19 | Trunk Outgoing Restriction | 2-530 |

| | | |
|------|--|-------|
| 4-23 | Prime Line/Hot Line Assignment | 2-532 |
| 4-24 | SLT Hookflash Assignment | 2-534 |
| 4-26 | DISA ID Number Station Assignment | 2-536 |
| 4-28 | Multilingual LCD Indication Selection | 2-537 |
| 4-29 | HFU Selection | 2-538 |
| 4-30 | Hold/Transfer Recall Display Selection | 2-539 |
| 4-31 | Receiving Internal/All Call Page Selection | 2-540 |
| 4-32 | Trunk Digit Restriction | 2-541 |
| 4-35 | Voice Mail/SLT Selection | 2-542 |
| 4-36 | Voice Prompt Selection | 2-544 |
| 4-37 | Extension Line Key Ring Assignment (Day Mode) | 2-545 |
| 4-38 | Extension Line Key Ring Assignment (Night Mode) | 2-547 |
| 4-39 | APR Ring Mode Assignment | 2-549 |
| 4-40 | LCR Class Selection | 2-551 |
| 4-41 | SIE/CAR Ringing Line Preference Selection | 2-553 |
| 4-42 | Call Forward-Busy Immediately/Delay Selection | 2-555 |
| 4-43 | Station to Call Appearance Block Assignment | 2-557 |
| 4-44 | Caller ID Preset Dial Outgoing CO Selection | 2-558 |
| 4-46 | Live Record Auto Delete Selection | 2-559 |
| 4-47 | ISDN Directory Number Selection | 2-560 |
| 4-49 | Caller ID Display for CAR Key Assignment | 2-562 |
| 4-50 | Multiline Terminal Type Selection | 2-563 |
| 4-51 | Off-Hook Ringing Selection | 2-565 |
| 4-52 | CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode) | 2-566 |
| 4-53 | CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode) | 2-568 |
| 4-54 | Enhanced 911 CESID to Station Table Assignment | 2-570 |
| 4-55 | CO/PBX Telephone Ringing Pattern Selection | 2-572 |
| 4-56 | SMDR Telephone Print Selection | 2-574 |
| 4-57 | CO Line Ringing Pattern Priority Selection | 2-575 |
| 4-58 | Automated Attendant Selection for DID | 2-577 |
| 4-59 | APR/APA Hookflash Selection | 2-578 |

| | | |
|--------|--|-------|
| 4-62 | ISDN-PRI Directory Number Selection | 2-580 |
| 4-64 | Code Restriction Class (without Authorization Code) Day Mode Assignment | 2-582 |
| 4-65 | Code Restriction Class (without Authorization Code) Night Mode Assignment | 2-584 |
| 4-66 | MOH or Ring Back Tone Selection | 2-586 |
| 4-67 | IP Station Number Assignment | 2-588 |
| 4-68 | LCD Line Key – Name Assignment | 2-590 |
| 4-69 | CO Message Waiting Indication Assignment | 2-592 |
| 4-70 | LCD Line Key – Name Assignment (Station Add-On Console) | 2-594 |
| 4-71 | Station to Timer Class of Service | 2-596 |
| 4-90 | SLT Data Line Security Assignment | 2-598 |
| 4-91 | Telephone Ringing Variation Selection | 2-600 |
| 4-92 | Receiving Volume Selection | 2-602 |
| 4-93 | Internal Zone Paging Selection | 2-603 |
| 4-94 | 3-Minute Alarm Selection | 2-605 |
| 4-95 | DTMF/DP SLT Type Selection | 2-606 |
| 5-00 | Digit Add/Del for Tie Line Networking Assignment | 2-607 |
| 5-01 | Tie Line Networking Tandem Connection Assignment | 2-609 |
| 5-02 | 8-Digit Matching Table to Trunk Group Assignment | 2-611 |
| 5-03 | OCC Table to Trunk Group Assignment | 2-612 |
| 5-04 | LCR Class to Trunk Group Selection | 2-613 |
| 5-05 | Common Signaling Channel Route Assignment | 2-615 |
| 5-06 | Trunk Group Outgoing Priority Selection | 2-617 |
| 6-2 | Tenant Mode Copy Assignment | 2-619 |
| 6-3 | CO Line Mode Copy Assignment | 2-621 |
| 6-4 | Telephone Mode Copy Assignment | 2-623 |
| 6-5 | Trunk Group Mode Copy Assignment | 2-625 |
| 7-1 | Card Interface Slot Assignment | 2-627 |
| 7-2 | Telephone Type Assignment | 2-635 |
| 7-3-00 | MIF (ACD) Assignment | 2-636 |
| 7-3-01 | MIF (LCR) Assignment | 2-637 |
| 7-3-02 | MIF (SMDR) Assignment | 2-638 |

| | | |
|--------|---------------------------------------|-------|
| 7-3-03 | MIF (UCD) Assignment | 2-639 |
| 7-3-04 | MIF (Caller ID) Assignment | 2-640 |
| 8-1 | ROM Version Confirmation | 2-641 |
| 8-2 | System Speed Dial Memory Clear | 2-642 |
| 8-3 | Station Speed Dial Memory Clear | 2-643 |
| 8-8 | Second Initialization | 2-645 |
| | Clock/Calendar Setting | 2-646 |

Chapter 3 Advanced Applications

| | | |
|------------------|--|------------|
| Section 1 | Code Restriction | 3-1 |
| 1.1 | General | 3-1 |
| 1.2 | Default Assignments | 3-1 |
| 1.3 | Memory Blocks | 3-2 |
| 1.4 | Memory Block Description | 3-3 |
| 1.4.1 | General | 3-3 |
| 1.4.2 | OCC Assignment/Operation | 3-3 |
| 1.4.3 | 8-Digit Matching Table Assignment/Operation | 3-4 |
| 1.4.4 | System Speed Dial Override by Class Selection (Memory Block 1-1-62) | 3-5 |
| 1.4.5 | Tie Line Code Restriction Assignment (Memory Block 1-1-69) | 3-5 |
| 1.4.6 | Code Restriction Class Assignment when Lockout is Set (Memory Block 1-1-70) | 3-6 |
| 1.4.7 | CO Feature Code Service For Code Restriction (Memory Block 1-1-82) | 3-6 |
| 1.4.8 | Trunk Digit Restriction Assignment (Memory Block 4-32) | 3-6 |
| 1.4.9 | Code Restriction Class Assignment (Day Mode) (Memory Block 4-07) | 3-6 |
| 1.4.10 | Code Restriction Class Assignment (Night Mode) (Memory Block 4-08) | 3-6 |
| 1.5 | Code Restriction Tables (Default Values) | 3-6 |
| 1.5.1 | OCC Tables with Default Values | 3-6 |

| | | |
|------------------|---|-------------|
| 1.5.2 | 8-Digit Matching Tables with Default Values | 3-8 |
| 1.6 | Code Restriction Algorithm | 3-12 |
| Section 2 | Automatic Route Selection | 3-15 |
| 2.1 | General | 3-15 |
| 2.2 | Memory Blocks | 3-15 |
| 2.3 | Memory Block Description | 3-16 |
| 2.3.1 | Access Code (1-Digit) Assignment (Memory Block 1-1-46) | 3-16 |
| 2.3.2 | Class of Service (Station) Feature Selection 2 (Memory Block 1-8-08) | 3-16 |
| 2.3.3 | ARS Allow/Deny Selection (Memory Block 1-14-00) | 3-16 |
| 2.3.4 | ARS Dialing Assignment (Memory Block 1-14-01) | 3-16 |
| 2.3.5 | ARS Dial Allow/Deny Selection (Memory Block 1-14-02) | 3-16 |
| 2.3.6 | ARS Route Table Number Assignment (Memory Block 1-14-03) | 3-16 |
| 2.3.7 | ARS Trunk Group to Route Number Assignment (Memory Block 1-14-04) | 3-16 |
| 2.3.8 | ARS Digit Delete Assignment (Memory Block 1-14-05) | 3-17 |
| 2.3.9 | ARS Digit Add Assignment (Memory Block 1-14-06) | 3-17 |
| 2.3.10 | ARS Max Digit Assignment (Memory Block 1-14-07) | 3-17 |
| 2.3.11 | Trunk-to-Trunk Group Assignment (Memory Block 3-03) | 3-17 |
| 2.3.12 | Trunk Type Selection (Memory Block 3-91) | 3-17 |
| 2.3.13 | LCR Class Selection (Memory Block 4-40) | 3-17 |
| 2.4 | ARS Operation Example | 3-18 |
| 2.5 | Service Conditions | 3-20 |
| 2.6 | ARS Flowcharts | 3-27 |

| | | |
|------------------|---|-------------|
| Section 3 | ISDN-PRI Call by Call | 3-31 |
| 3.1 | General | 3-31 |
| 3.2 | Memory Blocks | 3-31 |
| 3.3 | Memory Block Description | 3-33 |
| 3.3.1 | DID Digit Length Selection (Memory Block 1-1-20) | 3-33 |
| 3.3.2 | DID Digit Conversion Assignment (Memory Block 1-1-21) | 3-33 |
| 3.3.3 | DID Digit Conversion Table (Memory Block 1-1-22) | 3-33 |
| 3.3.4 | DID Forward Station Number for Busy Station or Undefined Digit (Memory Block 1-1-23) | 3-33 |
| 3.3.5 | Access Code (1-, 2-, or 3-Digit) Assignment (Memory Block 1-1-46~48) | 3-33 |
| 3.3.6 | Route Advance Block Assignment (Memory Block 1-1-30) | 3-34 |
| 3.3.7 | ISDN DTMF Duration/Interdigit Selection (Memory Block 1-1-80) | 3-34 |
| 3.3.8 | ISDN / K-CCIS Interval Time Selection (Memory Block 1-1-81) | 3-34 |
| 3.3.9 | SLT or Automated Attendant/DISA to CPU PBR Selection (Memory Block 1-8-01) | 3-34 |
| 3.3.10 | PBR Receive Level Assignment for Automated Attendant/DISA (Memory Block 1-8-02) | 3-34 |
| 3.3.11 | Master Clock Selection (Memory Block 1-8-33) | 3-34 |
| 3.3.12 | Trunk to Tenant Assignment (Memory Block 2-01) | 3-34 |
| 3.3.13 | Line Key Selection (Memory Block 2-05) | 3-34 |
| 3.3.14 | Line Key Selection for Tenant Mode (Memory Block 2-06) | 3-35 |
| 3.3.15 | Trunk-to-Trunk Group Assignment (Memory Block 3-03) | 3-35 |
| 3.3.16 | Trunk Incoming Answer Mode Selection (Memory Block 3-05) | 3-35 |
| 3.3.17 | Automatic Release Signal Detection Selection (Memory Block 3-40) | 3-35 |
| 3.3.18 | DIT Assignment (Memory Block 3-42) | 3-35 |
| 3.3.19 | ANA Assignment (Memory Block 3-43) | 3-35 |
| 3.3.20 | ISDN Trunk Directory Number Assignment (Memory Block 3-52) | 3-35 |
| 3.3.21 | Line Key Selection (Memory Block 3-53) | 3-36 |

| | | |
|--------|---|------|
| 3.3.22 | Trunk Type Selection (Memory Block 3-91) | 3-36 |
| 3.3.23 | Trunk (Installed, DP/DTMF) Selection (Memory Block 3-92) | 3-36 |
| 3.3.24 | CO/PBX Ring Assignment (Day Mode) (Memory Block 4-01) | 3-36 |
| 3.3.25 | CO/PBX Ring Assignment (Night Mode) (Memory Block 4-02) | 3-36 |
| 3.3.26 | Telephone to Tenant Assignment (Memory Block 4-09) | 3-36 |
| 3.3.27 | Line Key Selection for Telephone Mode (Memory Block 4-12) | 3-36 |
| 3.3.28 | Station to Call Appearance Block Assignment (Memory Block 4-43) | 3-37 |
| 3.3.29 | Multiline Terminal Type Selection (Memory Block 4-50) | 3-37 |
| 3.3.30 | PRT Channel Assignment (Memory Block 1-13-00) | 3-37 |
| 3.3.31 | Call by Call Service Selection (Memory Block 1-13-03) | 3-37 |
| 3.3.32 | Call by Call Type of Number Assignment (Memory Block 1-10-02) | 3-37 |
| 3.3.33 | Call by Call Numbering Plan ID Assignment (Memory Block 1-10-03) | 3-37 |
| 3.3.34 | Call by call Type of Network ID Assignment (Memory Block 1-10-00) | 3-37 |
| 3.3.35 | Call by Call ID Plan Assignment (Memory Block 1-10-01) | 3-38 |
| 3.3.36 | Call by Call Network ID Assignment (Memory Block 1-10-04) | 3-38 |
| 3.3.37 | Call by Call Facility Coding Value Assignment (Service) (Memory Block 1-10-05) | 3-38 |
| 3.3.38 | Call by Call Facility Coding Value Assignment (Feature) (Memory Block 1-10-06) | 3-38 |
| 3.3.39 | Call by Call Service Parameter Assignment (Memory Block 1-10-07) | 3-38 |
| 3.3.40 | Call by Call Max Digit Assignment (Memory Block 1-10-08) | 3-38 |
| 3.3.41 | Call by Call Simulated Facility Group Assignment (Memory Block 1-10-09) | 3-39 |
| 3.3.42 | Call by Call Outgoing SFG Assignment (Memory Block 1-10-20) | 3-39 |
| 3.3.43 | Call by Call Outgoing/Incoming SFG Assignment (Memory Block 1-10-21) | 3-39 |

| | | |
|------------------|---|-------------|
| 3.3.44 | Call by Call Incoming Type Selection (Memory Block 1-10-22) | 3-39 |
| 3.4 | Call by Call (CBC) Programming (LCR PC Software V2.0 or Higher) | 3-40 |
| 3.4.1 | The International/Operator Table | 3-40 |
| 3.4.2 | The OCC Table | 3-40 |
| 3.4.3 | Operator Call Time Out Table Example | 3-41 |
| 3.5 | Least Cost Routing (LCR) Programming | 3-42 |
| 3.6 | Operating Procedures Example | 3-42 |
| 3.7 | Dialing Examples | 3-44 |
| 3.7.1 | Dial 9 (Trunk access code) 1-212-752-5000 | 3-44 |
| 3.7.2 | Dial 9 (Trunk access code) 214-222-5000 | 3-45 |
| 3.7.3 | Dial 9-1-333-444-5000 | 3-46 |
| 3.7.4 | Dial 9-1-800-777-5000 | 3-46 |
| 3.7.5 | Dial 9-1-913-381-6000 | 3-47 |
| 3.7.6 | Dial 9-011-81 (Country Code)1-471-82-1111 | 3-47 |
| 3.7.7 | Outgoing Tie Line Service – Detour to Analog Trunk when Simulated Facility Group (SFG) Busy..... | 3-47 |
| 3.7.8 | Outgoing FX service – Dial 9-1 +500-222-3333 | 3-47 |
| 3.7.9 | Local Operator Call – Dial 9 +0 | 3-48 |
| 3.8 | Service Conditions | 3-48 |
| 3.9 | Call by Call (CBC) Termination Flowchart | 3-51 |
| Section 4 | HUB(8) VLAN and QoS Configuration | 3-52 |
| 4.1 | General | 3-52 |
| 4.2 | Memory Block Descriptions | 3-52 |
| 4.3 | Quality of Service Configuration with VLANs | 3-55 |
| 4.4 | Port Based Priority Example | 3-56 |

Appendix A Function Time Chart

| | | |
|------------------|-------------------------|------------|
| Section 1 | Time Chart | A-1 |
|------------------|-------------------------|------------|

Appendix B Character Codes

| | | |
|------------------|---|------------|
| Section 1 | Character Assignment | B-1 |
| 1.1 | Character Code Tables | B-1 |
| 1.2 | Dial Pad Character Assignment | B-4 |
| 1.2.1 | Trunk Name or Number Assignment Example | B-4 |
| 1.2.2 | Enter Speed Dial Name | B-5 |

Appendix C Display Abbreviations

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LIST OF FIGURES

| | | |
|------------|--|------|
| Figure 1-1 | Programming Flowchart | 1-2 |
| Figure 1-2 | Electra Elite IPK Multiline Terminal | 1-6 |
| Figure 1-3 | Page Display for 8-Key, and 16-Key Multiline Terminals | 1-10 |
| Figure 1-4 | Page Switching for Data Values | 1-11 |
| Figure 3-1 | Automatic Route Selection (ARS) System Data Flow | 3-20 |
| Figure 3-2 | Quality of Service Configuration | 3-55 |
| Figure 3-3 | Physical Layout and Default VLAN IDs | 3-58 |
| Figure 3-4 | VLAN Settings | 3-59 |
| Figure 3-5 | Port Priority Settings | 3-60 |

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LIST OF TABLES

| | | |
|-----------|---|-------|
| Table 1-1 | Programming Modes | 1-3 |
| Table 1-2 | Multiline Terminal Keys Used for Programming | 1-7 |
| Table 2-1 | Voice Mail AA-Info Settings | 2-258 |
| Table 2-2 | Card Interface Slot Assignment | 2-631 |
| Table 3-1 | Automatic Route Selection to Route Number Assignment | 3-21 |
| Table 3-2 | Route Number to Trunk Group/RAB Selection and Digit Control | 3-25 |
| Table 3-3 | Memory Block Data | 3-44 |
| Table A-1 | Function Time Chart | A-1 |
| Table B-1 | System Data Input | B-4 |
| Table B-2 | Speed Dial Name Input | B-5 |
| Table C-1 | Abbreviations used in Multiline Terminal Displays | C-1 |

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Multiline Terminal Programming

CHAPTER 1

SECTION 1 GENERAL INFORMATION

A stored program controls the Electra Elite IPK system. When the system is initially powered up, the CPU()-U() ETU scans all interface and AP slots to determine the hardware configuration. The system stores this information and the default values in the resident system program memory. After initially powering up the system, a trained technician can change the resident system program to meet the specific needs of an individual customer.

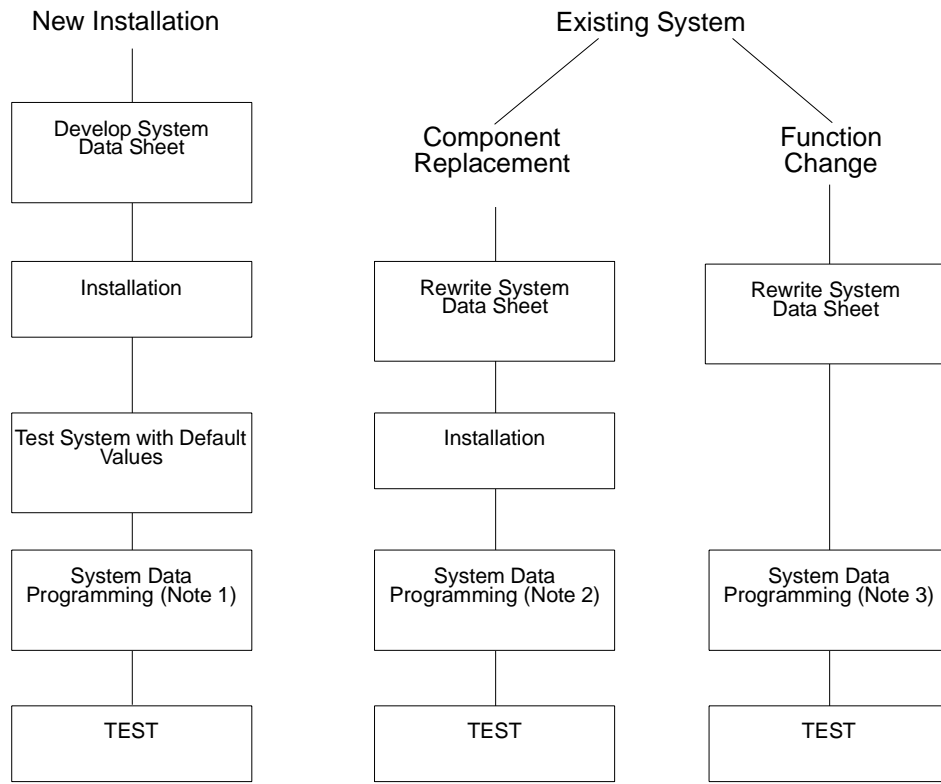
SECTION 2 PROGRAMMING THE SYSTEM



*The battery on the CPU **must be connected**. When the battery is not connected before programming begins, data may be lost when a power outage occurs.*

System data programming may be necessary when:

- the system is installed for the first time.
- components of an existing system are replaced.
- functions of an existing system are changed.



Note 1: For new installation, system default values are assigned when power is turned on. Program the system data to be changed only.

Note 2: For component replacement, program the relevant system data.

Note 3: For function change, program the system data to be revised.

Figure 1-1 Programming Flowchart

2.1 Features of Programming

The following features are provided with Multiline Programming:

- The system operates from default after initial power-up. Only the parameters that change must be programmed.
- System programming characters are displayed on the LCD of the Multiline Terminal.
- Several types of system programming can be entered at the same time.
- Data programmed for one telephone (e.g., Tenant Mode, or Telephone Mode) can be copied to another telephone.

- Two Multiline Terminals, connected to ports 01 and 02, respectively, can be used simultaneously for programming.

2.2 System Programming Modes

Modes and submodes are listed in [Table 1-1 Programming Modes](#).

Table 1-1 Programming Modes

| Line Key | Mode Name | Line Key | Submode Name |
|----------|------------------|----------|----------------------------------|
| LK 1 | System Mode | LK 1 | CO Line |
| | | LK 2 | ICM |
| | | LK 3 | SLT |
| | | LK 4 | Transfer/Automated Attendant |
| | | LK 5 | SMDR/LCR |
| | | LK 6 | DSS |
| | | LK 7 | ESP |
| | | LK 8 | PBR/Miscellaneous |
| | | LK 9 | DISA |
| | | LK 10 | Call by Call |
| | | LK 11 | DTI |
| | | LK 12 | ACD/UCD |
| | | LK 13 | PRI |
| | | LK 14 | ARS |
| | | LK 15 | K-CCIS |
| | | LK 16 | HUB |
| LK 2 | Tenant Mode | N/A | N/A |
| LK 3 | CO/PBX Line Mode | N/A | N/A |
| LK 4 | Telephone Mode | N/A | N/A |
| LK 5 | Trunk Group Mode | N/A | N/A |
| LK 6 | Copy Mode | LK 2 | Tenant Mode Copy Assignment |
| | | LK 3 | CO Line Mode Copy Assignment |
| | | LK 4 | Telephone Mode Copy Assignment |
| | | LK 5 | Trunk Group Mode Copy Assignment |
| LK 7 | ETU Mode | LK 1 | Card Interface Slot Assignment |
| | | LK 2 | Telephone Type Assignment |
| | | LK 3 | MIF Assignment |
| | | LK 4 | MIF (Caller ID) Assignment |

Table 1-1 Programming Modes (Continued)

| Line Key | Mode Name | Line Key | Submode Name |
|----------|--------------|----------|---------------------------------|
| LK 8 | Special Mode | LK 1 | ROM Version Confirmation |
| | | LK 2 | System Speed Dial Memory Clear |
| | | LK 3 | Station Speed Dial Memory Clear |
| | | LK 8 | Second Initialization |

2.3 Before Programming

The technician should check the ROM version and the port numbers before programming the system.

2.3.1 Check Points

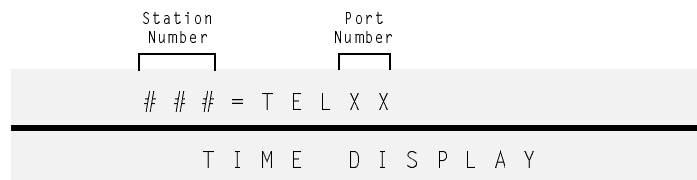
- Confirm the ROM Version

The available features depend on the ROM version. Refer to Memory Block 8-1 (ROM Version Confirmation), or from any idle Display Terminal, press **Feature** and **3 CH**.

- Confirm the Port Number

Port numbers are used for system programming. Refer to Memory Block 7-1 (Card Interface Slot Assignment).

To confirm station numbers press **Feature** and **4 CH**. The display indicates the station number and the port number.



2.3.2 Preliminary Points

- Select System Programming

Refer to [Section 2 Programming the System on page 1-1](#).

2.4 Writing System Data

After turning on power, the system data can be programmed using a Multiline Terminal connected to port 01 or port 02 (the Multiline Terminal must be idle). System programming can be performed while other Multiline Terminals in the system are in use. Some data is written into memory immediately after the programming process, but other data is not written until the stations or trunks are idle. When the data is not written until a station or trunk is idle, the station LCD displays DATA ENTRY, even after programming is complete, to indicate that system data entry is still in progress. When the in-use stations become idle, the data is written and the station LCD displays only the time.

The data programmed for applicable Memory Blocks is not written for the following conditions:

- When Multiline Terminals are in use:
 - ❑ Memory Block 2-01 (Trunk to Tenant Assignment)
 - ❑ Memory Block 2-05 (Line Key Selection)
 - ❑ Memory Block 2-07 (System Speed Dial Display Assignment)
 - ❑ Memory Block 4-09 (Telephone to Tenant Assignment)
- When the PBR is in use:
 - ❑ Memory Block 1-8-01 (SLT or Automated Attendant/DISA to CPU PBR Selection)
 - ❑ Memory Block 1-8-02 (PBR Receive Level Assignment for Automated Attendant/DISA)

2.5 Programming Methods

2.5.1 Initializing the System

Turn on the new Key Service Unit (KSU) power supply. After approximately 30 seconds, the system operates with the system default values.

2.5.2 Using the Multiline Terminal for Programming

System programming can be performed using a Display Multiline Terminal that is connected to station port 01 or 02.

[Figure 1-2 Electra Elite IPK Multiline Terminal](#) shows the terminal in the offline mode.

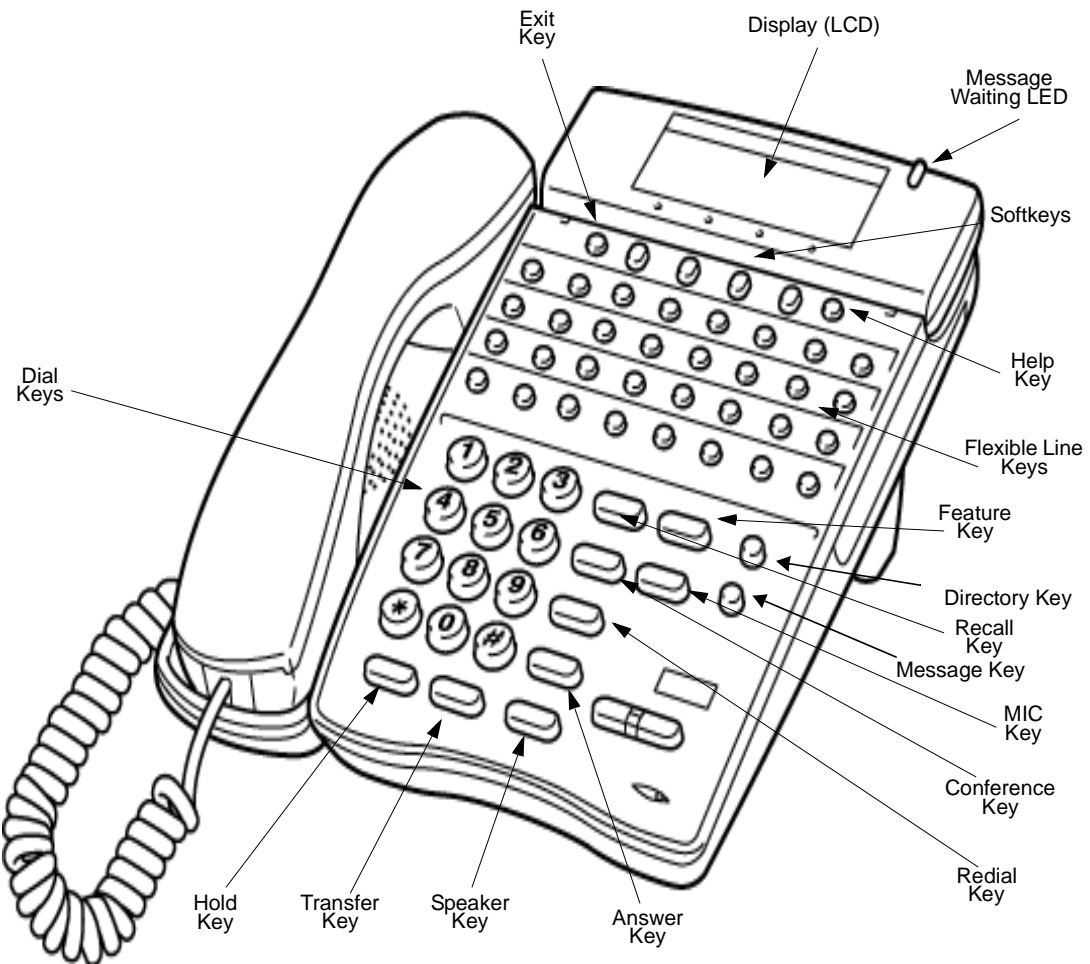


Figure 1-2 Electra Elite IPK Multiline Terminal

Table 1-2 Multiline Terminal Keys Used for Programming provides a list and description of the keys used during Multiline Terminal Programming.

Table 1-2 Multiline Terminal Keys Used for Programming

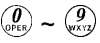



















| Key | Description |
|---|---|
|  | Used to enter data from the dial pad or to specify a Memory Block location. |
|  | Used to move the cursor to the left. The cursor moves one character space to the left each time  is pressed. |
|  | Used to move the cursor to the right. The cursor moves one character space to the right each time  is pressed. |
|  | Used to select another mode. Press  to switch modes as follows: <ul style="list-style-type: none">  Mode or submode selection: Returns to Program Mode.  Data No. Mode: Return to a mode or submode selection, or Program Mode (if no submode exists). |
|  | Each time the conference key is pressed, Memory Block item changes are as follows: <ul style="list-style-type: none">  Tenant Mode: The tenant number increments by one.  CO/PBX Line Mode: The CO/PBX line number increments by one.  Telephone Mode: The telephone port number increments by one.  Trunk Group Mode: The Trunk group number increments by one. |
|  | Future use. |
|  | Used to return to the previous page in system programming. |
|  | Future use. |
|  | Used to enter a pause in speed dial programming mode or to clear data in system programming mode. |
|  | Flexible Line keys are used to specify a mode or submode when selecting a Memory Block or to select programming data for input. |
|  | Used to proceed to the next page in system programming. |


Table 1-2 Multiline Terminal Keys Used for Programming

| Key | Description |
|---|--|
| <p style="text-align: center;">(Redial)</p> | <p>This key is used to enter a pause, hyphen, asterisk or pound. To enter an asterisk or pound:</p> <p style="text-align: center;">(Redial) + (*) = *</p> <p style="text-align: center;">(Redial) + (#) = #</p> <p style="text-align: center;">(Redial) + (1) = A</p> <p style="text-align: center;">(Redial) + (2_{ABC}) = B</p> <p style="text-align: center;">(Redial) + (3_{DEF}) = C</p> <p>The Message Waiting LED turns on and off after (*) or (#) is pressed.</p> |
| <p style="text-align: center;">(Speaker)</p> | <p>Used to exit the programming mode (go back on-line).</p> |
| <p style="text-align: center;">(Transfer)</p> | <p>Used to write (save) data. After entering data, press (Transfer); the data is written into memory. The next Memory Block is displayed.</p> |

2.5.3 Entering Programming Mode

The following digital Multiline Terminals can be used to program the system. Station ports 01 and 02 are automatically assigned as programming stations.

- DTP or DTH/DTR-8D-1 TEL
- DTU-8D-2 TEL
- DTP or DTH/DTR-16D-1 TEL
- DTU-16D-2 TEL
- DTP or DTH/DTR-32D-1 TEL
- DTU-32D-2 TEL

 Using the DTH-16LD -1 TEL to program is not recommended.

To enter programming mode, the station must be idle (on-hook). Perform the following procedure to go off-line.

1. Press (Feature) .
2. Press (Hold) .

3. Dial $\#$, 0_{OPEN} , and \ast in sequence. The Multiline Terminal LCD indicates program mode is now active.

```

P R O G R A M   M O D E
-----
T I M E   D I S P L A Y

```

While off-line, the programming terminal cannot be signaled by any system station. Off-line mode does not timeout.

2.5.4 Page Switching

In Memory Block 1-1-18 (System Speed Dial Restriction by Tenant) tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant number 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed on the right side of the display.

During system programming, a value (data) is assigned to each Flexible Line key. When the number of values exceeds the number of Flexible Line keys, value assignments are displayed on additional pages. The associated data can be entered on that page. The page number is displayed on the right side of the LCD.

[Figure 1-3 Page Display for 8-Key, and 16-Key Multiline Terminals](#) shows an example of CO/PBX line keys on each page and their corresponding tenant numbers. In all cases, each page is represented by eight line keys.

To navigate between pages, press Recall to access the **next** page, or press Feature to return to the **previous** page.

8-Key Multiline Terminal
DTU/DTP

Page 1

LCD Display:
01 to indicate Page 1
09 to indicate page 2

| | | | |
|-----------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 |
| 01 | 02 | 03 | 04 |
| LK 5 | LK 6 | LK 7 | LK 8 |
| 05 | 06 | 07 | 08 |

Page 2

| | | | |
|-----------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 |
| 09 | 10 | 11 | 12 |
| LK 5 | LK 6 | LK 7 | LK 8 |
| 13 | 14 | 15 | 16 |

8-Key Multiline Terminal
DTH/DTR

Page 1

LCD Display:
01 to indicate Page 1

| | | | | | | | |
|-----------|------|------|------|-----|-----|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK5 | LK6 | LK 7 | LK 8 |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2

| | | | | | | | |
|-----------|------|------|------|-----|-----|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK5 | LK6 | LK 7 | LK 8 |
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

16-Key Multiline Terminal
DTU/DTP

(Page 1)

LCD Display:
01 to indicate Page 1

| | | | |
|-----------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 |
| 01 | 02 | 03 | 04 |
| LK 5 | LK 6 | LK 7 | LK 8 |
| 05 | 06 | 07 | 08 |
| LK 9 | LK 10 | LK 11 | LK 12 |
| 09 | 10 | 11 | 12 |
| LK 13 | LK 14 | LK 15 | LK 16 |
| 13 | 14 | 15 | 16 |

(Page 2)

LCD Display:
09 to indicate Page 2

| | | | |
|-----------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 |
| 09 | 10 | 11 | 12 |
| LK 5 | LK 6 | LK 7 | LK 8 |
| 13 | 14 | 15 | 16 |
| LK 9 | LK 10 | LK 11 | LK 12 |
| 17 | 18 | 19 | 20 |
| LK 13 | LK 14 | LK 15 | LK 16 |
| 21 | 22 | 23 | 24 |

16-Key Multiline Terminal
DTH/DTR

(Page 1)

LCD Display:
01 to indicate Page 1

| | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK5 | LK6 | LK 7 | LK 8 |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |
| LK 09 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| 09 | 10 | 11 | 12 | 11 | 12 | 15 | 16 |

(Page 2)

LCD Display:
09 to indicate Page 2

| | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK5 | LK6 | LK 7 | LK 8 |
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Figure 1-3 Page Display for 8-Key, and 16-Key Multiline Terminals

Figure 1-4 Page Switching for Data Values is an example of 10 data values. Values are displayed on two pages.

16-Key Multiline Terminal
DTU/DTP

(Page 1)

| | | | |
|---------|---------|---------|---------|
| LK 1 | LK 2 | LK 3 | LK 4 |
| Data 01 | Data 02 | Data 03 | Data 04 |
| LK 5 | LK 6 | LK 7 | LK 8 |
| Data 05 | Data 06 | Data 07 | Data 08 |

LCD Display:
01 to indicate Page 1

(Page 2)

| | | | |
|---------|---------|-------|-------|
| LK 9 | LK 10 | LK 11 | LK 12 |
| Data 09 | Data 10 | | |
| LK 13 | LK 14 | LK 15 | LK 16 |
| | | | |

LCD Display:
09 to indicate Page 2

16-Key Multiline Terminal
DTH/DTR

| | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Data 01 | Data 02 | Data 03 | Data 04 | Data 05 | Data 06 | Data 07 | Data 08 |

| | | | | | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|
| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| Data 09 | Data 10 | | | | | | |

Figure 1-4 Page Switching for Data Values

2.5.5 Station Port Numbering Plan

Some Memory Blocks require entering a 2-digit port number. The Electra Elite IPK system supports 48/120 ports, respectively. Programming values for entry of Port Assignments are defined below:

| Port Assignments | Programming Value |
|-------------------------|--------------------------|
| 01~99 | 01~99 |
| 100~109 | A0~A9 |
| 110~119 | B0~B9 |
| 120 | C0 |

To enter an A, B, or C, press **Redial** and 1, 2, or 3.

SECTION 3 SYSTEM DATA LIST

The System Data List is a complete list of Memory Blocks that are available in the Electra Elite IPK system. The information is organized by mode, submode, and then numerically by Memory Block number. The Memory Block number and name, the default values, and programming values are provided for each Memory Block.

LK 1 System Mode

LK 1 CO Line

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|---|--|
| 00 | Pause Time Selection | 3.0s | 1.0s, 3.0s |
| 01 | DP Interdigit Time Selection | B | Pattern A or B |
| 02 | Hookflash Time Selection | 600ms | 20ms, 40ms, 60ms, 80ms, 100ms, 140ms, 160ms, 200ms, 400ms, 600ms, 800ms, 1.0s, 1.5s, 2.0s, 3.0s, 5.0s |
| 03 | Hold Recall Time Selection (Non-Exclusive Hold) | 25s (R2500 or lower) 60s (R3000 or higher) | 25s, 45s, 60s, 90s, 120s, 180s, 240s, ∞ (No Limit)(R2500 or lower) 000s (No Limit), 001s~255s (R3000 or higher) |
| 04 | Automatic Redial Time Selection | Table 1: 030 Table 2: 060 Table 3: 002 | Table 1: 001 ~ 050 sec. Table 2: 001 ~ 100 sec. Table 3: 001 ~ 015 times |
| 05 | Start Time Selection | 10s (R2500 or lower) 02s (R3000 or higher) | 2s, 10s, 20s, 30s, 40s, 50s, 60s, 70s (R2500 or lower) 00s (No Limit), 01s~99s (R3000 or higher) |
| 06 | CO/PBX Incoming Ringing Alarm Time Selection | ∞ (No Limit) (R2500 or lower) 000s (R3000 or higher) | 10s, 20s, 30s, ∞ (R2500 or lower) 000s (No Limit), 001s~255s (R3000 or higher) |
| 07 | Tie Line Delay Ringing Time Selection | ∞ (No Limit) (R2500 or lower) 000s (R3000 or higher) | 10s, 20s, 30s, ∞ (R2500 or lower) 000s (No Limit), 001s~255s (R3000 or higher) |
| 09 | Manual Pause Selection | NO | NO, YS |
| 11 | System Transfer/Camp-On Selection | YS | NO, YS |

LK 1 System Mode**LK 1 CO Line (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|---|
| 12 | Station Transfer/Camp-On Recall Time Selection | 45s (R2500 or lower) 060s (R3000 or higher) | 25s, 45s, 60s, 90s, 120s, 180s, 240s, ∞ (No Limit) (R2500 or lower) 000s (No Limit), 001s~999s (R3000 or higher) |
| 13 | CO Transfer Ring Pattern Selection | C | OFF, ON, A ~ H |
| 14 | CO Transfer Ring Tone Selection | A | A ~ H |
| 18 | System Speed Dial Restriction by Tenant | CO/PBX Line LED On | LED On: Not Restricted LED Off: Restricted |
| 20 | DID Digit Length Selection | 3 | 2, 3, or 4 |
| 21 | DID Digit Conversion Assignment | NO | NO, YES |
| 22 | DID Digit Conversion Table | T | T (Station or Closed Number) TN (Tenant) |
| 23 | DID Forward Station Number for Busy Station or Undefined Digit | NON | NON, T (TEL), TN (Tenant) |
| 24 | PBX/CTX Access Code Assignment I | 9- | Up to six digits (three numeric, three pauses) |
| 25 | PBX/CTX Access Code Assignment II | 8- | Up to six digits (three numeric, three pauses) |
| 27 | Automatic Day/Night Mode Switching Time Assignment | Not Specified | Day/Night Mode Time (24-hour clock) |
| 28 | Distinctive Ringing by Telephone or CO Selection | TEL | TEL, CO |
| 29 | Private Line Assignment | Not Specified | CO/PBX Line Number, Tel Port Number |
| 30 | Route Advance Block Assignment | All Blocks 00 (Not Set) | Priority of Trunk Group Number |
| 32 | Automatic Day/Night Mode by Day of Week Selection | CO/PBX Line LED Off Pattern 1 (Sunday ~ Saturday) | Pattern 1, Pattern 2 |
| 33 | Speed Dial Number/Name Display Selection | DIAL | DIAL, NAME |
| 34 | Tie Line First Ring Pattern Selection | PAT3 | PAT1, PAT2, PAT3, PAT4, ICM, VOICE |

LK 1 System Mode**LK 1 CO Line (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|--|--|
| 35 | Speed Dial Buffer Allocation | 100 | 100, 1,000 Memories |
| 37 | Trunk Queuing Timeout Selection | 10s (R2500 or lower) 10s (R3000 or higher) | 10s, 20s, 30s, 60s (R2500 or lower) 00s (No Limit), 01s~99s (R3000 or higher) |
| 46 | Access Code (1-Digit) Assignment | Refer to 1-1-46 Access Code (1-Digit) Assignment on page 2-51. | |
| 47 | Access Code (2-Digit) Assignment | Refer to 1-1-47 Access Code (2-Digit) Assignment on page 2-58. | |
| 48 | Access Code (3-Digit) Assignment | All Dial 000 (Not Used) | N/A |
| 49 | Networking Trunk Group/Route Advance Assignment | Not Specified | 101~132 (Trunk Group 01 ~ 32) or 201~216 (Route Advance Block 01 ~ 16) |
| 50 | CO/PBX Outgoing Digit Add Assignment | Not Specified | 10 digits max. |
| 51 | CO Line Ringing Pattern Selection | A26 | A ~ H, NO |
| 52 | PBX Line Ringing Pattern Selection | B | A ~ H, NO |
| 53 | Tie Line Delay Ring Pattern Selection | D | A ~ H, NO |
| 54 | Automated Attendant Transfer Ring Pattern | C | A ~ H, NO |
| 55 | DID Line Ringing Pattern Selection | A | A ~ H, NO |
| 57 | CO/PBX Prepause Time Selection | 1s | None, 1s~13s |
| 59 | Synchronous Ringing Selection | YS | YS, NO |
| 60 | 8-Digit Matching Table Assignment | Refer to 1-1-60 8-Digit Matching Table Assignment on page 2-78. | |
| 61 | 8-Digit Matching Table to Class Assignment | Refer to 1-1-61 8-Digit Matching Table to Class Assignment on page 2-80. | |
| 62 | System Speed Dial Override by Class Selection | YS | NO = No Override YS = Override |

LK 1 System Mode**LK 1 CO Line (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|--|
| 63 | Hold Recall Time Selection (Exclusive) | 1.0 (R2500 or lower) 060s (R3000 or higher) | In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, ∞ (No Limit) (R2500 or lower) 000s (No Limit), 001s~999s (R3000 or higher) |
| 65 | Code Restriction Class Allow/Deny Selection | Class 01 ~ 04 – YS Class 05 ~ 14 – NO | YS (Allow) NO (Deny) |
| 66 | 8-Digit Matching Table to Normal Dial Assignment | Tables 00 ~ 14 = Used (All CO/PBX Line LEDs On) Table 15 = Unused (CO/PBX Line LED Off) | N/A |
| 67 | OCC Table Assignment | Tables 00 ~ 15 = Blank Table 16 = 1010XXX | N/A |
| 68 | 8-Digit Matching Table to OCC Table Assignment | CO/PBX Line LED Off | Refer to 1-1-68 8-Digit Matching Table to OCC Table Assignment on page 2-88 . |
| 69 | Tie Line Code Restriction Assignment | YS | NO = No Restriction YS = Restriction |
| 70 | Code Restriction Class Assignment when Lockout is Set | 15 | Class 00 ~ 15 |
| 71 | First Delay Announcement Start Time Selection | 20 | In seconds: 00, 10, 20, 30, 40, 50, 60 |
| 72 | First Delay Announcement Repeat Selection | 1 | 1, 2, 3, 4, 5, 6, 7, 8 |
| 73 | First to Second Delay Announcement Interval Time Selection | 20 | In seconds: 00, 10, 20, 30, 40, 50, 60, ∞ (No Limit) |
| 74 | Second Delay Announcement Repeat Selection | 1 | 1~ 8 |
| 75 | Second Delay Announcement Repeat Interval Time Selection | 20 | In seconds: 00, 10, 20, 30, 40, 50, 60, ∞ (No Limit) |
| 76 | Barge-In Alert Tone Assignment | YS | YS = Send Alert Tone NO = Do not send Alert Tone |

LK 1 System Mode***LK 1 CO Line (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|--|
| 77 | Delayed Ringing Time Assignment (CO) | 15s | 00 ~ 99 sec. |
| 78 | Caller ID Display Assignment for System Mode | Not Specified | Up to 15 ports Tel Port No. = 01~ CO |
| 79 | BGM Port Assignment | 00 | 00 (Not Specified), 01~ 64 |
| 80 | ISDN DTMF Duration/Interdigit Selection | 100/70 | In milliseconds: 70/60, 100/70, 400/100, 600/100, 900/200 |
| 81 | ISDN / K-CCIS Interval Time Selection | 4s (R2500 or lower) 04s (R3000 or higher) | 2s, 4s, 8s, 16s, 32s (R2500 or lower) 01s~99s (R3000 or higher) |
| 82 | CO Feature Code Service for Code Restriction | Not Specified | 10 tables each with up to 10 digits |
| 86 | Call Monitoring Alert tone Assignment | YS | YS, NO |

LK 1 System Mode***LK 2 ICM***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|--|--|
| 00 | Internal Paging Timeout Selection | 90s (R2500 or lower) 090s (R3000 or higher) | 90s, 120s, ∞ (No Limit) (R2500 or lower) 000s (No Limit), 001s~255s (R3000 or higher) |
| 01 | Intercom Call Voice/Tone Signal Selection | VOICE | TONE VOICE |
| 02 | Automatic Callback Release Time Selection | 30m (R2500 or lower) 30m (R3000 or higher) | 30s, 1m, 2m, 3m, 5m, 10m, 20m, 30m(R2500 or lower) 00m (No Limit), 01m~99m (R3000 or higher) |
| 03 | 2~7-Digit Station Number Selection | 3DGT | 2DGT, 3DGT, 4DGT, 5DGT, 6DGT, 7DGT |
| 04 | Call Arrival Key Block Assignment | No CAR Blocks are Assigned | CAR Blocks: Port 01~CO - 4 ports per block |

LK 1 System Mode**LK 2 ICM (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|---|--|
| 08 | Specified Station Access Code Assignment | 00 = 01 01 ~ 23 Not Set | Tel. Port Number |
| 9~18 | Customized Message 1~10 Assignment | 09 = DND 10 = MEETING 11 = BUSINESS TRIP 12 = NOT IN 13 = WITH GUEST 14 = OUT OF OFFICE 15~18 = Not Specified | Maximum of 13 characters. Refer to Appendix B Character Codes, Section 1 Character Assignment on page B-1 for a list of characters. |
| 19 | Intercom Ring Pattern Selection | B | OFF, ON, A~H |
| 20 | Intercom Ring Tone Selection | A | A~H |
| 21 | PS Telephone Block Assignment | No CAR Blocks are Assigned | CAR Blocks: Port 01~C0 - 4 ports per block |
| 22 | Call Forward – No Answer Time Selection | 8s (R2500 or lower) 12s (R3000 or higher) | 4s, 8s, 12s, 18s, 24s, 30s, 60s (R2500 or lower) 01s~99s (R3000 or higher) |
| 23 | System Call Park Recall Time Selection | 1.0 (R2500 or lower) 060s(R3000 or higher) | In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, 10.0 (R2500 or lower) 001s~999s (R3000 or higher) |
| 24 | Intercom Feature Access Code Assignment | Refer to 1-2-24 Intercom Feature Access Code Assignment on page 2-126 . | |
| 25 | Internal Paging Alert Tone Selection | YS | YS (Tone provided) NO (No Tone) |
| 26 | Delayed Ringing Time Assignment (ICM) | 10s | 00~99 sec. |
| 30 | PS Out of Area Time Assignment | 08s | 00~99 sec. |
| 32 | IP Telephone Block Assignment | Off (No IP Phone Blocks Assigned) | Off ON (Green), IP Assigned On (Red), Block Not available |
| 33 | IP Telephone Block Assignment Allow/Deny Selection | YS (Allow) | YS (Allow), NO (Deny) |

LK 1 System Mode***LK 2 ICM (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|------------------------------------|-----------------------|---|
| 34 | Expanded Station Number Assignment | Blank (Not Specified) | 2, 3, or 4 Digits Blank (Not Specified) 5-Digit 1~8, one digit 6-Digit 10~89, two digits 7-Digit 100~899, three digits |

LK 1 System Mode***LK 3 SLT***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|---|--|
| 01 | Bounce Protect Time Selection | 300ms | Page 1: 0ms, 100ms, 200ms, 300ms, 400ms, 500ms, 600ms, 700ms Page 2: 800ms, 900ms, 1000ms, 1100ms, 1200ms, 1300ms, 1400ms, 1500ms |
| 02 | SLT Hookflash Signal Selection | HOLD | HOLD FLASH |
| 03 | First Digit PBR Release Time Selection | 10s (R2500 or lower) 10s (R3000 or higher) | 10s, 20s, 30s, 40s, 50s, 60s (R2500 or lower). 01s~99s (R3000 or higher) |
| 04 | Dial 1 (DP) Hookflash Selection | YS | YS, NO |
| 05 | Hookflash Start Time Selection | 290 | In milliseconds: 40, 90, 140, 190, 240, 290, 340, 390, 440, 490, 540, 590, 640, 690, 740, 790 |
| 06 | Hookflash End Time Selection | 07 (HST + 700 ms.) | Refer to 1-3-06 Hookflash End Time Selection on page 2-143. |
| 07 | Voice Mail Digit Add Assignment | Blank | Up to 4 digits |
| 08 | Voice Mail DTMF Delay Time Selection | 1s | 0s, 1s, 2s, 3s, 4s, 5s, 6s, 8s |
| 09 | Voice Mail Disconnect Time Selection | 1.5s | 0.5s, 1.0s, 1.5s, 2.0s, 3.0s, 3.5s |

LK 1 System Mode**LK 3 SLT (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------|---|
| 10 | Voice Mail DTMF Duration/Interdigit Time Selection | 110/80 | In milliseconds: 60/70, 110/80, 410/100, 610/100, 810/190 |
| 11 | SLT/PSII Talk Start timer | 10s | 01~99 sec |
| 12 | SLT/ISDN TELCO Account Codes Allow/Deny Selection | NO | NO, YES |

LK 1 System Mode**LK 4 Transfer/Automated Attendant (A.A.)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|---|
| 00 | Tandem Transfer Automatic Disconnect Time Selection | 060 | In minutes: 000~999 |
| 01 | Automated Attendant First Digit PBR Release Time Selection | 20s (R2500 or lower) 20s (R3000 or higher) | 5s, 10s, 20s, 30s, 40s, 50s, 60s (R2500 or lower) 01s~99s (R3000 or higher) |
| 02 | Automated Attendant Transfer Delayed Ringing Time Selection | ∞ (R2500 or lower) 00s (R3000 or higher) | In seconds: 10, 20, 30, ∞ (No Limit) (R2500 or lower) 00s (No Limit), 01~99s (R3000 or higher) |
| 03 | Automated Attendant No Answer Disconnect Time Selection | 2m (R2500 or lower) 120s (R3000 or higher) | 1m, 2m, 3m, 4m (R2500 or lower) 001s~255s (R3000 or higher) |
| 04 | Tandem Transfer SMDR Print Extension Assignment | 999 | 2-digit = 00~99 3-digit = 000~999 4-digit = 0000~9999 |
| 05 | Automatic Tandem Trunk by Night Mode Selection | NO | YS, NO |
| 08 | Automated Attendant PBR Timeout Response Selection | NORMAL | NORMAL, RELEAS |
| 09 | Automated Attendant PBR Start Time Selection | FR | FR = Same Time as Greeting AF = After Greeting |

LK 1 System Mode***LK 4 Transfer/Automated Attendant (A.A.) (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|--|
| 11 | Automated Attendant Message Day/Night Mode Selection | NO | YS, NO |
| 12 | Automated Attendant Message to Tenant Assignment | 00 | Tenant Number 00 to 47 |
| 13 | Automated Attendant Answer Delay Time Assignment | 04s | 00~99s, per MSG 1~8 |
| 14 | Automated Attendant Message Access Code (1-Digit) Assignment | Refer to 1-4-14 Automated Attendant Message Access Code (1-Digit) Assignment on page 2-166. | |
| 15 | Automated Attendant Message Access Code (2-Digit) Assignment | Refer to 1-4-14 Automated Attendant Message Access Code (1-Digit) Assignment on page 2-166. | |
| 16 | Automated Attendant Message Repeat Selection | 1 All messages | 1, 2, 3, 4, 5, 6, 7, 8 |
| 17 | Automated Attendant Delay Announcement Hold Tone Selection | RBT | RBT, MOH |
| 18 | Automated Attendant Delay Announcement Assignment | NONE (Not specified) | None, MSG1, MSG2, MSG3, MSG4, MSG5, MSG6, MSG7, MSG8 |
| 19 | Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection | 4m | 0s, 10s, 20s, 30s, 1m, 2m, 3m, 4m, 5m, 10m, 20m. |
| 20 | Automated Attendant Delay Announcement Disconnect Time Selection | 30s | 0s, 10s, 20s, 30s, 1m, 2m, 3m, 4m, 5m, 10m, 20m |
| 21 | Automated Attendant Extension Number Assignment | Not Specified | 2-digit (10~89), 3-digit (100~899), or 4-digit (1000~8999) extension numbers Messages 1~8 |
| 22 | Automated Attendant Direct Extension Ring Assignment | Not Specified | 2-digit (10~89), 3-digit (100~899), or 4-digit (1000~8999) extension numbers Messages 1~8 |

LK 1 System Mode***LK 5 SMDR/LCR***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------|------------------------------------|
| 02 | SMDR Print Format | ALL | ALL, MSK |
| 13 | Printer Connected Selection | NO | NO, PC(Future), YS |
| 14 | Printer Line Feed Control Selection | YS | YS, NO |
| 25 | SMDR Valid Call Time Assignment | 040s | 000~990s (in 10-second increments) |
| 26 | SMDR Incoming/Outgoing Print Selection | OUT | ALL, OUT, INC |

LK 1 System Mode***LK 6 DSS***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|-------------------------------------|
| 01 | Attendant Add-On Console to Telephone Port Assignment | Refer to 1-6-01 Attendant Add-On Console to Telephone Port Assignment on page 2-183 . | |
| 03 | DSS Call Voice/Tone Signal Selection | VOICE | TONE, VOICE |
| 05 | Attendant Add-On Console Key Selection | Refer to 1-6-05 Attendant Add-On Console Key Selection on page 2-185 . | |
| 07 | Message Board Lamp Assignment | NON | NON (Not assigned) MSG (message) |
| 08 | Attendant Transfer Selection During Live Record | YS | NO, YS |

LK 1 System Mode***LK 7 ESP***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|--|--|
| 00 | Doorphone Assignment | No default | LK1~LK4 Assigns DPH1~DPH4 Yes or No |
| 01 | Doorphone Display Time Selection | 10s (R2500 or lower) 10s (R3000 or higher) | 10s, 30s, 60s, 90s (R2500 or lower) 01s~99s (R3000 or higher) |
| 02 | External Speaker Connection Selection | All Speakers (A~C) On | ESP A, ESP B, ESP C |
| 03 | External Paging Alert Tone Selection | YS | YS, NO |
| 04 | Doorphone Ring Pattern Selection | DPH1~4 ON | OFF, ON, A~H |
| 05 | Doorphone Ringing Frequency Selection | C | A~H |
| 06 | External Paging Timeout Selection | 5.0 (R2500 or lower) 300s (R3000 or higher) | In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, ∞ (No Limit) (R2500 or lower) 000s (No Limit), 001s~999s (R3000 or higher) |
| 07 | External Ring Relay Pattern Selection | PT3 | Refer to 1-7-07 External Ring Relay Pattern Selection on page 2-202. |
| 08 | External Speaker Chime Selection | PRT | PRT (Normal paging tone before Page) C-S (Chime Start Only) C-B (Chime Start/End) |
| 09 | External Speaker Chime Start Time Selection | 700 | In milliseconds: 000, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500 |

LK 1 System Mode**LK 8 PBR/Miscellaneous**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|--|
| 01 | SLT or Automated Attendant/DISA to CPU PBR Selection | LK1 and LK2 Off | Off = Single Line Telephone On = Automated Attendant/DISA |
| 02 | PBR Receive Level Assignment for Automated Attendant/DISA | 03 (-36.0 dBm) | Refer to 1-8-02 PBR Receive Level Assignment for Automated Attendant/DISA on page 2-208. |
| 04 | Time Display (12h/24h) Selection | 12 | 12, 24 |
| 07 | Class of Service (Attendant) Feature Selection 1 | Refer to 1-8-07 Class of Service (Attendant) Feature Selection 1 on page 2-211. | |
| 08 | Class of Service (Station) Feature Selection 2 | Refer to 1-8-08 Class of Service (Station) Feature Selection 2 on page 2-214. | |
| 09 | Music on Hold Pattern Selection | A | Medley A or B |
| 10 | PBR Interdigit Release Time Selection | 7s | 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s |
| 11 | System Refresh Time Assignment | 4H | NON, 4H, 8H, 12H, 24H |
| 12 | VRS Message Recording Time Selection | 15s x16 | Time and number of messages: 15s x 16, 30s x 8, 60s x 4, 120s x 2 |
| 13 | VRS Message Function Assignment | Refer to 1-8-13 VRS Message Function Assignment on page 2-225. | |
| 15 | Tone Assignment | A | Refer to 1-8-15 Tone Assignment on page 2-227. |
| 16 | Voice Prompt to Tone Assignment | PR1 | Refer to 1-8-16 Voice Prompt to Tone Assignment on page 2-230. |
| 17 | PC Programming Password Assignment | Class 1, 2 All Blank | N/A |
| 18 | Site Name Assignment | Not Assigned | N/A |
| 25 | ACD/UCD Group Agent Assignment | Not Specified | Agent Station Number and ACD/UCD Group Number |

LK 1 System Mode**LK 8 PBR/Miscellaneous (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|--|
| 26 | Voice Mail Quick Transfer Master Hunt Number | 000 | Station numbers: 2-digit 10-89 3-digit 100-899 4-digit 1000-8999 5-digit 10000-89999 6-digit 100000-899999 7-digit 1000000-8999999 |
| 27 | Forced Account Code Length Assignment | 10DGT | 1~13 Digits |
| 29 | SCD (Simplified Call Distribution) Pilot Number Assignment | Not Assigned | Pilot Number for up to four Groups |
| 30 | SCD Group Agent Assignment | Not Assigned | 1~4 Digits |
| 31 | Hold Tone Source Assignment | INT | INT, EXT |
| 32 | Hold Internal Tone Volume Selection | 0dB | 0dB, -6dB |
| 33 | Master Clock Selection | Cabinet 0 (Master System) | Cabinet: 0,1~3 Slot: 1~8 |
| 35 | COM Port Baud Rate Setting Assignment | COM 1 = 38.4 COM 2 = 4.8 COM 3 = 9.6 | 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 38.4 Kbps |
| 36 | COM Port Parity/Stop Bit Setting Assignment | NON/1 | NON/1, NON/2, EVEN/1, ODD/1 |
| 37 | General Purpose Relay Assignment | NO | NO, YES |
| 38 | Modem Number for Remote Programming Assignment | Not Assigned | Any Unused Extension Number (1~4 digits) |
| 40 | ACD Hunt Time | 10s | 10s, 20s, 30s, 60s, 120s, 240s, ∞ (No Limit). |
| 43 | Enhanced 911 Trunk Assignment | LK1, CO/PBX No. | CO/PBX trunks 01~64 / Trunk Group/ Route Advance Block |
| 44 | Enhanced 911 Alternate Route Assignment | No Alternate Route | No Alternate Route 101~132 for Trunk Group 01~32 201~216 for Route Advance Block 01~16 |

LK 1 System Mode***LK 8 PBR/Miscellaneous (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|--|
| 45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) | 101 | No Alternate Route 101~132 for Trunk Group 01~32 201~216 for Route Advance Block 01~16 |
| 46 | Enhanced 911 Dialing Digit Assignment | 911 | 1, 11, 911, 9911 |
| 47 | Call Arrival Key Voice Mail Message Notification Assignment | Not Specified | 2-digit (10~89), 3-digit (100~899), or 4-digit (1000~8999) CARs |
| 48 | Automatic Daylight Saving Time Selection | YS | YS, NO |
| 49 | New AA-Info Yes/No Selection | YS | YS, NO |

LK 1 System Mode***LK 9 DISA***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|---|-------------------------------------|
| 00 | DISA ID Code Assignment | Refer to 1-9-00 DISA ID Code Assignment on page 2-261 . | |
| 02 | DISA Password Effect/Invalid Selection | YS | NO (Invalid), YS (Password effects) |

LK 1 System Mode***LK 10 Call by Call***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|--|
| 00 | Call by Call Type of Network ID Assignment | All RABs 2 | 0,1 Not Used) 2 National Network Identification 3~7 Not Used |
| 01 | Call by Call ID Plan Assignment | All RABs 01 | 00 Not Used) 01 Interexchange Carrier Code 02~15 Not Used |
| 02 | Call by Call Type of Number Assignment | All RABs 0 | 0 Unknown 1 International 2 National 3 Network Specific 4 Subscriber or Local 5~7 Not Used |
| 03 | Call by Call Numbering Plan ID Assignment | All RABs 00 | 00 Unknown 01 ISDN/Telephony Numbering Plan) 02 Not Used 3 Future Data Numbering Plan 04~08 Not Used 09 Private Numbering Plan 10~15 Not Used |
| 04 | Call by Call Network ID Assignment | All RABs Unspecified | Three or four-digit Call by Call Network ID |
| 05 | Call by Call Facility Coding Value Assignment (Service) | All RABs 00 | 00 Non-CBC RAB, None 01 5ESS SDN 02 5ESS MEGACOMBO800 03 5ESS MEGACOM 06 5ESS ACCUNE) 08 5ESS International 800 16 5ESS AT&T MultiQuest 900 Service 17 NI-2 INWATS 18 NI-2 OUTWATS 19 NI-2 FX 20 NI-2 Tie Trunk 01 DMS100 Private 02 DMS100 INWATS 03 DMS100 OUTWATS 04 DMS100 FX 05 DMS100 Tie Trunk |

LK 1 System Mode**LK 10 Call by Call (Continued)**

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|--|
| 06 | Call by Call Facility Coding Value Assignment (Feature) | All RABs 00 | 00 Non-CBC RAB, None 05 5ESS Local Exchange 06 5ESS default-Common Carrier |
| 07 | Call by Call Service Parameter Assignment | All RABs 0 - 000 | 0 (0 or 1) - 000 (000~127) |
| 08 | Call by Call Max Digit Assignment | All RABs 00 | 00 (No Limit) ~ 24 |
| 09 | Call by Call Simulated Facility Group Assignment | All RABs 00 | 00 (None)~16 |
| 20 | Call by Call Outgoing SFG Assignment | 99 | 01~16 For Electra Elite 48 (Default 16), 01~64 For Electra Elite 192 (Default 64) 99 Default for all SFGs |
| 21 | Call by Call Outgoing/Incoming SFG Assignment | 99 | 01~16 For Electra Elite 48 (Default 16), 01~64 For Electra Elite 192 (Default 64) 99 Default for all SFGs |
| 22 | Call by Call Incoming Type Selection | DID | CO, DID |

LK 1 System Mode***LK 11 DTI***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|-------------------------------------|---|--|
| 00 | T1 Signal Format Selection | 24 | 12 (Superframe), 24 (Extended Superframe) |
| 01 | Clear Channel Selection | ZCS | ZCS, B8ZS |
| 02 | Line Length Selection | 1 | Refer to 1-11-02 Line Length Selection on page 2-291 . |
| 03 | IP K-CCIS Selection | NO | YS, NO |
| 05 | T1 Channel Selection | Refer to 1-11-05 T1 Channel Selection on page 2-294 . | |
| 06 | Signaling Selection | LS | LS, GS |
| 07 | DTI Trunk Type Assignment | CO | CO, E&M, DID, ANI |
| 08 | Digits Delete for T1 ANI Assignment | 2DGT | 0 (No delete), 1~9 |

LK 1 System Mode***LK 12 ACD/UCD***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|---|
| 00 | ACD/UCD Group Pilot Number Assignment | Not Specified | Any Unused Extension Number |
| 01 | ACD/UCD Group Overflow Destination Assignment | Not Specified | Any Unused Extension Number |
| 02 | ACD/UCD Overflow Time Selection | 60s | In seconds: ∞, 10s, 20s, 30s, 60s, 120s, 180s, 240s |

LK 1 System Mode***LK 13 PRT***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|---------------------------|
| 00 | PRT Channel Assignment | 24 | 0, 4, 8, 12, 16, 20, 24 |
| 01 | PRT Signal Format Selection | 24 | 12 (SF), 24 (ESF) |
| 02 | Clear Channel Selection | B8ZS | ZCS, B8ZS |
| 03 | Call by Call Service Selection | NO | YES, NO |
| 04 | PRT B Channel Outgoing Priority Selection | H → L | H → L, L → H |
| 05 | PRT B Channel-to-Trunk Group Assignment | 00 (Any Trunk Group) | 00, 01~32 Trunk Groups |

LK 1 System Mode***LK 14 ARS***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------|--|
| 00 | ARS Allow/Deny Selection | NO | NO, YES |
| 01 | ARS Dialing Assignment | None | Tables 1~4. |
| 02 | ARS Dial Allow/Deny Selection | YES | YES, NO |
| 03 | ARS Route Table Number Assignment | 00 | Table 1~4, Dial No. 01~C8, Route 01~32 |
| 04 | ARS Trunk Group to Route Number Assignment | NORMAL | NORMAL, TKGP 01~32, RAB 01~16ARS, or ICM |
| 05 | ARS Digit Delete Assignment | 00 | Route No. 01~32, No. of Digits 00~10 |
| 06 | ARS Add Assignment | Not Specified | Route No. 01~32, Additional dialing digits |
| 07 | ARS Max Digit Assignment | 24 | 01~99 Digits |

LK 1 System Mode***LK 15 K-CCIS***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--------------------------|---|
| 00 | K-CCIS Main/Remote Office Selection | NONE | NONE, MAIN, REMOTE |
| 01 | Common Signal Channel Data Speed Assignment | 56k | 64k, 56k, 48k(1), 48k(2) |
| 02 | Common Signal Channel Assignment | 00 | Any DTI Trunk |
| 03 | Originating Point Code Assignment | Blank | Point Code Range: 00001~16367 |
| 04 | Destination Point Code Assignment | Blank | Point Code Range: 00001~16367 |
| 05 | Destination Point Code Transfer Assignment | Blank | Point Code Range: 00001~16367 T001~T255 can be assigned. |
| 06 | Originating Office code Number Assignment | Blank | Valid Range: 0~99999 |
| 07 | K-CCIS Message Response Timeout Assignment | 30 sec | Valid Times: 01~99 Seconds |
| 08 | Link Reconnect Allow/Deny Selection | YS | NO, YS |
| 09 | K-CCIS Maximum Call Forwarding Hop Assignment | 5 | 1~7 |
| 10 | Calling Name display Allow/Deny Selection | NO | NO, YS |
| 11 | Centralized Billing Allow/Deny Selection | NO (Deny) | NO (Deny), YS (Allow) |
| 12 | Centralized Billing – Point Code of Center Office Assignment | Blank | Point Code Range: 00001~16367 |
| 13 | Centralized Day/Night Switching for Remote Office Assignment | NO (Deny) | NO (Deny), YS (Allow) |
| 14 | Centralized Day/Night Switching for Main Office Assignment | All Tables Not Specified | Table Range: 01~16 Point Code Range: 00001~16367 |
| 15 | Centralized BLF Send Point Code Assignment | All Tables Not Specified | Group No. 1~8 Point Code Range: 00001~16367 |

LK 1 System Mode***LK 15 K-CCIS (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|--------------------------|--|
| 16 | Centralized BLF Send Extension Number Assignment | All Tables Not Specified | Table Range: 001~120 3-digit Extension numbers 100~899 4-digit Extension numbers 1000~8999 |
| 17 | Centralized BLF Send Time Assignment | 04s | 04s, 08s, 12s, 16s |
| 18 | Centralized BLF Receive Extension Number Assignment | All Tables Not Specified | Table Range: 001~120 3-digit Extension numbers 100~899 4-digit Extension numbers 1000~8999 |
| 19 | Centralized 911 Allow/Deny Selection | NO (Deny) | NO (Deny), YS (Allow) |
| 20 | Centralized 911 Originating Number Selection | STA. (Station No.) | STA. (Station No.), CESID (CES-ID) |
| 21 | Centralized 911 Look Ahead Routing Allow/Deny Selection | NO (Deny) | NO (Deny), YS (Allow) |

LK 1 System Mode***LK 16 HUB***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--------------------------------------|----------------------|-----------------------------------|
| 00 | Auto Negotiation Yes/No Selection | YS (Enable) | YS, NO |
| 01 | Port Speed Selection – 10/100 Base-T | 100 (100 Base-TX) | 10 (10 Base-T), 100 (100 Base-TX) |
| 02 | Port Duplex Mode Selection | HALF | HALF, FULL |
| 03 | MDI/MDIX Mode Selection | AUTO | MDIX, MDI, AUTO |
| 04 | VLAN Mode Selection | NO (Disable) | NO, YS (Enable) |
| 05 | Default VLAN ID Assignment | 0001 (0x001 Hex) | 0001~4095 (0x001~0xff Hex) |
| 06 | Port Based Priority Selection | NO (Not Assigned) | NO, LO (Low), HI (High) |
| 07 | High Priority RX Tag Assignment | 7 | (Lowest) 0~7 (Highest) |

LK 1 System Mode***LK 16 HUB (Continued)***

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------|---------------------------------------|
| 08 | High Priority TX Tag Assignment | 7 | (Lowest) 0~7 (Highest) |
| 09 | Low Priority TX Tag Assignment | 0 | (Lowest) 0~7 (Highest) |
| 10 | Port Mirroring Selection | NO (Normal) | NO, YES (Mirror) |
| 11 | Mirroring Source Port Assignment | Port 1 | Port range: 1~8 |
| 12 | Mirroring Target Port Assignment | Port 1 | Port range: 1~8 |
| 13 | VLAN Group to VLAN ID Assignment | 0000 | ID Range: 0001~4095 (0x001~0xfff Hex) |
| 14 | VLAN Group and Port Selection | YES | NO, YES |
| 15 | VLAN Tag Insertion Selection | NO | NO, YES |
| 16 | Flow Control for Full Duplex Selection | NO | NO, YES |
| 17 | Back Pressure for Half Duplex | NO | NO, YES |

LK 2 Tenant Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--------------------------------------|--|---|
| 01 | Trunk to Tenant Assignment | Refer to 2-01 Trunk to Tenant Assignment on page 2-415 . | |
| 05 | Line Key Selection | TEL | TEL (Telephone Mode) TNAT (Tenant-Wide Mode) |
| 06 | Line Key Selection for Tenant Mode | Refer to 2-06 Line Key Selection for Tenant Mode on page 2-418 . | |
| 07 | System Speed Dial Display Assignment | CO/PBX Line LED On All Speed Dial Confirmation Allowed | On (Assigned) Off (Not Assigned) |
| 08 | ECR Relay to Tenant Assignment | All Tenants - No Assignment | N/A |
| 09 | DID Limit to Tenant Assignment | 00 | 00 (no limit), 01~64 Incoming Calls |

LK 3 CO/PBX Line Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------|--|
| 00 | Trunk Name/Number Assignment | Not Specified | Maximum of 13 digits (numbers, hyphens, and spaces) |
| 02 | Trunk Status Selection | OUT&IN | OUT&IN, IN |
| 03 | Trunk-to-Trunk Group Assignment | 01 | Refer to 3-03 Trunk-to-Trunk Group Assignment on page 2-427 . |
| 04 | Trunk-to-Trunk Transfer Yes/No Selection | NO | NO, YES |
| 05 | Trunk Incoming Answer Mode Selection | NO ASSIGN | NO ASSIGN, TANDM TRF, AA |
| 06 | Automatic Tandem Trunk Assignment | Not Specified | CO 01~64 |
| 07 | CO/PBX Ringing Variation Selection | M | M, L, H |
| 11 | CO External Source Selection | CO | CO, EXT SOURCE |
| 12 | Trunk-to-MOH Trunk Assignment | 00 | 01~64 CO/PBX |
| 14 | Tie Line Type Assignment | 2ND DIAL | 2ND DIAL, IMMEDIATE, DELAY, WINK |
| 15 | Trunk DTMF Duration/Interdigit Selection | 110 /80 | Duration / Interdigit Time in milliseconds: 60/70, 60/80, 110/80, 160/80, 210/80, 410/100, 610/100, 810/190 |
| 16 | Tie Line Prepause Time Selection | 0 | In seconds: 0, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0,13.0 |
| 17 | Tie Line Answer Detect Time Selection | 520 | In milliseconds: 0, 130, 260, 390, 520, 650, 780, 910, 1040, 1170, 1300, 1430, 1560, 1690, 1820, 1950 |
| 18 | Tie Line Release Detect Time Selection | 520 | In milliseconds: 0, 130, 260, 390, 520, 650, 780, 910, 1040, 1170, 1300, 1430, 1560, 1690, 1820, 1950 |

LK 3 CO/PBX Line Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|----------------------|--|
| 19 | Tie Line/CO/PBX Incoming Signal Detect Time Selection | 03 | Refer to 3-19 Tie Line/CO/PBX Incoming Signal Detect Time Selection on page 2-444. |
| 20 | Tie Line Loop Off-Guard Time Selection | 2.0 | In seconds: 0.0, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0 |
| 21 | Tie Line Length of Wink Signal Selection | 180 | In milliseconds: 30, 60, 90, 120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480 |
| 22 | Tie Line Length of Delay Signal Selection | 300 | In milliseconds: 0, 300, 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, 3000, 3300, 3600, 3900, 4200, 4500 |
| 24 | Tie Line Incoming Interdigit Timeout Selection | 6s | 1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s, 11s, 12s, 13s, 14s, 15s, ∞ (No Limit) |
| 25 | Tie Line Wink/Delay Signal Detect Timeout Selection | 7s | 1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s, 11s, 12s, 13s, 14s, 15s, ∞ (No Limit) |
| 27 | Tie Line Dial Tone Selection | YS | YS, NO |
| 28 | Tie Line Reorder Tone Selection | YS | YS (Send) NO (Do Not Send) |
| 29 | Trunk Internal Transmit Pad Selection | 8 | In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0 |
| 30 | Trunk Internal Receive Pad Selection | 8 | In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0 |
| 31 | Trunk External Transmit Pad Selection | 0 | In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0 |
| 32 | Trunk External Receive Pad Selection | 0 | In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0 |
| 33 | Disconnect Recognition Time Selection | 0.3 | In seconds: 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5 |
| 38 | Automated Attendant Message to Trunk Selection | 1 | Message 1~8 to CO 01~64 |

LK 3 CO/PBX Line Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|---|
| 40 | Automatic Release Signal Detection Selection | 350 | In milliseconds: 0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, ∞ (No Limit) |
| 41 | Delay Announcement Assignment | NN | Refer to 3-41 Delay Announcement Assignment on page 2-470. |
| 42 | DIT Assignment | No Assignment | 2~7 digit Station numbers |
| 43 | ANA Assignment | No Assignment | 2~7 digit Station numbers |
| 44 | Caller ID Display Assignment for CO/PBX Line | Not Specified | N/A |
| 45 | Live Record Trunk Selection | NO | NO = No Live Recording YS = Live Recording |
| 50 | ISDN Line SPID Assignment | Not Specified | Up to 20 digits |
| 52 | ISDN Trunk Directory Number Assignment | Not Specified | Up to 20 digits |
| 53 | Caller Name Indication Selection | NUM | NO, NUM, NAM, TRK |
| 59 | Automated Attendant Function Selection | NORMAL | NORMAL, DELAY |
| 61 | DIT/ANA Delay Answer Time Selection | 0s (R2500 or lower) 00s (R3000 or higher) | 0s, 5s, 10s, 20s, 30s, 40s, 50s, 60s (R2500 or lower) 00 (No Time), 01~99s (R3000 or higher) |
| 62 | DIT Tenant Assignment | 00 | 00~47 |
| 63 | DIT Weekend Mode Selection | YS | YS, NO |
| 64 | DIT Night Mode Delay Answer Selection | NO | NO, YS |
| 65 | Hold Tone Automated Attendant Selection | NONE | NONE, MSG 1~MSG 8 |
| 67 | CO/PBX Ringing Pattern Selection | None | None, Pattern A~Pattern H |
| 69 | 911 – Cut Through Trunk Selection | NO | NO, YES |
| 70 | CIC Number Assignment | 000 (Not Specified) | CIC Range: 001~127 |

LK 3 CO/PBX Line Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--------------------------------------|----------------------|-----------------------------------|
| 73 | CO Message Waiting Yes/No Selection | NO | NO, YES |
| 90 | Polarity Reverse Selection | NO | NO, YS |
| 91 | Trunk Type Selection | CO | CO, PBX, TIE, DID, CTX (Assume-9) |
| 92 | Trunk (Installed, DP/DTMF) Selection | MF | NIL, DP 10 pps, DP 20 pps, MF |

LK 4 Telephone Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|---|
| 01 | CO/PBX Ring Assignment (Day Mode) | Refer to 4-01 CO/PBX Ring Assignment (Day Mode) on page 2-501. | No Ring, Immediate Ring, Delayed Ring |
| 02 | CO/PBX Ring Assignment (Night Mode) | Refer to 4-02 CO/PBX Ring Assignment (Night Mode) on page 2-503. | No Ring, Immediate Ring, Delayed Ring |
| 03 | Doorphone Chime Assignment (Day Mode) | Station Port 01 and 02 Chime for All Four Doorphones). | DPH1, DPH2, DPH3, DPH4 Station Port 01~120 Chime per Doorphone |
| 04 | Doorphone Chime Assignment (Night Mode) | Station Port 01 and 02 Chime (All Line Key LEDs on) | DPH1, DPH2, DPH3, DPH4 Station Port 01~120 Chime per Doorphone |
| 07 | Code Restriction Class Assignment (Day Mode) | 00 (All Stations) | Class 00~15 per Station |
| 08 | Code Restriction Class Assignment (Night Mode) | 00 (All Stations) | Class 00~15 per Station |

LK 4 Telephone Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|----------------------------|---|
| 09 | Telephone to Tenant Assignment | 00 (All Tenant Telephones) | Tenant Number |
| 10 | Station Number Assignment | 100 | Refer to 4-10 Station Number Assignment on page 2-513. |
| 11 | Ringing Line Preference Selection | YS | NO, YS |
| 12 | Line Key Selection for Telephone Mode | CO | Refer to 4-12 Line Key Selection for Telephone Mode on page 2-517. |
| 13 | CO/PBX Busy Forward Station Assignment | Not Specified | N/A |
| 14 | Intercom Master Hunt Number Selection | NO | NO, YS |
| 15 | Intercom Master Hunt Number Forward Assignment | No Telephones Specified | Station Number (2~7 digits) |
| 17 | Station to Class of Service Feature Assignment | 00 | Refer to 4-17 Station to Class of Service Feature Assignment on page 2-526. |
| 18 | Station Name Assignment | Not Specified | Up to six digits /characters (R3500 or lower) Up to 16 digits /characters (R4000/ R4500 or higher) |
| 19 | Trunk Outgoing Restriction | LEDs Off | Off = Not Restricted On = Restricted |
| 23 | Prime Line/Hot Line Assignment | Not Specified | Up to 10 digits |
| 24 | SLT Hookflash Assignment | HOLD | HOLD, DISC |
| 26 | DISA ID Number Station Assignment | 01 | Refer to 4-26 DISA ID Number Station Assignment on page 2-536. |
| 28 | Multilingual LCD Indication Selection | ENG | JAPA, FREN, ENG, SPAN |
| 29 | HFU Selection | NO | NO, YS |
| 30 | Hold/Transfer Recall Display Selection | YS | YS, NO |
| 31 | Receiving Internal/All Call Page Selection | YS | YS, NO |

LK 4 Telephone Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|---|
| 32 | Trunk Digit Restriction | 00 (No Limit) | 00~99 |
| 35 | Voice Mail/SLT Selection | NO | NO, YS |
| 36 | Voice Prompt Selection | NO | NO, YS |
| 37 | Extension Line Key Ring Assignment (Day Mode) | All LEDs Off | LED Off (No Ring) Green LED (Immediate Ring) Red LED (Delayed Ring, Extension Line Key) |
| 38 | Extension Line Key Ring Assignment (Night Mode) | All LEDs Off | LED Off (No Ring) Green LED (Immediate Ring) Red LED (Delayed Ring, Extension LK) |
| 39 | APR Ring Mode Assignment | STA | NON, STA, ALL |
| 40 | LCR Class Selection | 0 | Class 0~4 |
| 41 | SIE/CAR Ringing Line Preference Selection | YS | NO, YS |
| 42 | Call Forward – Busy Immediately/ Delay Selection | YS | NO, YS |
| 43 | Station to Call Appearance Block Assignment | All Stations Assigned Call Appearance Block 00 | Call Appearance Block 00~47 |
| 44 | Caller ID Preset Dial Outgoing CO Selection | Not Specified | N/A |
| 46 | Live Record Auto Delete Selection | NO | YS, NO |
| 47 | ISDN Directory Number Selection | YES | YES, NO |
| 49 | Caller ID Display for CAR Key Assignment | 00 (Not Specified) | Refer to the Memory Block Description. |
| 50 | Multiline Terminal Type Selection | 16 | 16, 24, or 24A |
| 51 | Off-Hook Ringing Selection | YS | YS, NO |
| 52 | CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode) | YS | NO, YS |

LK 4 Telephone Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---|---|---|
| 53 | CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode) | YS | NO, YS |
| 54 | Enhanced 911 CESID to Station Table Assignment | Not Specified | 7 or 10 digits plus up to 5-digit extension |
| 55 | CO/PBX Telephone Ringing Pattern Selection | None | None, Pattern A~Pattern H |
| 56 | SMDR Telephone Print Selection | YS | YS, NO |
| 57 | CO Line Ringing Pattern Priority Selection | CO | CO, TEL |
| 58 | Automated Attendant Selection for DID | NON | NON, AA1~AA8 |
| 59 | APR/APA Hookflash Selection | NO | NO, YS |
| 62 | ISDN-PRI Directory Number Selection | None | Calling Party Number (CPN) |
| 64 | Code Restriction Class (without Authorization Code) Day Mode Assignment | All Stations Class 15 | Setting Data 00~15 |
| 65 | Code Restriction Class (without Authorization Code) Night Mode Assignment | All Stations Class 15 | Setting Data 00~15 |
| 66 | MOH or Ring Back Tone Selection | MOH | MOH, RBT |
| 67 | IP Station Number Assignment | Blank | 10~89, 100~899, 1000~8999 |
| 68 | LCD Line Key – Name Assignment | LK01~08:CO01~08 | Name: Up to 8 characters |
| 69 | CO Message Waiting Indication Assignment | Not Assigned | Line keys 1~24 Tel Port No. 01~CO |
| 71 | Station to Timer Class of Service | Tel Ports 1 and 2 in Class 1. All other ports in Class 2. | Tel Ports 01~CO Class 1~4 |
| 90 | SLT Data Line Security Assignment | NORMAL | NORMAL, DATA |
| 91 | Telephone Ringing Variation Selection | M | M, L, H |
| 92 | Receiving Volume Selection | DOWN | DOWN, UP |

LK 4 Telephone Mode (Continued)

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--------------------------------|----------------------|---------------------------|
| 93 | Internal Zone Paging Selection | NO | No, A, B, C |
| 94 | 3-Minute Alarm Selection | NO | NO, YS |
| 95 | DTMF/DP SLT Type Selection | MF | DP, MF |

LK 5 Trunk Group Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--|--|---|
| 00 | Digit Add/Del for Tie Line Networking Assignment | 000 (No Add or Delete) | Delete up to two digits Add up to two digits |
| 01 | Tie Line Networking Tandem Connection Assignment | All Trunk Groups CO/PBX Line LEDs On | On = Enable Off = Disable |
| 02 | 8-Digit Matching Table to Trunk Group Assignment | Enabled CO/PBX Line LEDs On | On = Enable Off = Disable |
| 03 | OCC Table to Trunk Group Assignment | CO/PBX Line LEDs On Use All Tables | On = Enable Off = Disable |
| 04 | LCR Class to Trunk Group Selection | 0 | 0~4 |
| 05 | Common Signaling Channel Route Selection | 0 (Not Assigned) | CCH Range: 1~4 |
| 06 | Trunk Group Outgoing Priority Selection | H → L | H → L, L → H |

LK 6 Copy Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|----------------------------------|----------------------|---------------------------|
| 2 | Tenant Mode Copy Assignment | N/A | N/A |
| 3 | CO Line Mode Copy Assignment | N/A | N/A |
| 4 | Telephone Mode Copy Assignment | N/A | N/A |
| 5 | Trunk Group Mode Copy Assignment | N/A | N/A |

LK 7 ETU Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|--------------------------------|--|--|
| 1 | Card Interface Slot Assignment | Refer to 7-1 Card Interface Slot Assignment on page 2-627. | |
| 2 | Telephone Type Assignment | TEL | NON, TEL, DSS CONSOL, SLT ADP, DIGITAL VM, MSG BOARD |
| 3-00 | MIF (ACD) Assignment | 00 (No Assignment) | N/A |
| 3-01 | MIF (LCR) Assignment | 00 (No Assignment) | N/A |
| 3-02 | MIF (SMDR) Assignment | 00 (No Assignment) | N/A |
| 3-03 | MIF (UCD) Assignment | 00 (No Assignment) | N/A |
| 3-04 | MIF (Caller ID) Assignment | 00 (No Function) | N/A |

LK 8 Special Mode

| Data No. | Memory Block Name | Default Value | Programming Values |
|-----------------|---------------------------------|----------------------|---------------------------|
| 1 | ROM Version Confirmation | N/A | N/A |
| 2 | System Speed Dial Memory Clear | N/A | N/A |
| 3 | Station Speed Dial Memory Clear | N/A | N/A |
| 8 | Second Initialization | N/A | N/A |
| | Clock/Calendar Setting | N/A | N/A |

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Memory Blocks

CHAPTER 2

SECTION 1 PROGRAMMING SYSTEM DATA USING THE MEMORY BLOCK

This section provides detailed instructions for programming individual Memory Blocks. The Memory Blocks are listed numerically. For each Memory Block, the following information is provided.

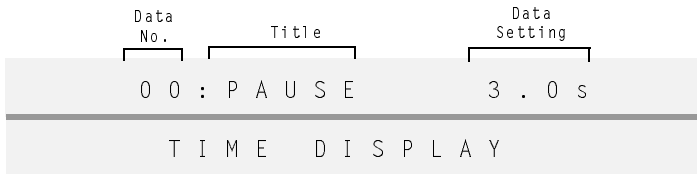
- **General Description** is a brief explanation of the function of the Memory Block.
- **Display** indicates the default information displayed in the Multiline Terminal LCD during programming.
- **Settings** (when applicable) indicates the information that is entered using the line keys on the Multiline Terminal.
- **Programming Procedures** contains detailed procedures to program each Memory Block.
- **Related Programming** (when applicable) contains a list of associated Memory Blocks that may need to be programmed.
- **Notes** contains additional information related to programming the Memory Block.

1-1-00 *Pause Time Selection*

General Description

Use this Memory Block to specify the pause time that can be inserted between digits dialed on CO/PBX and Tie lines.

Display



System Mode
1

Submode
1

Data No.
00

PC Programming
Alt + BCM

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1.0s | 3.0s | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------------|
| 1-1-09 | Manual Pause Selection |
| 1-1-24 | PBX/CTX Access Code Assignment I |
| 1-1-25 | PBX/CTX Access Code Assignment II |
| 3-91 | Trunk Type Selection |

Notes

1. A pause is automatically inserted following a CO/PBX Access Code (e.g., 9) by programming CO/PBX lines as PBX in Memory Block 3-91 (Trunk Type Selection) and 1-1-24/25 (PBX/CTX Access Code Assignment I/II).
2. Manual pauses can be stored for use when dialing outside lines by the Last Number Redial or Save/Store and Repeat features using Memory Block 1-1-09 (Manual Pause Selection).
3. Pauses can be stored as part of System and Station Speed Dial buffers when needed.

1-1-01 DP Interdigit Time Selection

General Description

The DP Interdigit Time is the minimum pause time between Dial Pulses. Use this Memory Block to Select Pattern A or Pattern B.

Display

| Data No. | Title | Data Setting |
|--------------|----------|--------------|
| 01 | DP INTER | B |
| TIME DISPLAY | | |

System Mode

1

Submode

1

Data No.

01

PC Programming



Alt + BCM

Settings

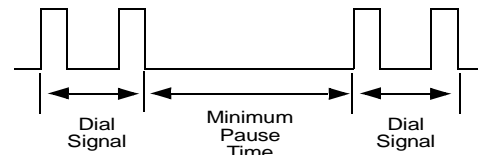
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| A | B | | | | | | |



The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

| DP Dial | 10 pps | 20 pps |
|-----------|---------|---------|
| Pattern A | 650 ms. | 500 ms. |
| Pattern B | 800 ms. | 800 ms. |



- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 3-92 | Trunk (Installed, DP/DTMF) Selection |



Notes



Use this Memory Block when DP Tie lines or DID are assigned in Memory Block 3-92 [Trunk (Installed, DP/DTMF) Selection] to send Dial Pulse signaling.

1-1-02 Hookflash Time Selection

General Description

Use this Memory Block to specify the loop open time for a hookflash signal sent to the CO or PBX when the Recall key on a Multiline Terminal is pressed. A Single Line Telephone (SLT) generates a hookflash to the CO or PBX line when a Single Line Telephone hookflash is assigned.

Display

| Data No. | Title | Data Setting | Page No. |
|-----------------------|-------|--------------|----------|
| 02 | FLSH | 600ms | 2 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
1

Data No.
02

PC Programming
Alt + BCM

Settings

Page 1








| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|-------|-------|-------|-------|
| 20ms | 40ms | 60ms | 80ms | 100ms | 140ms | 160ms | 200ms |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|-------|-------|------|------|------|------|------|
| 400ms | 600ms | 800ms | 1.0s | 1.5s | 2.0s | 3.0s | 5.0s |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 -  Use the following to enter data:
 -  to go to the next page
 -  to go to the previous page
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|----------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-3-02 | SLT Hookflash Signal Selection |
| 4-24 | SLT Hookflash Assignment |

**Notes**

1. A 1- or 2-digit Access Code can be assigned in Memory Block 1-1-46/47 [Access Code (1- or 2-Digit) Assignment] for Single Line Telephones to send a hookflash signal on a CO/PBX line (default: 6 #).
2. A hookflash from a Single Line Telephone puts an existing call on hold or sends a hookflash signal on the CO/PBX line.

1-1-03 *Hold Recall Time Selection (Non-Exclusive Hold)*

| | |
|----------------|-----------------|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 03 |
| PC Programming | Alt + BM |

General Description

Use this Memory Block to specify the Hold time for a Non-Exclusive outside call before a recall tone is generated. When No Limit is selected, the hold recall alarm tone is not generated.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 25s | 45s | 60s | 90s | 120s | 180s | 240s | ∞ (No Limit) |

The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK1 + **0** **3** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|-------------|-----------------|--------------|
| 03 | H L D R C L | 1 | = 060s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~255s (e.g., 045s = 45s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 060s
000s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-63 | Hold Recall Time Selection (Exclusive) |
| 1-2-23 | System Call Park Recall Time Selection |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. Calls put on Exclusive Hold, recall using the data selected in Memory Block 1-1-63 [Hold Recall Time Selection (Exclusive)].
2. Calls placed on hold on Call Appearance keys, recall using this Memory Block.
3. Calls parked in System Call Park locations recall using Memory Block 1-2-23 (System Call Park Recall Time Selection).
4. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
5. When a system is upgraded from **R2500 or lower**, the Hold Recall Time Selection is reset to the default value during the upgrade process (**R3000 or higher**).

1-1-04 Automatic Redial Time Selection

System Mode
1

Submode
1

Data No.
04

PC Programming
Alt + BM



General Description

When a called party is busy, the station user dials an Access Code and restores the handset. Use this Memory Block to define the redial timing parameters when automatic redial is set to a busy CO/PBX number. After the specified number of call attempts with no answer, the system stops dialing.


Display


| Data No. | Title | Table 1~3 | Setting Data |
|-----------------------|-------------------|-----------|--------------|
| 04 | R E D I A L (1) | | 0 3 0 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Table 1.

 Use the following to enter data:

 to move the cursor left

 to move the cursor right




 Setting Data (Allowed):

Table 1 (Calling Time): 001~050 sec.

Table 2 (Call Waiting Time): 001~100 sec.

Table 3 (Call Attempts): 001~015 times

000 cannot be entered.

- 4 Press  to write the data and display the next table.
- 5 Repeat Steps 3 and 4 for each remaining table. After pressing  for Table 3, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values

| Table No. | Description | Value |
|-----------|-------------------|-------|
| 1 | Calling Time | 030 |
| 2 | Call Waiting Time | 060 |
| 3 | Call Attempts | 002 |

Notes

1. Definitions:

Calling Time: The time that the system automatically calls the busy CO/PBX number. After the programmed time limit is reached, the call is abandoned.

Call Waiting Time: The time the system waits between call attempts.

Call Attempts: The number of times the system redials the busy CO/PBX number.

2. When Call Pickup groups are assigned using Memory Block 4-09 (Telephone to Tenant Assignment), the CO lines must be assigned to the same Tenant group in Memory Block 2-01 (Trunk to Tenant Assignment) for this feature to work.

1-1-05 *Start Time Selection*

General Description

Use this Memory Block to specify the time after dialing before the system starts the Elapsed Call Time. Used for copper trunks only. Not supported by digital trunks.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)





| Data No. | Title | Setting Data |
|--------------|--------------|--------------|
| 05 | : CALL START | 10s |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 10s | 20s | 30s | 40s | 50s | 60s | 70s | 2s |

The shaded selection is the default.

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
1





Data No.
05

PC Programming
 **+BM**

Display (R3000 or higher)

| Data No. | Title | Timer Class 1-4 | Setting Data |
|-----------------------|-------------|-----------------|--------------|
| 05 | : S T A R T | 1 | = 0 2 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
00s-99s (e.g., 02s = 2s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values

Class 1-4 = 02s
00s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-5-25 | SMDR Valid Call Time Assignment |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. This time is used for the features with functions described below:
 - Elapsed Call Time:* The time after dialing before the Elapsed Call Time is started and displayed on a Multiline Terminal.
 - SMDR Start Time:* The time needed after dialing before the SMDR Valid Call Time is started. Refer to Memory Block 1-5-25 (SMDR Valid Call Time Assignment). For outgoing calls, both Elapsed Call Time and SMDR Valid Call Time must elapse before a call record is generated.
2. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
3. When a system is upgraded from **R2500 or lower**, the Start Time Selection is reset to the default value during the upgrade process (**R3000 or higher**).
4. For copper trunks only. Not supported on digital trunks.

1-1-06 CO/PBX Incoming Ringing Alarm Time Selection

General Description

Use this Memory Block to specify the time between when a CO/PBX call is detected and the ringing tone changes to a higher pitch when the call is not answered. When No Limit is selected, the ringing tone does not change.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)





| Data No. | Title | Setting Data |
|-----------------------|---------------|--------------|
| 06 | R I N G A L M | ∞ |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|-----------------|------|------|------|------|
| 10s | 20s | 30s | ∞ (No Limit) | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

System Mode

1

Submode

1

Data No.

06

PC Programming





 **+BM**

Display (R3000 or higher)

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 06 | RING ALM | 000s |
| TIME DISPLAY | | |

Display

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~255s (e.g., 020s = 20s)
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

000s
000s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-1-07 | Tie Line Delay Ringing Time Selection |
| 3-07 | CO/PBX Ringing Variation Selection |
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |
| 4-91 | Telephone Ringing Variation Selection |



Notes



1. Memory Blocks 4-01 and 4-02 [CO/PBX Ring Assignment (Day Mode/Night Mode)] must be set to ring.
2. CO/PBX lines assigned for DIT/ANA do not activate this feature.
3. Tie/DID lines assigned for Delayed Ringing follow this assignment after the delayed ringing starts.
4. This feature uses the same ringing tone (Low, Medium, High) that is selected in Memory Blocks 3-07 (CO/PBX Ringing Variation Selection) and 4-91 (Telephone Ringing Variation Selection). When High is selected in these Memory Blocks, this feature does not function.
5. Select ∞ (No Limit) to disable this feature.
6. When a system is upgraded from **R2500 or lower**, the Start Time Selection is reset to the default value during the upgrade process (**R3000 or higher**).

1-1-07 Tie Line Delay Ringing Time Selection

System Mode
1

Submode
1

Data No.
07

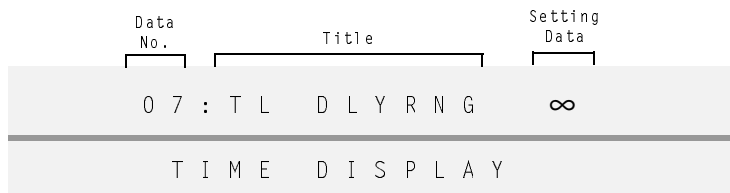
PC Programming
Alt +ALM

General Description

Use this Memory Block to specify the time before a Tie line call ringing at a station can begin ringing at other preassigned stations when it is not answered in a programmed time. CO/PBX Ringing Assignment defines the preassigned station.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|-----------------|------|------|------|------|
| 10s | 20s | 30s | ∞ (No Limit) | | | | |

The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|-----------|-----------------|--------------|
| 07 | T L D L Y | 1 | = 0 0 0 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~255s (e.g., 020s = 20s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
 Class 1~4 = 000s
 000s = No Limit

Related Programming

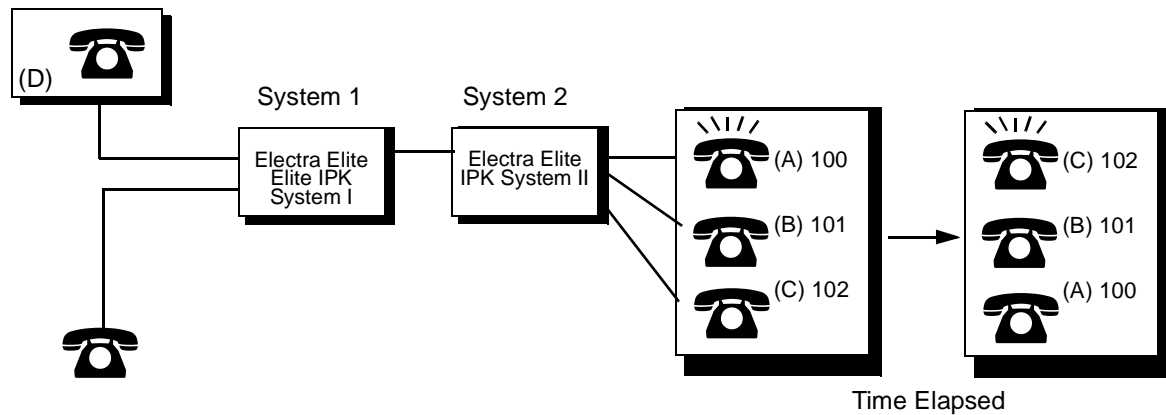
| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-34 | Tie Line First Ring Pattern Selection |
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |
| 4-12 | Line Key Selection for Telephone Mode |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |



Notes



Example:



In this example, systems 1 and 2 are connected. Stations A (extension 100) and C (extension 102) are assigned to ring on the Tie line using Memory Blocks 4-01 and 4-02 [CO/PBX Ring Assignment (Day/Night) Mode].

1. To speak to station user A, station user D dials extension 100.
2. In the example at station A:
 - The ICM LED blinks, and a ring tone that is different from the normal ringing tone is heard.
 - The call can be answered by lifting the handset.
 - Stations B and C users cannot press the line key on the Multiline Terminals to answer the call.
3. In the example, when station user A does not answer in the specified time:
 - The ringing tone changes to the normal tone and station C starts ringing.
 - Any station (A, B, or C) user can press the flashing line key to answer the call.
4. After the timeout, the system uses the Day and Night Ringing Assignment and rings the assigned station.
5. Select ∞ (No Limit) to disable this feature.
6. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
7. When a system is upgraded from **R2500 or lower**, the Start Time Selection is reset to the default value during the upgrade process (**R3000 or higher**).

1-1-09 Manual Pause Selection

General Description

Use this Memory Block to specify either YS (Pause Insertion) or NO (Last Number Dialed/Speed Dial) to be executed using the Redial key when it is pressed after one or more digits of a dialed number are entered.

Display

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 09 | MAN PAUSE | NO |
| TIME DISPLAY | | |

System Mode
1

Submode
1

Data No.
09





PC Programming
Alt+BTS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------|
| 1-1-00 | Pause Time Selection |

**Notes**

1. When a user seizes a CO/PBX line and dials **907 4000 +** **Redial** **+ 12345** with this Memory Block set to NO, the system interprets the sequence as:
9074000XXX345 (XXX = **Redial** and 12 is interpreted as Speed Dial buffer 12).
2. When a user seizes a CO/PBX line and dials **907 4000 +** **Redial** **+ 12345** with this Memory Block set to YS, the system interprets the sequence as:
9074000XXX12345 (XXX = is interpreted as a pause).
3. The pause is inserted when Last Number Redial, Save and Repeat, or Store and Repeat is used to redial the number.
4. When this feature is allowed, Multiline Terminal users cannot use consecutive Speed Dial using **Redial**.

1-1-11 System Transfer/Camp-On Selection

General Description

Use this Memory Block system-wide to select whether or not the station user can press the Transfer key to perform a Ring Transfer or Station Camp-On.

Display

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 11 | RING TRF | YS |
| TIME DISPLAY | | |

System Mode
1

Submode
1

Data No.
11

PC Programming
 +BTS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-12 | Station Transfer/Camp-On Recall Time Selection |



Notes



Transfers or camp-ons from Attendant Add-On Consoles are also affected using this Memory Block.

1-1-12 Station Transfer/Camp-On Recall Time Selection

General Description

Use this Memory Block to specify the time before a Ring Transfer or Station Camp-On from a station (without an Attendant Add-On Console) recalls back to the originating station when the call is not answered.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)





| Data No. | Title | Data Setting |
|-----------------------|-----------------|--------------|
| 1 2 | : T R F R E C L | 4 5 s |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 25s | 45s | 60s | 90s | 120s | 180s | 240s | ∞ (No Limit) |

The shaded selection is the default.

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
1





Data No.
12

PC Programming
 **+BM**

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|-------------|-----------------|--------------|
| 1 2 | T R F R C L | 1 | = 0 6 0 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~999s (e.g., 020s = 20s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 060s
000s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-11 | System Transfer/Camp-On Selection |
| 1-6-01 | Attendant Add-On Console to Telephone Port Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |



Notes



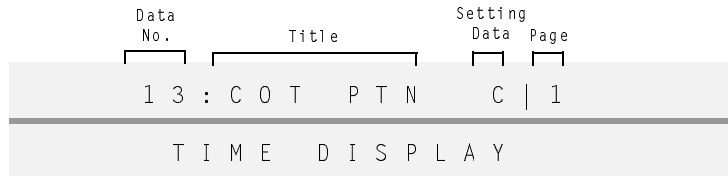
1. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
2. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Station Transfer/Camp-On Recall Time Selection is reset to the default during the upgrade process.

1-1-13 CO Transfer Ring Pattern Selection

General Description

Use this Memory Block to select a Ring Pattern for CO transfers.

Display



Settings

(Page 1)

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| OFF | ON | A | B | C | D | E | F |

(Page 2)

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| G | H | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + $\text{\textcircled{1}}$ $\text{\textcircled{3}_{OFF}}$ to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - $\text{\textcircled{R}}$ to access the next page
 - $\text{\textcircled{F}}$ to access the previous page
- Press $\text{\textcircled{T}}$ to write the data and display the next Memory Block.
- Program the next Memory Block or press $\text{\textcircled{S}}$ to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------------|
| 1-1-11 | System Transfer/Camp-On Selection |
| 1-1-14 | CO Transfer Ring Tone Selection |

System Mode
1

Submode
1

Data No.
13

PC Programming
Alt + BCS

The Ring Patterns are shown in the table below:

s= seconds

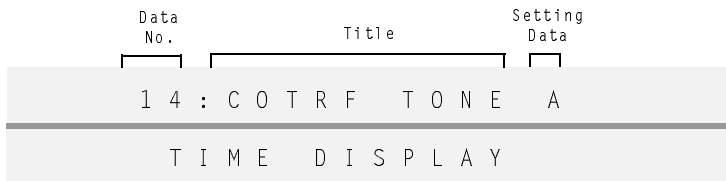
| Pattern | Line Key | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|----------|--------------|----|----|----|----|----|----|----|
| Tone Off | LK 1 | | | | | | | |
| Tone On | LK 2 | | | | | | | |
| A | LK 3 | | | | | | | |
| B | LK 4 | | | | | | | |
| C | LK 5 | | | | | | | |
| D | LK 6 | | | | | | | |
| E | LK 7 | | | | | | | |
| F | LK 8 | | | | | | | |
| G | LK 1 (Pg. 2) | | | | | | | |
| H | LK 2 (Pg. 2) | | | | | | | |

1-1-14 CO Transfer Ring Tone Selection

General Description

Use this Memory Block to select a ring tone for CO transfers.

Display



System Mode
1

Submode
1

Data No.
14

PC Programming
Alt + BCS

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

The available tones are:

| Tone | Frequency |
|--------|--------------------------------|
| Tone A | 480/600 (Modulation - 16 Hz) |
| Tone B | 480/606 (Modulation - 8 Hz) |
| Tone C | 1024/1285 |
| Tone D | 1024 |
| Tone E | 500 |
| Tone F | 1024/1285 (Modulation - 16 Hz) |
| Tone G | 600/700 (Modulation - 16 Hz) |
| Tone H | 1024 (Envelope - 2 sec.) |

- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming


| M.B. Number | Memory Block Name |
|-------------|------------------------------------|
| 1-1-11 | System Transfer/Camp-On Selection |
| 1-1-13 | CO Transfer Ring Pattern Selection |

1-1-18 System Speed Dial Restriction by Tenant

System Mode
1

Submode
1

Data No.
18

PC Programming
 **+AC**

General Description

Use this Memory Block to specify whether or not System Speed Dial is restricted for each tenant.

Display

| Data No. | Title | Speed Dial Buffer No. | Starting Tenant No. |
|-----------------------|---------------|-----------------------|---------------------|
| 18 | SPEED (O X) | | 00 |
| T I M E D I S P L A Y | | | |

Settings

Page 1 Tenants 00-07

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |

Page 2 – Tenants 08-15

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |

Page 3 – Tenants 16-23

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

Page 4 – Tenants 24-31

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

Page 5 – Tenants 32-39



| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |

Page 6 – Tenants 40-47

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |

Six pages provide access to the Tenant Numbers. Tenant Numbers 00-47 correspond to the line keys listed in the table to the left. None are restricted.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.

Programming Procedures

- 3 Press the corresponding CO/PBX line key to change the tenant number. Speed Dial buffers have the nine groups listed in the table below.

Default Values

All System Speed Dial buffers can be dialed from any tenant.

| Speed Dial Buffer No. | Speed Dial Number | |
|-----------------------|-------------------|------------|
| | 80 Codes | 1000 Codes |
| 0X | 00~09 | 000~099 |
| 1X | 10~19 | 100~199 |
| ⋮ | ⋮ | ⋮ |
| 6X | 60~69 | 600~699 |
| 7X | 70~79 | 700~799 |
| 8X | N/A | 800~899 |

X = 0~9



Use the following to enter data:

- ⌘ to move the cursor left
- # to move the cursor right
- 0 ~ 9 to enter numeric data
- Recall to move to the next page
- Feature to move to the previous page

Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

| CO/PBX Line LED | Off | On |
|-----------------|------------|----------------|
| Data | Restricted | Not Restricted |

The shaded area indicates the default setting.

- 4 Enter all pages for the selected buffer, and press **Transfer** to write the data and display the next Speed Dial Buffer No.
- 5 After entering data for the last Speed Dial Buffer No., press **Transfer** to write that data, and the next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-33 | Speed Dial Number/Name Display Selection |
| 1-1-35 | Speed Dial Buffer Allocation |
| 2-01 | Trunk to Tenant Assignment |
| 4-09 | Telephone to Tenant Assignment |

**Notes**

1. One or more tenants can be enabled to use each group.
2. Use this Memory Block to assign which tenants use each group.
3. When speed dial is set to 1000, 900~999 cannot be restricted.
4. The X in each Speed Dial Buffer No. is displayed even when it is not entered.
5. Tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant numbers 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed under Starting Tenant No. In all cases, each page has eight line keys.

1-1-20 DID Digit Length Selection

General Description

Use this Memory Block to define the number of Direct Inward Dialing (DID) digits in Memory Block 1-1-22 (DID Digit Conversion Table).

Display

| Data No. | Title | Setting Data |
|-----------------------|-------------|--------------|
| 20 | D I D D G T | 3 |
| T I M E D I S P L A Y | | |

| | |
|----------------|-----------------|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 20 |
| PC Programming | Alt +ALN |

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + **2** **0** to access the Memory Block.
- Enter the data using the dial pad.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data
 - Hold** to clear all data
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

3 (Setting Data 2, 3, or 4)

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-21 | DID Digit Conversion Assignment |
| 1-1-22 | DID Digit Conversion Table |
| 1-1-23 | DID Forward Station Number for Busy Station or Undefined Digit |
| 5-00 | Digit Add/Del For Tie Line Networking Assignment |

1-1-21 DID Digit Conversion Assignment

System Mode
1

Submode
1

Data No.
21

PC Programming
Alt +ALN

General Description

Use this Memory Block to enable the DID Digit Conversion Table, Memory Block 1-1-22 (DID Digit Conversion Table), for each number.

Display





| | | |
|-------------------------|----------------------|-----------------------------|
| <small>Data No.</small> | <small>Title</small> | <small>Setting Data</small> |
| 21 | : DID CNV | NO |
| TIME DISPLAY | | |

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

NO

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-20 | DID Digit Length Selection |
| 1-1-22 | DID Digit Conversion Table |
| 1-1-23 | DID Forward Station Number for Busy Station or Undefined Digit |
| 5-00 | Digit Add/Del For Tie Line Networking Assignment |



Notes



1. When NO is assigned, only Memory Block 5-00 has an impact on incoming DID numbers.
2. When YS is assigned, each incoming DID number can be modified.

1-1-22 DID Digit Conversion Table

System Mode
1

Submode
1

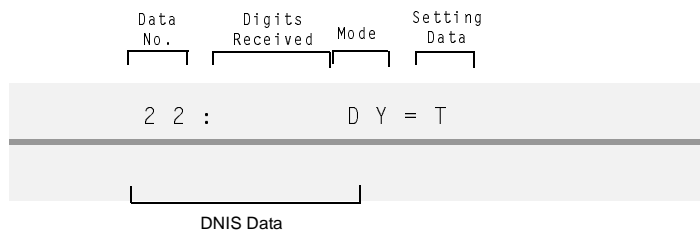
Data No.
22

PC Programming
Alt +ALN

General Description

Up to 200 incoming DID numbers can be assigned individually to ring at a preassigned 2-digit, 3-digit, or 4-digit station number, closed number (plus outgoing digits), or tenant number (00~47) for day mode or night mode. This Memory Block applies to the DID number after it is modified by Memory Block 5-00 (Digit Add/Del for Tie Line Networking Assignment).

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------------------------|----------------|------|------|------|------|------|------|
| T (Station or Closed Number) | TN (Tenant) | | | | | | |

Default not assigned

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press Line Key to select Station or closed number or tenant.

Enter the data using the dial pad.

Use the following to enter data:

to move the cursor left

to move the cursor right

~ to enter numeric data or name (Refer to [Appendix B Character Codes, Section 1 Character Assignment on page B-1.](#))

to switch between Day and Night

to clear all data

to assign the name (Refer to Dial Pad Entry chart)

Digits Received: 0000~9999

Setting Data:

Station No. is a 2-, 3-, or 4-digit number (10~89, 100~899, or 1000~8999).

Closed Number is a 2-, 3-, or 4-digit number to facilitate routing to the closed number.

Tenant No. 00~47

DNIS Data: 8-character maximum

Default Values

Not Specified

Programming Procedures (Continued)

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-1-20 | DID Effective Digit Selection |
| 1-1-21 | DID Digit Conversion Assignment |
| 1-1-23 | DID Forward Station Number for Busy Station or Undefined Digit |
| 5-00 | Digit Add/Del For Tie Line Networking Assignment |

**Notes**

1. When Memory Block 5-00 is used to add or delete digits on a trunk group, this Memory Block is used to route the digits after the add or delete.
2. When converting a DID number to a Tenant, the following must be assigned to ring the desired station:
Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)]
Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)]
Memory Block 4-09 (Telephone to Tenant Assignment).

1-1-23 *DID Forward Station Number for Busy Station or Undefined Digit*

System Mode
1

Submode
1

Data No.
23

PC Programming
Alt +ALN

General Description

Use this Memory Block when Memory Block 1-1-22 (DID Digit Conversion Table) is enabled to define where digits are routed when undefined or the station is busy.

Display












| Data No. | Title | Setting Data 1 | Setting Data 2 |
|-----------------------|---------------------|----------------|----------------|
| 23 | : T R F E X = N O N | | |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------------|----------------|------|------|------|------|------|
| NON | T (TEL) | TN (Tenant) | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Enter Setting Data 1 using the Line key.
Enter Setting Data 2 using the dial pad.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  TEL is 2-, 3-, or 4-digit number (10~89, 100~899, or 1000~8999).
 -  Tenant number can be 00~47.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

NON

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------|
| 1-1-22 | DID Digit Conversion Table |

**Notes**

When this Memory Block is set to a Tenant, the following must be assigned to ring the desired station:
Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)]
Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)]
Memory Block 4-09 (Telephone to Tenant Assignment).

1-1-24 PBX/CTX Access Code Assignment I












General Description

Use this Memory Block to specify a PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display

| Data No. | Title | Setting Data |
|-----------------------|--------|--------------|
| 24 | PBX AC | 9- |
| T I M E D I S P L A Y | | |

Programming Procedures


- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Enter the data using the dial pad.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  to insert a pause
 -  to clear all data
- Press  to write the data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Default Values

9-

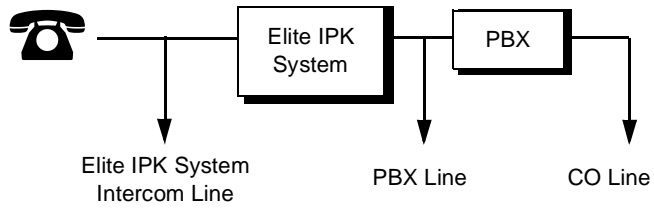
Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------|
| 3-91 | Trunk Type Selection |

| | |
|----------------|--|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 24 |
| PC Programming |  +BA |

**Notes**

Example:



1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation applies to PBX lines assigned in Memory Block 3-91 (Trunk Type Selection).
2. A pause is not inserted in the number of an outgoing call on a CO line.
3. Up to three numeric characters and three pauses can be specified.
4. A pause cannot be inserted as the first digit or as consecutive digits.
5. The entry for pause is –.

1-1-25 PBX/CTX Access Code Assignment II

General Description

Use this Memory Block to specify a second PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display

| Data No. | Title | Setting Data |
|-----------------------|--------|--------------|
| 25 | PBX AC | 8- |
| T I M E D I S P L A Y | | |

System Mode

1

Submode

1


Data No.

25

PC Programming

Alt +BA

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **2** **5** to access the Memory Block.
- 3 Enter the option using the dial pad.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **9** to enter numeric data
 - Redial** to insert a pause (cannot be first digit)
 - Hold** to clear all data
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

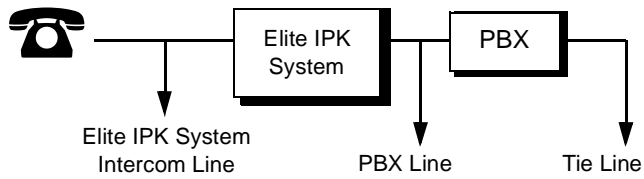
8-

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------|
| 3-91 | Trunk Type Selection |

**Notes**

Example:



1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation only applies to PBX lines assigned in Memory Block 3-91 (Trunk Type Selection).
2. A pause is not inserted in the number of an outgoing call on a CO line.
3. Up to three numeric characters and three pauses can be specified.
4. A pause cannot be inserted as the first or as consecutive digits.

1-1-27 Automatic Day/Night Mode Switching Time Assignment

System Mode

1

Submode

1

Data No.

27

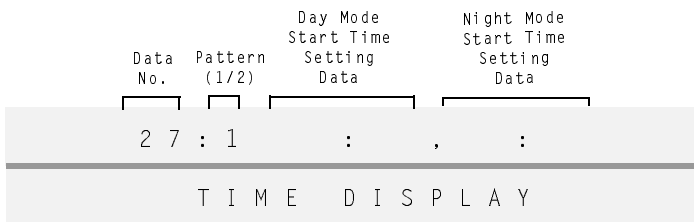
PC Programming

Alt **+BM**

General Description

Use this Memory Block to assign a start time for Pattern 1 and a different start time for Pattern 2 to automatically switch between Day Mode and Night Mode.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Enter the data using the dial pad.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - to clear all data when the cursor is in the Data No. position
- 4 Press to write the data. The switching time for pattern 2 is displayed.
- 5 Use the dial pad to change the time.
- 6 Press to write the data and display the next Memory Block.
- 7 Program the next Memory Block or press to go back on-line.

Default Values

Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-32 | Automatic Day/Night Mode by Day of Week Selection |
| 1-4-05 | Automatic Tandem Trunk by Night Mode Selection |
| 1-8-07 | Class of Service (Attendant) Feature Selection I |
| 1-8-48 | Automatic Daylight Saving Time Selection. |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-09 | Telephone to Tenant Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|---|
| 4-17 | Station to Class of Service Feature Assignment |
| 4-37 | Extension Line Key Ring Assignment (Day Mode) |
| 4-38 | Extension Line Key Ring Assignment (Night Mode) |

**Notes**

1. The start time for Day Mode or Night Mode can be programmed to automatically switch modes at the specified times.
2. A start time for Day Mode only or Night Mode only cannot be programmed.
3. Day Mode and Night Mode cannot be programmed for the same start time.
4. The time is entered using 24-hour clock only.
5. The first time input indicates when Day Mode starts. The second time input indicates when Night Mode starts.
6. Refer to Memory Block 1-1-32 (Automatic Day/Night Mode by Day of Week Selection) for selecting either Pattern 1 or Pattern 2 Day/Night Mode start time for each day of the week. Assigning each day of the week to either Pattern 1 or Pattern 2 allows Day/Night Mode start time for Monday through Friday to differ from Day/Night Mode start time for Saturday and Sunday.

1-1-28 *Distinctive Ringing by Telephone or CO Selection*

System Mode
1

Submode
1

Data No.
28

PC Programming
+BTS

General Description

Use this Memory Block to assign a distinctive ringing tone for each telephone or each CO/PBX line.

Display







Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| TEL | CO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 3-07 | CO/PBX Ringing Variation Selection |
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |
| 4-91 | Telephone Ringing Variation Selection |



Notes



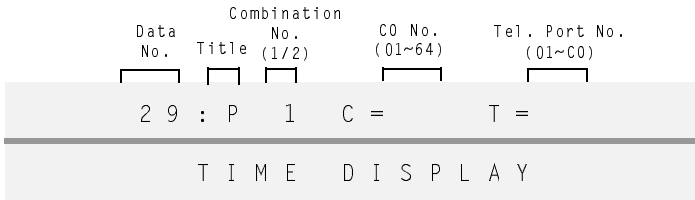
1. TEL = Telephone Mode
Ringing tone is specified in Memory Block 4-91 (Telephone Ringing Variation Selection).
2. CO = CO/PBX Line Mode
Ringing tone is specified for each CO/PBX line in Memory Block 3-07 (CO/PBX Ringing Variation Selection).

1-1-29 Private Line Assignment

General Description

Use this Memory Block to assign an outside line as a private line. The private line cannot be seized by any other telephone, and an LED indication is not provided to other terminals.

Display





System Mode
1


Submode
1









Data No.
29

PC Programming
Alt + BCS

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Enter the data using the dial pad.

 Use the following to enter data:

 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  to clear all data when cursor is at CO No. or Tel. Port No.
- 4 Press  to write the data. Data for the second line is displayed. Move the cursor to change the data.
- 5 Press  to write the data and display the next Memory Block.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values
Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 2-06 | Line Key Selection for Tenant Mode |
| 4-12 | Line Key Selection for Telephone Mode |

Notes

1. Two private lines can be assigned to one station or one private line can be assigned to two stations.
2. A Single Line Telephone (SLT) user cannot dial the Trunk Group Access Code to access a private line. The Single Line Telephone user can dial the specified Line Seizure Access Code assigned in Memory Blocks 1-1-46/1-1-47 [Access Code (1-digit/2-digit) Assignment], Function 063 or 064 to access the line.
3. When a station is allowed Barge-In originate, and a second station is allowed Barge-In receive, Barge-In is not allowed on a private line unless both stations share the private line.

1-1-30 Route Advance Block Assignment

General Description

Use this Memory Block to assign a priority level (1~4) to each Trunk group assigned in a Route Advance Block. The system has 32 blocks that can be specified.

Display

| Data No. | Title | Block No. (1~32) | Priority No. (1~4) | Setting Data |
|--------------|--------|------------------|--------------------|--------------|
| 30 | RT ADV | 01 | 1 | = 00 |
| TIME DISPLAY | | | | |

System Mode
1

Submode
1

Data No.
30

PC Programming
Alt + BCS

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + to access the Memory Block.
- Write data using one of the following.
 - Press repeatedly to cycle until desired Block and Priority number are displayed. Use the dial pad to enter the Trunk Group Number, and press .
 - Use the dial pad to select Block Number, Priority Number, and Trunk Group in sequence, and press after Block 32 to display the next Memory Block.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - Block Numbers:

Default Values

All Blocks (00)

| Block No. | Priority No. | Setting Data |
|-----------|--------------|--------------------|
| 1 | 1 | Trunk Groups 01~32 |
| | 2 | Trunk Groups 01~32 |
| | 3 | Trunk Groups 01~32 |
| | 4 | Trunk Groups 01~32 |

| | | |
|----|---|--------------------|
| 32 | 1 | Trunk Groups 01~32 |
| | 2 | Trunk Groups 01~32 |
| | 3 | Trunk Groups 01~32 |
| | 4 | Trunk Groups 01~32 |

- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---------------------------------|
| 3-03 | Trunk-to-Trunk Group Assignment |

**Notes**

1. When 00 (Not Set) is programmed, no trunks are accessed for this priority setting.
2. When Route Advance Block Numbers are assigned and a line key is pressed or an Access Code is dialed, the system starts searching for an idle line in a specified group (beginning with the Trunk group assigned priority 1).
3. When all CO/PBX lines are in use, the line with the next highest priority is seized.
4. Route Advance Block Number Access Codes are defined in Memory Block 1-1-46 [Access Code (1-Digit) Assignment] or Memory Block 1-1-47 [Access Code (2-Digit) Assignment] function number 201~232.
5. Press the Transfer key repeatedly to cycle through four priorities for each Block sequentially until all Blocks are covered, and then advance to the next Memory Block. The Trunk Group must be added using the dial pad keys.

1-1-32 Automatic Day/Night Mode by Day of Week Selection

System Mode
1

Submode
1

Data No.
32

PC Programming
Alt + BM

General Description

Use this Memory Block to select either Pattern 1 or Pattern 2 Day/Night Mode start time for each day of the week. Memory Block 1-1-27 (Automatic Day/Night Mode Switching Time Assignment) sets Day/Night Mode start time for Pattern 1 and Pattern 2 to switch the system between Day Mode and Night Mode.

Display

| Data No. | Title |
|-----------------------|-------|
| 3 2 : D / N B Y D A Y | |
| T I M E D I S P L A Y | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | |

Default not assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + 3 2 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

Each time a CO/PBX line is pressed, the LED indication changes from Pattern 1 to Pattern 2.

Default Values

Sunday ~ Saturday = Pattern 1

| CO/PBX Line LED | Off | On |
|-----------------|---|---|
| Data | Day/Night Automatic Switching Pattern 1 | Day/Night Automatic Switching Pattern 2 |

The shaded area indicates the default setting.

- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-1-27 | Automatic Day/Night Mode Switching Time Assignment |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 |
| 1-8-48 | Automatic Daylight Saving Time Selection |
| 4-09 | Telephone to Tenant Assignment |
| 4-17 | Station to Class of Service Feature Assignment |

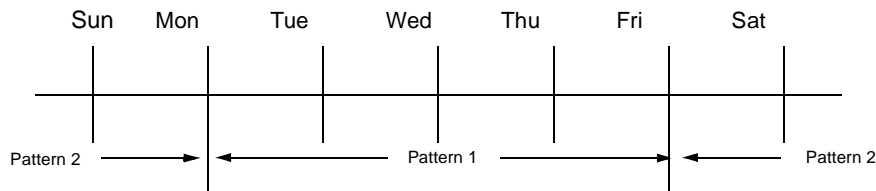


Notes



1. By designating two time settings in Memory Block 1-1-27 (Automatic Day/Night Mode Switching Time Assignment), one of the two settings can be assigned to each day of the week.
2. To specify Day/Night Mode automatic switching time for Monday ~ Friday, and Day/Night Mode automatic switching time 2 for Saturday and Sunday, press CO/PBX line keys 1 and 7.

Related Programming



1-1-33 *Speed Dial Number/Name Display Selection*

General Description

Use this Memory Block to specify whether the dialed number or name is displayed first on the LCD of the originating station when an outgoing call is made using Speed Dial.

Display





| Data No. | Title | Setting Data | Title |
|-----------------------|---------|--------------|---------|
| 3 3 | : S P D | D I A L | D I S P |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| DIAL | NAME | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming


| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-18 | System Speed Dial Restriction by Tenant |
| 1-1-35 | Speed Dial Buffer Allocation |



Notes



When the name of the dialed party is not programmed in Memory Block 3-00, only the dialed number is displayed regardless of programming in this Memory Block.

| | |
|----------------|--|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 33 |
| PC Programming |  +BE |

1-1-34 Tie Line First Ring Pattern Selection

System Mode
1

Submode
1

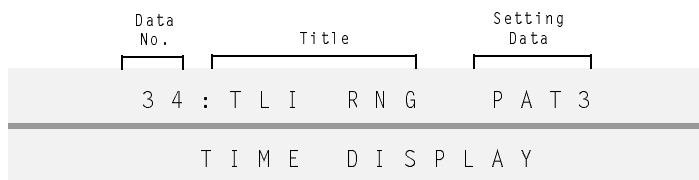
Data No.
34

PC Programming
Alt +ALN

General Description

Use this Memory Block to set a specific ringing pattern for incoming calls on Tie lines. After a delay interval specified in Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection), a Tie call can ring at all Day/Night ring-assigned telephones using a different cadence.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|-------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| PAT1 | PAT2 | PAT3 | PAT4 | ICM | VOICE | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **3 DEF** **4 CH** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-1-07 | Tie Line Delay Ringing Time Selection |
| 1-1-53 | Tie Line Delay Ring Pattern Selection |
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |

Notes

1. Specify one pattern in the Ringing Pattern Selection Table.
2. When Voice is selected, switching from voice to tone is not allowed, Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection) is not used, and Handsfree Answerback is not allowed at the receiving station.

Ringin9 Pattern Selection

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|-----------------------|----|----|----|----|----|----|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | Same as Internal Ring | | | | | | |
| 6 | Voice Announce | | | | | | |

1-1-35 Speed Dial Buffer Allocation

General Description

Use this Memory Block to specify either 100-memory or 1000-memory allocation.

Display

| Data No. | Title | Setting Data |
|-----------------------|-----------------|--------------|
| 3 5 | : S P D A L L O | 1 0 0 |
| T I M E D I S P L A Y | | |

System Mode
1

Submode
1

Data No.
35





PC Programming
Alt + BE

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 100 | 1000 | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-18 | System Speed Dial Restriction by Tenant |
| 1-1-33 | Speed Dial Number/Name Display Selection |

Notes

1. The 100-memory option allows 80 System Speed Dial memories and 20 Station Speed Dial memories.
2. The 1000-memory option does not allow Station Speed Dial memories.

1-1-37 *Trunk Queuing Timeout Selection*

General Description

Use this Memory Block to specify the time that a station with Trunk Queue set rings, before the queue is automatically canceled.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 10s | 20s | 30s | 60s | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **3** (DEF) **7** (PQRS) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
1





Data No.
37

PC Programming
Alt + BM

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|---------|-----------------|--------------|
| 37 | TRK QUE | 1 | = 10s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
00s~99s (e.g., 02s = 2s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 10s
00s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 4-71 | Station to Timer Class of Service (R3000 or higher) |



Notes



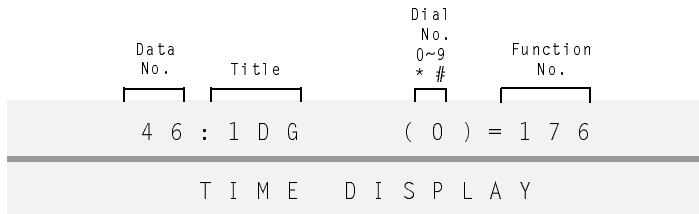
1. When all trunks in a particular Trunk group are busy, the station user can dial an Access Code to queue on the busy Trunk group. When a Trunk in that group becomes idle, the queued station is signaled.
2. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
3. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Trunk Queuing Timeout Selection is reset to the default value during the upgrade process.

1-1-46 Access Code (1-Digit) Assignment

General Description

Use this Memory Block to assign a 1-digit number as an Access Code or station number.

Display



System Mode
1

Submode
1

Data No.
46

PC Programming
Alt +BA

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + (4) (6) to access the Memory Block.
- 3 Enter the options using the dial pad.

Use the following when entering data:

- (*) to move the cursor left
- (#) to move the cursor right
- (0) ~ (9) to enter numeric data

Default Values




| Dial No. | Function No. | Function Name |
|------------------------|--------------|-------------------------|
| (0) (OPER) | 176 | Specified Intercom Call |
| (1) (DEF) - (3) (DEF) | 001 | Station Number |
| (4) (CHI) - (7) (PORS) | 000 | Not Used |
| (8) (TRV) | 102 | Trunk Group 2 |
| (9) (WV12) | 101 | Trunk Group 1 |
| (*) | 096 | Last Number Redial |
| (#) | 026 | Callback Message Answer |

- 4 Enter the Function Number for the Dial Number. Refer to the table on the following pages for a complete list.
- 5 Press (Transfer) to write the data and display the next Dial No.
- 6 Program each Dial No., and press (Transfer) after the last Dial No. to display the next Memory Block.
- 7 Program the next Memory Block or press (Speaker) to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------------|
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |

**Notes**

1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a number (from 0–9), *, or # to each selected function.
 - When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50–59, 5*, and 5# cannot be used).
2. To enter # or * as part of an Access Code, press  then  or .
3. This Memory Block is used when a 2- or 3-Digit Station Numbering Plan is programmed.
4. When function 001 (Station Number) is assigned in this memory block, it cannot be assigned in Memory Block 1-1-47 [Access Code (2-Digit) Assignment] or Memory Block 1-1-48 [Access Code (3-Digit) Assignment].

This table applies to Data Numbers 46, 47, and 48.

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| 4, 5, 6, 7 | 000 | Not Used |
| 1, 2, 3 | 001 | Station Number |
| | 002 | Not Used |
| | 003 | Not Used |
| | 019 | Not Used |
| | 020 | Call Forward – No Answer Set |
| | 021 | Call Forward – No Answer Cancel |
| | 022 | Call Forward – Busy Set |
| | 023 | Call Forward – Busy Cancel |
| 43 | 024 | Call Forward – Busy/No Answer Set |
| 44 | 025 | Call Forward – Busy/No Answer Cancel |
| # | 026 | Callback Message Answer |
| 6# | 027 | SLT Hookflash/DVM Hookflash |
| | 028 | Not Used |
| | 029 | Not Used |
| 41 | 030 | Call Forward – All Call Set |
| 40 | 031 | DND Set |
| 42 | 032 | Call Forward – All Call/DND Cancel |
| | 033 | Call Forward – All Call Set from Destination |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| | 034 | Call Forward – All Call Cancel from Destination |
| | 035 | Station Outgoing Lockout Set |
| | 036 | Station Outgoing Lockout Cancel |
| | 037 | Change Password |
| | 038 | Reset Password from Attendant |
| | 039 | Fax Status Indication (Tie/DID lines) |
| | 040 | Log - ON/OFF |
| | 041 | Account Code Entry |
| 67 | 042 | Call Pickup Direct |
| | 043 | Not Used |
| | 044 | Timed Alarm Set at SLTs |
| | 045 | Timed Alarm Cancel at SLTs |
| | 046 | Set and Cancel of Timed Alarm for Single Line Telephone from Attendant |
| 4* | 047 | Call Park System Transfer |
| 4# | 048 | Call Park System Answer |
| 60 | 049 | Volume/LCD Control |
| | 050 | Specified Tenant on CO/PBX/Centrex Line Seizure (1-digit) |
| | 051 | Specified Tenant on CO/PBX/Centrex Line Seizure (2-digit) |

This table applies to Data Numbers 46, 47, and 48.

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| 4, 5, 6, 7 | 000 | Not Used |
| 1, 2, 3 | 001 | Station Number |
| | 002 | Not Used |
| | 003 | Not Used |
| | 004 | Not Used |
| | 005 | Not Used |
| | 006 | Not Used |
| | 007 | Not Used |
| | 008 | Not Used |
| | 009 | Not Used |
| | 010 | Not Used |
| | 011 | Not Used |
| | 012 | Not Used |
| | 013 | Not Used |
| | 014 | Not Used |
| | 015 | Not Used |
| | 016 | Not Used |
| | 017 | Not Used |
| | 018 | Not Used |
| | 019 | Not Used |
| | 020 | Call Forward – No Answer Set |
| | 021 | Call Forward – No Answer Cancel |
| | 022 | Call Forward – Busy Set |
| | 023 | Call Forward – Busy Cancel |
| 43 | 024 | Call Forward – Busy/No Answer Set |
| 44 | 025 | Call Forward – Busy/No Answer Cancel |
| # | 026 | Callback Message Answer |
| 6# | 027 | SLT Hookflash/DVM Hookflash |
| | 028 | Not Used |
| | 029 | Not Used |
| 41 | 030 | Call Forward – All Call Set |
| 40 | 031 | DND Set |
| 42 | 032 | Call Forward – All Call/DND Cancel |
| | 033 | Call Forward – All Call Set from Destination |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| | 034 | Call Forward – All Call Cancel from Destination |
| | 035 | Station Outgoing Lockout Set |
| | 036 | Station Outgoing Lockout Cancel |
| | 037 | Change Password |
| | 038 | Reset Password from Attendant |
| | 039 | Fax Status Indication (Tie/DID lines) |
| | 040 | Log - ON/OFF |
| | 041 | Account Code Entry |
| 67 | 042 | Call Pickup Direct |
| | 043 | Not Used |
| | 044 | Timed Alarm Set at SLTs |
| | 045 | Timed Alarm Cancel at SLTs |
| | 046 | Set and Cancel of Timed Alarm for Single Line Telephone from Attendant |
| 4* | 047 | Call Park System Transfer |
| 4# | 048 | Call Park System Answer |
| 60 | 049 | Volume/LCD Control |
| | 050 | Specified Tenant on CO/PBX/Centrex Line Seizure (1-digit) |
| | 051 | Specified Tenant on CO/PBX/Centrex Line Seizure (2-digit) |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|---|
| | 052 | Call Pickup CO/PBX by Tenant (1-digit) |
| | 053 | Call Pickup CO/PBX/Centrex by Tenant (2-digit) |
| | 054 | Specified Tenant Internal Paging (1-digit) |
| | 055 | Specified Tenant Internal Paging (2-digit) |
| | 056 | Internal Emergency All Call Paging |
| 68 | 057 | Intra-Tenant Call Pickup |
| 69 | 058 | Night Chime Call Pickup |
| | 059 | Not Used |
| | 060 | Call Pickup CO/PBX for other Tenants |
| | 061 | Internal/CO/PBX Transfer Call Pickup in Same Tenant |
| | 062 | SLT Park to Non-Exclusive Hold |
| | 063 | Specified CO/PBX/Centrex Line Seizure (1-digit) |
| | 064 | Specified CO/PBX/Centrex Line Seizure (2-digit) |
| | 065 | Not Used |
| 6* | 066 | Call Pickup CO/PBX in Same Tenant |
| | 067 | Call Pickup (Tie only) in Same Tenant |
| | 068 | Call Pickup (PBX only) in Same Tenant |
| | 069 | Call Pickup (CO only) in Same Tenant |
| 51 | 070 | All Internal Zone Paging |
| 52 | 071 | Internal Zone A Paging |
| 53 | 072 | Internal Zone B Paging |
| 54 | 073 | Internal Zone C Paging |
| 5* | 074 | Internal/External Meet-Me |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| 55 | 075 | All External Zone Paging |
| 56 | 076 | External Zone A Paging |
| 57 | 077 | External Zone B Paging |
| 58 | 078 | External Zone C Paging |
| 5# | 079 | External Meet-Me |
| | 080 | Outgoing (CO only) Access in Same Tenant |
| 59 | 081 | All Internal/External Zone Paging |
| | 082 | System I. D. Number for Tie Line Networking |
| | 083 | Not Used |
| | 084 | Not Used |
| | 085 | Not Used |
| | 086 | Tie Line Seizure in Same Tenant |
| | 087 | PBX Line Seizure in Same Tenant |
| 78 | 088 | Trunk Queuing Set |
| 79 | 089 | Trunk Queuing Cancel |
| 76 | 090 | Station Speed Dial Programming (Single Line Telephone) |
| | 091 | Doorphone 1 Call |
| | 092 | Doorphone 2 Call |
| | 093 | Doorphone 3 Call |
| | 094 | Doorphone 4 Call |
| 77 | 095 | Station/System Speed Dial Call (Single Line Telephone) |
| * | 096 | Last Number Redial |
| | 097 | Not Used |
| | 098 | DSS 1 CALL |
| | 099 | DSS 2 CALL |
| | 100 | Not Used |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|---|
| 9 | 101 | Trunk Group 01 |
| 8 | 102 | Trunk Group 02 |
| 70 | 103 | Trunk Group 03 |
| 71 | 104 | Trunk Group 04 |
| 72 | 105 | Trunk Group 05 |
| 73 | 106 | Trunk Group 06 |
| 74 | 107 | Trunk Group 07 |
| 75 | 108 | Trunk Group 08 |
| | 109~132 | Trunk Group 09~32 |
| | 133~139 | Not Used |
| 45 | 140 | Call Forward – Busy/No Answer Set for Call Arrival Key (CAR) |
| 46 | 141 | Call Forward – Busy/No Answer Cancel for Call Arrival Key (CAR) |
| 47 | 142 | Call Forward – All Call Set for Call Arrival Key (CAR) |
| 48 | 143 | Call Forward – All Call Cancel for Call Arrival Key (CAR) |
| | 144 | Call Forward – All Split Set for Call Arrival Key (CAR) |
| | 145 | Call Forward – All Split Cancel for Call Arrival Key (CAR) |
| | 146 | Forced Account Code/Authorization Code |
| | 147 | Forced Account Code/Authorization Code Access |
| | 148 | Station Relocation |
| | 150 | Call Forward – No Answer Split Set |
| | 151 | Call Forward – No Answer Split Cancel |
| | 152 | Call Forward – Busy Split Set |
| | 153 | Call Forward – Busy Split Cancel |
| | 154 | Call Forward – Busy/ No Answer Split Set |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|---|
| | 155 | Call Forward – Busy/ No Answer Split Cancel |
| | 156 | Call Forward – All Split Set |
| | 157 | Call Forward – All Split Cancel |
| | 158 | Call Forward – Busy/No Answer Split Set for Call Arrival Key (CAR) |
| | 159 | Call Forward – Busy/No Answer Split Cancel for Call Arrival Key (CAR) |
| | 160~175 | Not Used |
| 0 | 176 | Specified Station Access Code 00 |
| | 177 | Specified Station Access Code 01 |
| | 178 | Specified Station Access Code 02 |
| | 179 | Specified Station Access Code 03 |
| | 180 | Specified Station Access Code 04 |
| | 181 | Specified Station Access Code 05 |
| | 182 | Specified Station Access Code 06 |
| | 183 | Specified Station Access Code 07 |
| | 184 | Specified Station Access Code 08 |
| | 185 | Specified Station Access Code 09 |
| | 186 | Specified Station Access Code 10 |
| | 187 | Specified Station Access Code 11 |
| | 188 | Specified Station Access Code 12 |
| | 189 | Specified Station Access Code 13 |
| | 190 | Specified Station Access Code 14 |
| | 191 | Specified Station Access Code 15 |
| | 192 | Specified Station Access Code 16 |
| | 193 | Specified Station Access Code 17 |
| | 194 | Specified Station Access Code 18 |
| | 195 | Specified Station Access Code 19 |
| | 196 | Specified Station Access Code 20 |

| Default Dial No. | Function No. | Function Name |
|------------------|--------------|---|
| | 197 | Specified Station Access Code 21 |
| | 198 | Specified Station Access Code 22 |
| | 199 | Specified Station Access Code 23 |
| | 200 | Not Used |
| | 201~232 | Route Advance Block 01~32 |
| | 233~250 | Not Used |
| | 251 | DISA Password Set (Any station) |
| | 252 | DISA Password Reset (Attendant only) |
| | 253 | DISA Password Confirmation (Attendant only) |
| | 254 | Not Used |
| | 255 | Not Used |
| | 301 | Third Digit Table Number 01 (2-digit Numbering Plan can only be entered.) |
| | ∫ | ∫ |
| | 304 | Third Digit Table Number 04 (2-digit Numbering Plan can only be entered.) |

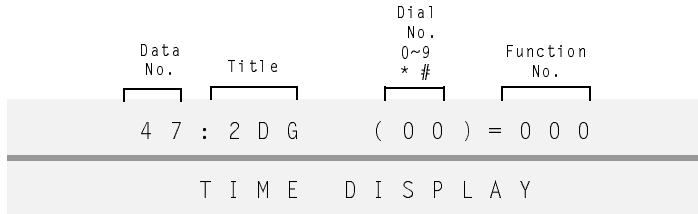
| Default Dial No. | Function No. | Function Name |
|------------------|--------------|--|
| | 401 | Closed Number Block 1 |
| | ∫ | ∫ |
| | 416 | Closed Number Block 16 |
| | 501 | VRS Voice Message Record/Verify/ Erase (Voice Prompt, Automated Attendant) |
| | 502 | Voice Mail Message Set |
| | 503 | Voice Mail Message Cancel |
| | 601 | ARS Table 1 |
| | 602 | ARS Table 2 |
| | 603 | ARS Table 3 |
| | 604 | ARS Table 4 |

1-1-47 Access Code (2-Digit) Assignment

General Description

Use this Memory Block to assign a 2-digit number as an Access Code.

Display



System Mode
1

Submode
1

Data No.
47

PC Programming
Alt +BA




Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **4** **7** to access the Memory Block.
- 3 Enter the options using the dial pad.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data
- 4 Enter the Function Number for the Dial Number. Refer to the table in Memory Block 1-1-46 [Access Code (1-Digit) Assignment].
- 5 Press **Transfer** to display next dial number in succession.
- 6 After programming last Dial No., press **Transfer** to display the next Memory Block.
- 7 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |

**Notes**

1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a number (from 00~99), *, or # to each selected function.
 - When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5*, and 5# cannot be used).
2. To enter # or * as part of an Access Code, press  then  or .
3. Use this Memory Block when a 4-Digit Station Numbering Plan is programmed.
4. When function 001 (Station Number) is assigned in this memory block, it cannot be assigned in Memory Block 1-1-46 [Access Code (1-Digit) Assignment] or Memory Block 1-1-48 [Access Code (3-Digit) Assignment].

1-1-48 Access Code (3-Digit) Assignment

General Description

Use this Memory Block to assign a 3-digit number as an Access Code.

With **System Software R2500**, Function 001 (Station Number) can be assigned allowing 4-digit numbers by 10s group, 5-digit numbers by 100s group, 6-digit numbers by 1000s group, or 7-digit numbers by 10000s group.

Display

| Data No. | Title | Third Digit Table No. (01~04) | Dial No. 0~9 * # | Function No. |
|-----------------------|---------|-------------------------------|------------------|--------------|
| 48 | : 3 D G | / 0 1 | (0) | = 0 0 0 |
| T I M E D I S P L A Y | | | | |

System Mode
1

Submode
1

Data No.
48

PC Programming
Alt +BA

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Enter the Function No. for Dial No. 0 for Third Digit Table No. 01 using the dial pad.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - and to enter *
 - and to enter #
- 4 Press to write the data and display the next Dial No.
- 5 After last Dial No. entry, press to write the data and display Third Digit Table No. 02, Dial No. 0.
- 6 Enter Function No. for Dial No. 0, and press to write the data and display the next Dial No.
- 7 After last Dial No. entry for Table 02, press to write the data and display Third Digit Table No. 03, Dial No. 0.
- 8 Enter Function No. for Dial No. 0, and press to write the data and display the next Dial No.
- 9 After last Dial No. entry for Table 03, press to write the data and display Third Digit Table No. 04.
- 10 Enter Function No. for Dial No. 0, and press to write the data and display the next Dial No.
- 11 After last Dial No. entry for Table 04, press to write the data and display the next Memory Block.
- 12 Program next Memory Block or press to go back on-line.

Default Values

All Dial 000 (Not Used)

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|------------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-34 | Expanded Station Number Assignment |



Notes



1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a 3-digit Access Code.
 - When a function is assigned a 1-digit Access Code or 2-digit Access Code, 3-digit Access Codes (with the same first digit) become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5*, and 5# cannot be used).
2. A station number is not assigned in this Memory Block.
3. All items except function number 001 (Station Number) in 1-digit assignment are valid in this block (**R2000 or lower** only).
4. Four groups of Access Code Tables can be used. 0~9, *, and # are the third digit Access Codes that are assigned in the third digit tables.
5. Before using this function, assign function numbers 301~304 (Table No. for third digit) in Memory Block 1-1-47 [Access Code (2-Digit) Assignment].
6. To program Access Code 811 for Trunk Group 02:
 - Use Memory Block 1-1-47 [Access Code (2-Digit) Assignment] to assign function 301 to 81.
 - Set Third Digit Table No. 01 dial number 1 to function 102.
7. By assigning Memory Blocks 1-2-03, 1-2-34, 1-1-47, and 1-1-48 as shown below, Stations can be assigned by the 10s group for 4-digit station numbers, 100s group for 5-digit station numbers, 1000s group for 6-digit station numbers, or 10000s group for 7-digit station numbers (System Software R2500).

4-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 4DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | Blank | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 2000~2009 (200X)

5-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 5DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 2 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 20000~20009 (200XX)

6-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 6DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 20 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 200000~200999 (200XXX).

**Notes (Continued)****7-Digit Station Numbers**

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 7DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 200 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20 | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 2000000~2009999 (200XXXX).

8. When function 001 (Station Number) is assigned in this memory block, it cannot be assigned in Memory Block 1-1-46 [Access Code (1-Digit) Assignment] or Memory Block 1-1-47 [Access Code (2-Digit) Assignment].

Numbering Plan (2-Digit)

| Dial No. | Function Number |
|----------|------------------------|
| 81 | 301 (3rd Dgt Table 01) |
| 82 | 302 (3rd Dgt Table 02) |
| 83 | 303 (3rd Dgt Table 03) |
| 84 | 304 (3rd Dgt Table 04) |

Numbering Plan (3-Digit)

3rd Digit Table No. 01

| Dial No. | Function Number |
|----------|----------------------|
| 0 | 101 (Trunk Group 01) |
| 1 | 102 (Trunk Group 02) |
| 2 | 103 (Trunk Group 03) |
| 3 | 104 (Trunk Group 04) |
| 4 | 105 (Trunk Group 05) |
| ∫ | ∫ |
| 9 | 110 (Trunk Group 10) |

1-1-49 Networking Trunk Group/Route Advance Assignment

System Mode
1

Submode
1

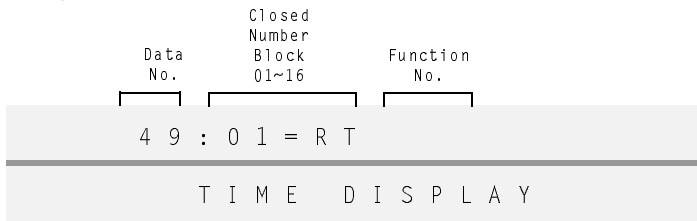
Data No.
49

PC Programming
Alt + BCS



General Description


Use this Memory Block to assign the function number of the Trunk Group to be used to network an Electra Elite 48/192 system to another system by Tie lines or CO/PBX/CTX lines.








Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use dial pad to enter the Function Number for Closed Number Block 01 of the Trunk Group or the Route Advance Block.

 Use the following to enter data:

 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  to clear all data
- 4 Press  to write selected data and display the next Closed Number Block.
- 5 Repeat Steps 3 and 4 for each Closed Number Block. After data for the last Closed Number Block is written, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values
Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 1-1-30 | Route Advance Block Assignment |
| 1-1-50 | CO/PBX Outgoing Digit Add Assignment |
| 3-03 | Trunk-to-Trunk Group Assignment |

Notes

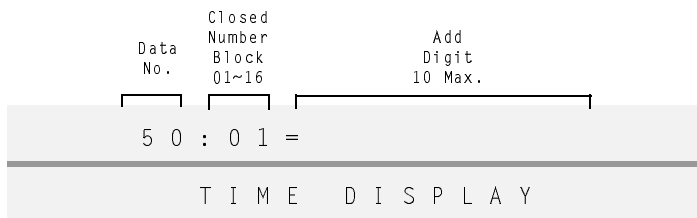
Function Number 101~132 (Trunk Group 1~32, respectively) or 201~232 (Route Advance Block 1~32, respectively) is assigned to Closed Number blocks.

1-1-50 *CO/PBX Outgoing Digit Add Assignment*

General Description

Use this Memory Block to specify up to 10 additional digits when a trunk in the Trunk group or Route Advance block assigned in Memory Block 1-1-49 (Networking Trunk Group/Route Advance Assignment) is seized, and a number is dialed.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **5** **0** to access the Memory Block.
- 3 Use dial pad to enter digits to be added for Closed Number Block 01.

Use the following to enter data:

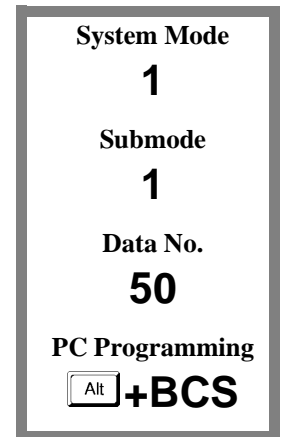
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data
 - Hold** to clear all data
 - Redial** + ***** to enter *
 - Redial** + **#** to enter #
- 4 Press **Transfer** to write selected data and display the next Closed Number Block.
- 5 Repeat Steps 3 and 4 for each Closed Number Block. After data for the last Closed Number Block is written, the next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Not Specified

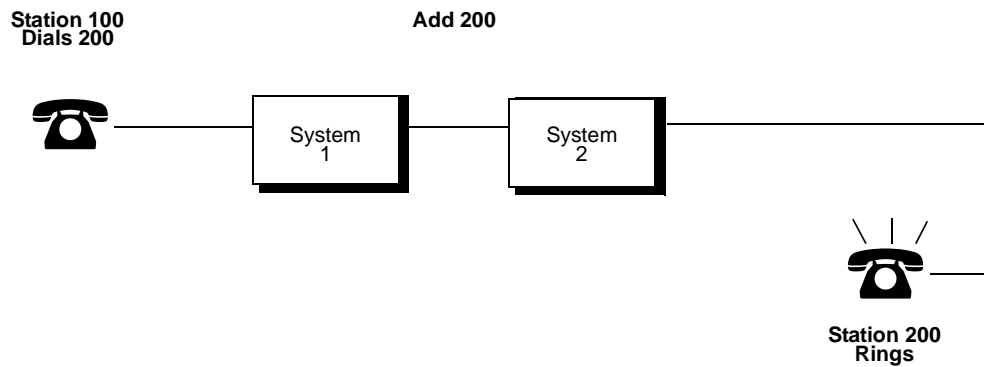
Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-49 | Networking Trunk Group/Route Advance Assignment |



 **Notes** 

Example:



To assign System 1 in System Programming:

1. Memory Block 1-1-46 [Access Code (1-Digit) assignment]. Assignment 2 → 401 (Closed Number Block 01).
2. Memory Block 1-1-49 (Networking Trunk Group/Route Advance Assignment). Assignment Block 01 → 102 (Trunk group 02).
3. Memory Block 1-1-50 (CO/PBX Outgoing Digit Add Assignment). Assignment Block 01 → Assign 2.
4. Digits are added when the Access Code is dialed from the internal dial tone.
5. This Memory Block also applies to ISDN trunks.

1-1-51 CO Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the initial ringing pattern or no ring for incoming calls on a CO line.

Display







| Data No. | Title | Setting Data | Page No. |
|-----------------------|-------------|--------------|----------|
| 5 1 | : C O P T N | A | 1 |
| T I M E D I S P L A Y | | | |

Settings

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |
| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| NO | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Press corresponding CO/PBX line key to change data.
 - Use the following to enter data:
 -  to access the next page
 -  to access the previous page
- Press  to write data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.


Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------------------|
| 1-1-59 | Synchronous Ringing Selection |

System Mode
1

Submode
1

Data No.
51

PC Programming
 **+BCS**

The Ring Patterns are shown in the table below:

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

1-1-52 PBX Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the initial ringing pattern or no ring for incoming calls on a PBX line.

Display

| Data No. | Title | Setting Data | Page No. |
|-----------------------|---------------|--------------|----------|
| 5 2 | : P B X P T N | B | 1 |
| T I M E D I S P L A Y | | | |

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| A | B | C | D | E | F | G | H |

Page 2

| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
|------|-------|-------|-------|-------|-------|-------|-------|
| NO | | | | | | | |

System Mode

1

Submode

1

Data No.







52

PC Programming

Alt + BCS

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Press corresponding CO/PBX line key to change data.
 - Use the following to enter data:
 -  to access the next page
 -  to access the previous page
- Press  to write data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.



Notes



Do not program this Memory Block if Memory Block 1-1-59 (Synchronous Ringing Selection) is assigned YS.

The Ring Patterns are listed in the table below:

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

1-1-53 Tie Line Delay Ring Pattern Selection

| | |
|----------------|-----------------|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 53 |
| PC Programming | Alt +ALN |

General Description

Use this Memory Block to select a ringing pattern or no ring for incoming calls on a Tie line after the timeout set in Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection).

| | | | |
|-----------------------|---------------|--------------|----------|
| Data No. | Title | Setting Data | Page No. |
| 53 | : T L I P T N | D | 1 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |

Page 2

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| NO | | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **5** **3** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - Recall** to access the next page
 - Feature** to access the previous page
- 4 Press **Transfer** to write data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-1-07 | Tie Line Delay Ringing Time Selection |
| 1-1-34 | Tie Line First Ring Pattern Selection |
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |

The Ring Patterns are shown in the table below:

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

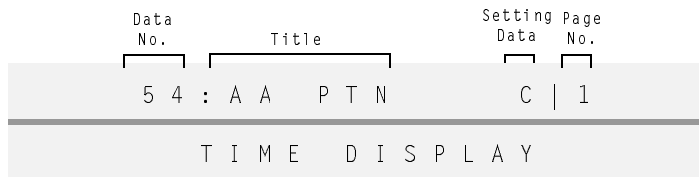
1-1-54 Automated Attendant Transfer Ring Pattern

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 54 |
| PC Programming | Alt +AU |

General Description

Use this Memory Block to specify the ringing pattern or no ring sent to the Multiline Terminal when an incoming call is received at the Automated Attendant and transferred.

Display



Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |

Page 2

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
| NO | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + **5** (JKL) **4** (GHI) to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - Recall** to access the next page
 - Feature** to access the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

The Ring Patterns are shown in the table below:

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

1-1-55 DID Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the ringing pattern or no ring to be used for DID calls.

Display

| Data No. | Title | Setting Data | Page No. |
|-----------------------|---------------|--------------|----------|
| 5 5 | : D I D P T N | A | 1 |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

1

Data No.

55

PC Programming

Alt **+ALN**

Settings

Page 1







| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| A | B | C | D | E | F | G | H |

Page 2

| LK 9 | LK 10 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
|------|-------|-------|-------|-------|-------|-------|-------|
| NO | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 - Use the following to change page:
 -  to move to next page
 -  to move to previous page
- Press  to write the data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------|
| 1-1-20 | DID Digit Length Selection |
| 1-1-21 | DID Digit Conversion Assignment |
| 1-1-22 | DID Digit Conversion Table |

1-1-57 CO/PBX Prepause Time Selection

General Description

Use this Memory Block to assign a pause time before dialed digits can be sent over a CO/PBX line after the trunk is seized by a system user.

System Mode
1

Submode
1

Data No.
57

PC Programming
Alt + BCM

| Data No. | Title | Setting Data | Page No. |
|--------------|----------|--------------|----------|
| 57 | PREPAUSE | 1s | 1 |
| TIME DISPLAY | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NON | 1s | 2s | 3s | 4s | 5s | 6s | 7s |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 8s | 9s | 10s | 11s | 12s | 13s | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **5** (JPL) **7** (PQRS) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 - Use the following to change page:
 - Recall** to move to next page
 - Feature** to move to previous page
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

1-1-59 Synchronous Ringing Selection

General Description

Use this Memory Block to specify whether or not CO/PBX calls follow Synchronous Ringing.

Display

| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 59 | SYNCHRONUS | YS |
| TIME DISPLAY | | |

System Mode
1

Submode
1

Data No.
59

PC Programming
Alt + BCS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **5** (Lk) **9** (WRT) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|------------------------------------|
| 1-1-51 | CO Line Ringing Pattern Selection |
| 1-1-52 | PBX Line Ringing Pattern Selection |



Notes




Synchronous Ringing does not apply to incoming DID calls, off-hook ringing calls, or CO/PBX ring transfer calls.

1-1-60 8-Digit Matching Table Assignment

System Mode
1

Submode
1

Data No.
60

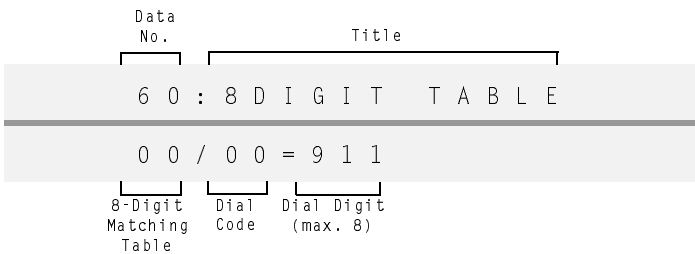
PC Programming
 **+AC**

General Description



Use this Memory Block to assign the outgoing dial digit for Code Restriction (except OCC Dial Digit - Normal Dial). Program this assignment in one of two ways:







- a) When the user dials digit(s) and there is a match, the system allows free dialing or denies dialing by disconnecting. Refer to Memory Block 1-1-61 (8-Digit Matching Table to Class Assignment) for programming.
- b) When a user dials digit(s) and there is no match, the system allows free dialing or denies dialing by disconnecting. Refer to Memory Block 1-1-65 (Code Restriction Class Allow/Deny Selection) for programming.


Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the data for Dial Code 00 for 8-Digit Matching Table 00.

-  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  to clear data

-  The information that can be entered includes:
 - Matching Table: 00~15 (8-digit)
 - Dial Code: 00~15
 - Dial Digit: 0~9, *, #, NANP = X, P, N (Maximum eight digits)

Default Values

| Matching Table | Dial Code | Setting Data |
|----------------|-----------|----------------|
| 00 | 00 | 911 |
| 11 | 00 | 0 |
| 12 | 00 | 976 |
| 13 | 00/ 01/02 | 1800/1888/1877 |
| 14 | 00 | 1X |
| 15 | 00 | X |

Programming Procedures

- 4 Operation data includes:

| Operation Data | Dial Number | Operation |
|----------------|--|----------------------------|
| X | 0 _{OPER} ~ 9 _{WXYZ} , *, # | Redial + 7 _{PQRS} |
| P | 0 _{OPER} and 7 | Redial + 8 _{TUV} |
| N | 2 _{ABC} ~ 9 _{WXYZ} | Redial + 9 _{WXYZ} |
| * | * | Redial + * |
| # | # | Redial + # |

- 5 Press **Transfer** to write the data and advance to the next Dial Code. After all Dial Codes for 8-Digit Matching Table 00 are entered, press **Transfer** again to display 8 Digit Matching Table 01.
- 6 Repeat Steps 3 and 5 to cycle through all Dial Codes for all 8-Digit Matching Tables. After the last Dial Code for the last 8-Digit Matching Table is entered, the next Memory Block is displayed.
- 7 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).



Notes




- There are 16, 8-Digit Matching Tables. Each 8-digit table contains 16 Dial Codes. Each dial code can have eight characters including digits and/or *, #, X, P, or N characters.
- NANP = North American Numbering Plan.

1-1-61 8-Digit Matching Table to Class Assignment

System Mode
1

Submode
1

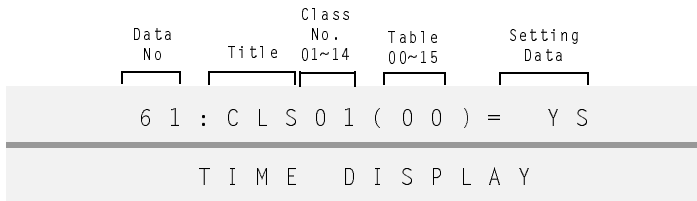
Data No.
61

PC Programming
 **+AC**

General Description

Use this Memory Block to program each 8-digit Matching Table to allow or deny assignment per class. Classes 00 and 15 are fixed. Only classes 01~14 can be programmed.

Display








Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|---------------|--------------|------|------|------|------|------|
| NON | YS (Allow) | NO (Deny) | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option for Class 01 Table 00.
 -  Classes:
 - Class 00 and 15 cannot be programmed
 - Class 00 has no restrictions (Allow)
 - Class 15 has restricted outgoing (Deny)
 - Refer to the table on the next page.
- 4 Press  to write the data and advance to the next Table and then to the next Class. Repeat Steps 3 and 4 for each Class and Table.
- 5 After data for the last Table for the last Class is entered, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming.

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1.](#)

| Table | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Class | | | | | | | | | | | | | | | | |
| 01 | YS | | | | | | | | | | | NO | | | NO | NO |
| 02 | YS | | | | | | | | | | | NO | | YS | NO | NO |
| 03 | YS | | | | | | | | | | | NO | NO | YS | NO | NO |
| 04 | YS | | | | | | | | | | | | | YS | NO | NO |
| 05 | YS | | | | | | | | | | | | | | | |
| 06 | YS | | | | | | | | | | | | | | | |
| 07 | YS | | | | | | | | | | | | | | | |
| 08 | YS | | | | | | | | | | | | | | | |
| 09 | YS | | | | | | | | | | | | | | | |
| 10 | YS | | | | | | | | | | | | | | | |
| 11 | YS | | | | | | | | | | | | | | | |
| 12 | YS | | | | | | | | | | | | | | | |
| 13 | YS | | | | | | | | | | | | | | | |
| 14 | YS | | | | | | | | | | | | | | | |


YS = Allow
 NO = Deny
 NON = Blank

1-1-62 System Speed Dial Override by Class Selection

System Mode
1

Submode
1

Data No.
62

PC Programming
 **+AC**

General Description

Use this Memory Block to specify per Class whether or not Class Selection can override System Speed Dial.

Display





| Data No | Title | Class No. 01~14 | Setting Data |
|-----------------------|-----------------------------|-----------------|--------------|
| 6 2 | : S P D O V R (0 1) = Y S | | |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------------------|------|------|------|------|------|------|
| NO | YS (Override) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option for Class 01.
- 4 Press  to write the data and advance to the next class. Repeat Steps 3 and 4 for each class.
- 5 After data for the last class is entered, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-18 | System Speed Dial Restriction by Tenant |

 **Notes** 

At system default, all stations are set to Class 00 to allow override for System Speed Dial.

1-1-63 *Hold Recall Time Selection (Exclusive)*

General Description

Use this Memory Block to specify the time for Exclusive Hold Recall. When No Limit is selected, Exclusive Hold Recall is not provided.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display

| Data No. | Title | Setting Data |
|-----------------------|-----------|--------------|
| 63 | HOLD RECL | 1.0 |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 5.0 | 8.0 | ∞ (No Limit) |

The shaded selection is the default. Times are in minutes.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **6** **3** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
1

Data No.
63

PC Programming
Alt + BM

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|-------------|-----------------|--------------|
| 63 | H L D R C L | 1 | = 0 6 0 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~999s (e.g., 020s = 20s)
- 4 Press to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press to go back on-line.

Default Values
Class 1~4 = 060s
000s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-03 | Hold Recall Time Selection (Non-Exclusive Hold) |
| 1-2-23 | System Call Park Recall Time Selection |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |



Notes




1. When an Exclusive Hold call recalls, the held call switches to a Non-Exclusive Hold call.
2. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
3. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Hold Recall Time Selection is reset to the default value during the upgrade process.

1-1-65 Code Restriction Class Allow/Deny Selection

System Mode
1

Submode
1

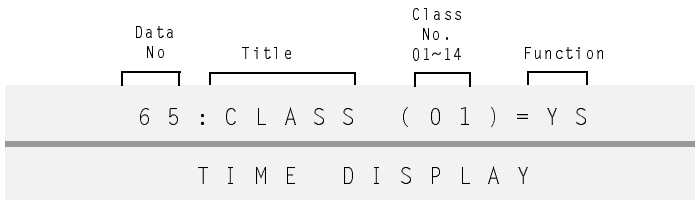
Data No.
65

PC Programming
 **+AC**

General Description

Use this Memory Block to assign Code Restriction Classes 01~14 as Allow or Deny. This assignment is used when there is no match or there is an overlap (duplicate numbers in tables with opposite assignments) of numbers in the 8-Digit Matching Tables.

Display







Settings

| | | | | | | | |
|---------------|--------------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS (Allow) | NO (Deny) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
- 4 Press  to write the data and advance to the next Class. Repeat steps 3 and 4 until last Class is assigned.
- 5 The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values

Class 01~04 Allow (YS)
Class 05~14 Deny (NO)

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).



Notes



1. When a match is not found or duplicate match is made with opposite assignments, the system uses this memory Block.
2. When the interdigit dialing time duration exceeds 10 seconds while a restricted station user is dialing on an outside line, the system automatically drops the call.

1-1-66 8-Digit Matching Table to Normal Dial Assignment

System Mode
1

Submode
1

Data No.
66

PC Programming
Alt +AC

General Description

Use this Memory Block to assign the 8-Digit Matching Table by class for normal dialing as used or unused. When unused is assigned, the system does not check during normal dialing even when Memory Block 1-1-61 (8-Digit Matching Table to Class Assignment) is programmed.

Display

| Data No. | Title | Page No. |
|--------------|-------------|----------|
| 66 | NORMAL DIAL | 1 |
| TIME DISPLAY | | |

Settings

Page 1

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 00 | Table 01 | Table 02 | Table 03 | Table 04 | Table 05 | Table 06 | Table 07 |

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 08 | Table 09 | Table 10 | Table 11 | Table 12 | Table 13 | Table 14 | Table 15 |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change data option for each Table.
 - Use the following to enter data:
 - to access the next page
 - to access the previous page
 - Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

Default Values

| | |
|--------------|-------------------------|
| Tables 00~14 | Used (Non-OCC and OCC) |
| Table 15 | Unused (OCC calls only) |

| CO/PBX Line LED | Off | On |
|-----------------|------------|----------------|
| Data | Restricted | Not restricted |

The shaded selection is the default.

- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Related Programming

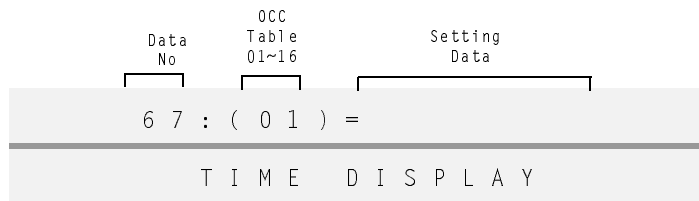
Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).

1-1-67 OCC Table Assignment

General Description

Use this Memory Block to assign an Other Common Carrier (OCC) code (8-digit maximum) in a table. A maximum of 16 codes can be assigned.

Display



System Mode
1

Submode
1

Data No.
67

PC Programming
Alt **+AC**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + **6** (MNO) **7** (PQRS) to access the Memory Block.
- 3 Use the dial pad to enter the data.

- Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data
 - Hold** to clear data

- The information that can be entered includes:

OCC Table: 01~16 (8-digit)

- Setting Data: 0~9, *, #, NANP = X, P, N (Maximum eight digits)

- Operation data includes:

| Operation Data | Dial Number | Operation |
|----------------|--|---------------------------------|
| X | 0 (OPER) ~ 9 (WXYZ), * , # | Redial + 7 (PQRS) |
| P | 0 (OPER) and 7 | Redial + 8 (TRV) |
| N | 2 (ABC) ~ 9 (WXYZ) | Redial + 9 (WXYZ) |
| * | * | Redial + * |
| # | # | Redial + # |

- 4 Press **Transfer** to write the data and advance to the next OCC table.
- 5 Repeat Steps 3 and 4 for each OCC Table. The next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).

Default Values

OCC Table 01 ~ 15 Blank
OCC Table 16 1010XXX

1-1-68 8-Digit Matching Table to OCC Table Assignment

System Mode
1

Submode
1

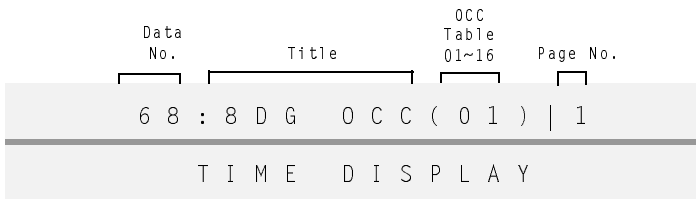
Data No.
68

PC Programming
Alt +AC

General Description

Use this Memory Block to assign each 8-Digit Matching Table to each Other Common Carrier (OCC) Code Table.

Display



Settings

Page 1

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 00 | Table 01 | Table 02 | Table 03 | Table 04 | Table 05 | Table 06 | Table 07 |

Page 2

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 08 | Table 09 | Table 10 | Table 11 | Table 12 | Table 13 | Table 14 | Table 15 |

Default not assigned.

Programming Procedures

- Go off-line.
- Press LK1 + LK1 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change data option.
 - Use the following to enter data:
 - to access the next page
 - to access the previous page
 - Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

Default Values

OCC Tables 01~15:
All Matching Tables Not Used

OCC Table 16:
Matching Tables 00~14 Not Used
Matching Table 15 Used

| CO/PBX Line LED | Off | On |
|-----------------|--------|------|
| Data | Unused | Used |

The shaded area is the default setting.

- Press to write the data and advance to the next OCC table. Repeat steps 3 and 4 until last OCC data is entered.
- The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).

1-1-69 Tie Line Code Restriction Assignment

General Description

Use this Memory Block to restrict outgoing Tie line dialed digits.

Display

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 69 | TIE REST | = Y S |
| TIME DISPLAY | | |

System Mode

1

Submode

1

Data No.

69

PC Programming





Alt **+AC**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

Restriction

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).



Notes



When Tie lines are assigned code restriction, the Access Code used to dial out of the distant system must be entered in front of the dialed number in the 8-Digit Matching Tables.

1-1-70 Code Restriction Class Assignment When Lockout is Set

General Description

Use this Memory Block to assign the Code Restriction Class when a station user sets the Station Outgoing Lockout or when the Attendant sets Attendant Station Outgoing Lockout.

Display












System Mode
1

Submode
1

Data No.
70

PC Programming
Alt +AC

Programming Procedures

- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Used dial pad to enter class restriction.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
- Press  to write selected data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Default Values

Class 15

Related Programming

Refer to [Chapter 3 Advanced Applications, Section 1 Code Restriction on page 3-1](#).

Notes

When a station is locked out, the Code Restriction Class Assignment of this Memory Block is used instead of the Code Restriction Class assigned in Memory Block 4-07 [Code Restriction Class Assignment (Day Mode)] or 4-08 [Code Restriction Class Assignment (Night Mode)].

1-1-71 *First Delay Announcement Start Time Selection*

System Mode

1

Submode

1

Data No.

71

PC Programming

Alt **+AR**

General Description

Use this Memory Block to specify the time between receiving a CO call and sending a First Delay Announcement to the calling party.

Display





| Data No. | Title | Setting Data |
|--------------|-------------|--------------|
| 71 | MSG START = | 20 |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 00 | 10 | 20 | 30 | 40 | 50 | 60 | |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-72 | First Delay Announcement Repeat Selection |
| 1-8-13 | VRS Message Function Assignment |
| 3-41 | Delay Announcement Assignment |



Notes



This Memory Block does not display unless the MIFA-U () ETU is installed.

1-1-72 *First Delay Announcement Repeat Selection*

System Mode
1

Submode
1

Data No.
72

PC Programming
Alt +AR

General Description

Use this Memory Block to specify the number of times a First Delay Announcement is repeated.

Display





| Data No. | Title | Setting Data |
|-----------------------|---------------------|--------------|
| 7 2 | : M S G 1 S E N D = | 1 |
| T I M E D I S P L A Y | | |

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-71 | First Delay Announcement Start Time Selection |
| 1-8-12 | VRS Message Recording Time Selection |
| 1-8-13 | VRS Message Function Assignment |
| 3-41 | Delay Announcement Assignment |

Notes

1. This Memory Block does not display unless the MIFA-U() ETU is installed.
2. When Memory Block 2-08 is used, this is the number of times the message is played back-to-back. After this is done, the system looks at the timer in 1-1-73.

1-1-73 *First to Second Delay Announcement Interval Time Selection*

System Mode

1

Submode

1

Data No.

73

PC Programming

Alt **+AR**

General Description

Use this Memory Block to specify the time between the end of the First Delay Announcement sending time and the start time of the Second Delay Announcement.

Display





| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 73 | MSG INTVL | = 20 |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 00 | 10 | 20 | 30 | 40 | 50 | 60 | ∞ (No Limit) |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-74 | Second Delay Announcement Repeat Selection |
| 1-1-75 | Second Delay Announcement Repeat Interval Time Selection |
| 1-8-13 | VRS Message Function Assignment |
| 3-41 | Delay Announcement Assignment |



Notes



This Memory Block does not display unless the MIFA-U() ETU is installed.

1-1-74 *Second Delay Announcement Repeat Selection*

System Mode
1

Submode
1

Data No.
74

PC Programming
Alt +AR

General Description

Use this Memory Block to specify the number of times a Second Delay Announcement is repeated.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-73 | First to Second Delay Announcement Interval Time Selection |
| 1-1-75 | Second Delay Announcement Repeat Interval Time Selection |
| 1-8-12 | VRS Message Recording Time Selection |
| 1-8-13 | VRS Message Function Assignment |
| 3-41 | Delay Announcement Assignment |

Notes

1. This Memory Block does not display unless the MIFA-U() ETU is installed.
2. When Memory Block 2-08 is used, this is the number of times the message is played back-to-back. After this is done, the system looks at 1-1-75 to repeat the procedure.

1-1-75 *Second Delay Announcement Repeat Interval Time Selection*

System Mode

1

Submode

1

Data No.

75

PC Programming

Alt **+AR**

General Description

Use this Memory Block to specify the interval time to repeat Second Delay Announcement to the calling party.

Display





| Data No. | Title | Setting Data |
|-----------------------|---------------|--------------|
| 75 | MSG 2 R P E T | = 20 |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 00 | 10 | 20 | 30 | 40 | 50 | 60 | ∞ (No Limit) |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-73 | First to Second Delay Announcement Interval Time Selection |
| 1-1-74 | Second Delay Announcement Repeat Selection |
| 3-41 | Delay Announcement Assignment |



Notes



This Memory Block does not display unless the MIFA-U() ETU is installed.

1-1-76 Barge-In Alert Tone Assignment

General Description

Use this Memory Block to specify whether or not Barge-In Alert Tone is allowed.

Display

| Data No. | Title | Setting Data |
|--------------|--------------|--------------|
| 76 | : ALERT TONE | = YS |
| TIME DISPLAY | | |

System Mode
1

Submode
1

Data No.
76

PC Programming
Alt+BTS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 4-17 | Station to Class of Service Feature Assignment |
| 4-90 | SLT Data Line Security Assignment |

Notes

1. Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitor of conversations. Some federal and state laws require a monitoring party to use an alert tone to indicate monitoring and/or obtain consent from all parties to the conversation. Some laws provide strict penalties for illegal monitoring of telephone conversations.
2. When YS is assigned, both internal and external parties receive the alert tone.

1-1-77 *Delayed Ringing Time Assignment (CO)*



General Description


Use this Memory Block to assign the delayed ringing time for incoming outside line calls.







Display

| Data No. | Title | Setting Data |
|-------------------------|---------------|--------------|
| 77 | : DRING (1) | = 1 5 s |
| T I M E D I S P L A Y | | |

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter data.

 Setting data:

  ~  
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

15 Seconds

| | |
|----------------|---|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 77 |
| PC Programming |  +BCM |

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-2-26 | Delayed Ringing Time Assignment (ICM) |

1-1-78 *Caller ID Display Assignment for System Mode*

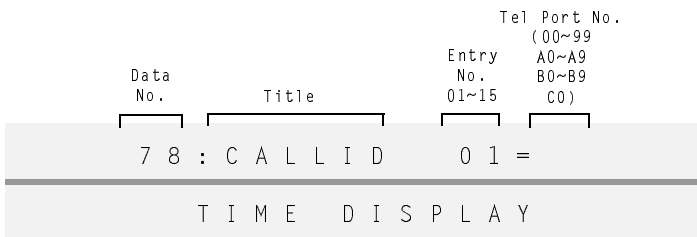
| | |
|----------------|------------|
| System Mode | 1 |
| Submode | 1 |
| Data No. | 78 |
| PC Programming | +AI |

General Description

Use this Memory Block to assign up to 15 Multiline Terminals to display ANI/Caller ID Indication for normal incoming CO/PBX calls or CO/PBX calls ringing a Call Arrival (CAR) key.

This Memory Block is used for **System Software R1600 and lower**. For **System Software R1700 and higher** it is no longer required.

Display



Programming Procedures

- Go off-line.
- Press LK1 + LK1 + to access the Memory Block.
- Use the dial pad to enter Entry No. 01 and Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
- Press to write the data and advance to the next Entry No. After each tel port No. is selected, press again. A total of 15 entries can be made. After the last data is entered, the next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Default Values

Not specified

Notes

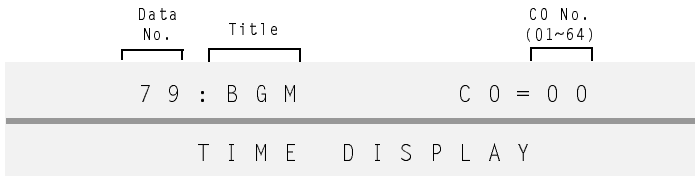
- To display ANI/Caller ID Indication for normal incoming and CAR incoming calls, Caller ID Indication and Ring Assignment must be programmed.
- Fifteen Multiline Terminals can be assigned system-wide to display ANI/Caller ID.
- A sixteenth terminal can be assigned to display ANI/Caller ID using another Memory Block.

1-1-79 *BGM Port Assignment*

General Description

Use this Memory Block to assign the CO/PBX port as a Background Music port.

Display



System Mode
1

Submode
1

Data No.
79

PC Programming
+BCS

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + to access the Memory Block.
- 3 Use the dial pad to enter the CO No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

Not specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 2-06 | Line Key Selection For Tenant Mode |
| 4-12 | Line Key Selection For Telephone Mode |



Notes



When separate Music on Hold and Station Background Music are required, use an analog CO port to support Station Background Music.

1-1-80 ISDN DTMF Duration/Interdigit Selection

System Mode
1

Submode
1

Data No.
80

PC Programming
Alt +AN

General Description

Use this Memory Block to specify tone duration/interdigit time of Dual-Tone Multifrequency (DTMF) signals for the ISDN trunk.

Display





| | | | |
|-----------------------|-------|---|--------------|
| Data No. | Title | = | Setting Data |
| 80 | : M F | | 100 / 70 |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|--------|---------|---------|---------|------|------|------|
| 70/60 | 100/70 | 400/100 | 600/100 | 900/200 | | | |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 3-92 | Trunk (Installed, DP/DTMF) Selection |

1-1-81 ISDN Dial Interval Time Selection

General Description

Use this Memory Block to specify the time between each digit dialed before digits are sent over the ISDN PRI line Network. This also applies to K-CCIS outgoing calls.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (2500 or lower)





| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 81 | ISDN DIAL | 4 s |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2s | 4s | 8s | 16s | 32s | | | |

The shaded selection is the default.

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Refer to the next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
1





Data No.
81

PC Programming
 **+AN**

Display (3000 or higher)



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
01s-99s (e.g., 08s = 8s)
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values
04 Seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 3-91 | Trunk Type Selection |
| 3-92 | Trunk (Installed, DP/DTMF) Selection |



Notes



1. When Maximum Digits are assigned, and a user dials a phone number equal to the limit set, the dialed digits are sent immediately over the Network without waiting for this timer to expire.
2. **R3000 or higher** is required to adjust this Memory Block by 1-second intervals.

1-1-82 *CO Feature Code Service for Code Restriction*

General Description

Use this Memory Block to define a code to send to the CO in front of the dialed number to allow completion of a CO call made to a Code restricted number set to allow.

| Data No. | Code Table 01~10 | Setting Data |
|-----------------------|------------------|--------------|
| 82 | : | 01 = |
| T I M E D I S P L A Y | | |

System Mode

1

Submode

1









Data No.

82

PC Programming

Alt **+AC**

Programming Procedures

- Go off-line.
- Press LK1 + LK1 +   to access the Memory Block.
- Use the dial pad to enter the Feature Code for Restriction to Code Table 01. **Default Values**
 Use the following to enter data: Not specified
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
- Press  to write the data.
- Repeat Steps 3 and 4 for all code Tables. The next Memory Block is displayed.
- Program the next Memory Block or press  to go back on-line.



Notes



Example: Set Code Table 01 to *67


When Tel 100 user dials Access Code **9**, Feature Code ***67** Telephone Number **12147517000** to access a line that is code restricted, the code restriction starts at 12147517000. When code restriction is set to allow, the 1214 matches and the call goes through. When Code restriction is deny, the 1214 matches and user receives a reorder tone and ERROR is displayed on telephones that have a display.

1-1-86 Call Monitoring Alert Tone Assignment

System Mode
1

Submode
1

Data No.
86

PC Programming
 **+BTS**

General Description

Use this Memory Block to specify whether or not Call Monitoring Alert Tone is allowed. When allowed, the Conference LED indicates Call Monitoring. When denied, the Conference LED does not indicate Call Monitoring.

System Software R2000 or higher is required.





| Data No. | Title | Setting Data |
|----------|----------------|--------------|
| 86 | : ALERT TONE = | YS |
| | TIME DISPLAY | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|---------------|---|
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 6, LK6 and LK7 |



Notes



1. When YS is assigned, Call Monitoring Tone and the Conference LED indicate Call Monitoring.
2. When NO is assigned, Call Monitoring Tone and the Conference LED do not indicate Call Monitoring.

1-2-00 Internal Paging Timeout Selection

General Description

Use this Memory Block to specify the time allowed for paging.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)

| Data No. | Title | Setting Data |
|--------------|--------|--------------|
| 00 | PAGING | 90s |
| TIME DISPLAY | | |

System Mode
1

Submode
2

Data No.
00

PC Programming
Alt +BP

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|-----------------|------|------|------|------|------|
| 90s | 120s | ∞ (No Limit) | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|--------|-----------------|--------------|
| 00 | PAGING | 1 | = 090s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~255s (e.g., 020s = 20s)
- 4 Press **Transfer** to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press **Speaker** to go back on-line.

Default Values
Class 1~4 = 090s
000s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-7-06 | External Paging Timeout Selection |
| 4-93 | Internal Zone Paging Selection |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

Notes

1. Types of paging include:
 - All Internal Zone (51)
 - Internal Zone Paging (52~54)
 - External Zone Paging (all speakers) (55)
 - External Zone Paging (individual speakers) (56~58)
 - Internal/External Zone Paging (59)
2. Telephone Ports 1 and 2 are in Station to Timer Class of Service, Class 1, by default. All other ports are in Station to Timer Class of Service, Class 2, by default.
3. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Internal Paging Timeout Selection is reset to the default during the upgrade process.

1-2-01 *Intercom Call Voice/Tone Signal Selection*

System Mode

1

Submode

2

Data No.

01

PC Programming

 **+BI**

General Description

Use this Memory Block to specify whether signal tone or voice is used first for an intercom call.

Display





| Data No. | Setting Data | Title |
|--------------|--------------|-------|
| 01 | VOICE | CALL |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|-------|------|------|------|------|------|------|
| TONE | VOICE | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 1-6-03 | DSS Call Voice/Tone Signal Selection |



Notes



1. To switch from voice to tone signaling or from tone to voice, dial a station number, then dial 1.
2. When tone signaling is programmed in this Memory Block, the called party cannot answer handsfree unless the originator of the call dials 1.
3. This Memory Block has no effect on incoming Voice Announcement Tie/DID line calls. Refer to Memory Block 1-1-34 (Tie Line First Ring Pattern Selection).

1-2-02 Automatic Callback Release Time Selection

System Mode
1

Submode
2

Data No.
02

PC Programming
Alt **+BM**

General Description

Use this Memory Block to specify the time allowed for an automatic callback before the request is automatically canceled.

This Memory Block can be adjusted in 1-minute intervals (**R3000 or higher**).

Display (R2500 or lower)





| Data No. | Title | Setting Data |
|-----------------------|-----------------|--------------|
| 02 | C A L L B A C K | 30m |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 30s | 1m | 2m | 3m | 5m | 10m | 20m | 30m |

The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-------------------------|----------|-----------------|--------------|
| 02 | CALLBACK | 1 | =30M |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
00m~99m (e.g., 05m =5m)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 30m
00m = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. Telephone Ports 1 and 2 are in Station to Timer Class of Service, Class 1, by default. All other ports are in Station to Timer Class of Service, Class 2, by default.
2. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Automatic Callback Release Time Selection is reset to the default during the upgrade process.

1-2-03 2~7-Digit Station Number Selection

General Description

Use this Memory Block to determine the number of digits for station numbers. Either 2-digit (10~89), 3-digit (100~899), or 4-digit (1000~8999) assignment is available or a 5-, 6-, or 7-digit station numbering plan is available.

System Software R2500 is required to assign 5-, 6-, or 7-Digit station numbering plan.

Display

| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 03 | STA . NO . | 3 DGT |
| TIME DISPLAY | | |

System Mode
1

Submode
2

Data No.
03





PC Programming
Alt **+BS**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2DGT | 3DGT | 4DGT | 5DGT | 6DGT | 7DGT | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-34 | Expanded Station Number Assignment |
| 1-8-26 | Voice Mail Quick Transfer Master Hunt Number |
| 4-10 | Station Number Assignment |

**Notes**

1. The Station Numbering Plan can be 2--7- digits; however, only one plan can be used at a time.
2. After a change is made in this Memory Block, all station numbers must be reassigned in Memory Block 4-10 (Station Number Assignment).
3. By assigning Memory Blocks 1-2-03, 1-2-34, 1-1-47, and 1-1-48 as shown below, Stations can be assigned by the 10s group for 4-digit station numbers, 100s group for 5-digit station numbers, 1000s group for 6-digit station numbers, or 10000s group for 7-digit station numbers (System Software R2500).

4-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 4DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | Blank | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 2000~2009 (200X)

5-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 5DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 2 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 20000~20009 (200XX)

6-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 6DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 20 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 200000~200999 (200XXX)

7-Digit Station Numbers

| | | |
|--|--------------------|----------------------|
| MB 1-2-03 (2~7-Digit Station Number Selection) | 7DGT | |
| MB 1-2-34 (Expanded Station Number Assignment) | 200 | |
| MB 1-1-47 [Access Code (2-Digit) Assignment] | (AC20) | 301 (Digit Table 01) |
| MB 1-1-48 [Access Code (3-Digit) Assignment] | (Table 01, Dial 0) | 001 (Station Number) |

Station Numbers are 2000000~2009999 (200XXXX)

1-2-04 Call Arrival Key Block Assignment

General Description

Use this Memory Block to specify the number of Call Arrival keys that can be used in the system.

Display

| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 04 | CAR ASSIGN | 01 |
| TIME DISPLAY | | |

System Mode
1

Submode
2

Data No.
04

PC Programming
Alt +BK

Settings

Page 1 Ports 01~32

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 01~04 | Port 05~08 | Port 09~12 | Port 13~16 | Port 17~20 | Port 21~24 | Port 25~28 | Port 29~32 |

Page 2 Ports 33~64

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 33~36 | Port 37~40 | Port 41~44 | Port 45~48 | Port 49~52 | Port 53~56 | Port 57~60 | Port 61~64 |

Page 3 Ports 65~96





| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 65~68 | Port 69~72 | Port 73~76 | Port 77~80 | Port 81~84 | Port 85~88 | Port 89~92 | Port 93~96 |

Page 4 Ports 97~CO

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------|------|
| Port 97~A0 | Port A1~A4 | Port A5~A8 | Port A9~B2 | Port B3~B6 | Port B7~C0 | | |

Default: No Call Arrival Key Blocks are assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
LK is green = block assigned for CAR
LK is red = block not available for CAR (hardware installed)
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

No Call Arrival Key Blocks are assigned.
Hardware equipped ports are red.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

**Notes**

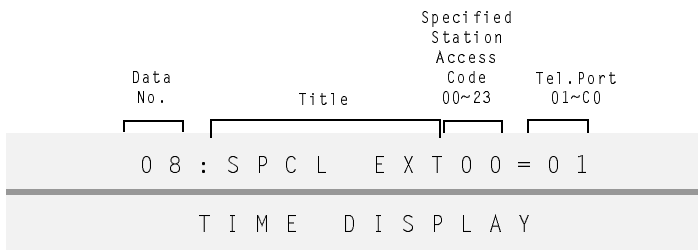
1. The Electra Elite IPK expanded system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, FMS/VMS, and OPX) and Call Arrival Keys. When 32 station ports are being used, 88 remain for use as Call Arrival (CAR) Keys.
2. The total number of shared and CAR ports are shared with PS ports.
3. The Electra Elite IPK basic system allows a maximum of 32 ports to be shared by Legacy stations (ESI, SLI, FMS/VMS, and OPX) and Call Arrival Keys. In addition to the shared ports, 40 dedicated CAR ports can also be defined. Dedicated CAR ports are 33-72.

1-2-08 Specified Station Access Code Assignment

General Description

Use this Memory Block to assign specific stations for abbreviated dialing. Up to 24 stations can be assigned.

Display



System Mode
1

Submode
2

Data No.
08

PC Programming
Alt +BA

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 + to access the Memory Block.
- 3 Use the dial pad to enter Specified Station Access Code 00 Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - to clear data
 - Setting Data:
 - Tel. Port No. 01~120
 - Specified Station Access Code is 00~23
- 4 Press to write data and display the next Specified Station Access Code.
- 5 Repeat Steps 3 and 4 for each Specified Station Access Code.
- 6 The next Memory Block is displayed.
- 7 Program the next Memory Block or press to go back on-line.

Default Values

| Access Code No. | Value |
|-----------------|---------|
| 00 | 01 |
| 01-23 | Not Set |

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-4-14 | Automated Attendant Message Access Code (1-Digit) Assignment |
| 1-4-15 | Automated Attendant Message Access Code (2-Digit) Assignment |

**Notes**


1. Specified stations can be accessed from intercom (ICM) dial tone or as an outside caller calling into the Electra Elite IPK system Auto Attendant.
2. The Specified Access Code is assigned in Memory Blocks 1-1-46 or 1-1-47 [Access Code (1-Digit/2-Digit Assignment)].

1-2-09~18 Customized Message 1~10 Assignment

System Mode
1

Submode
2

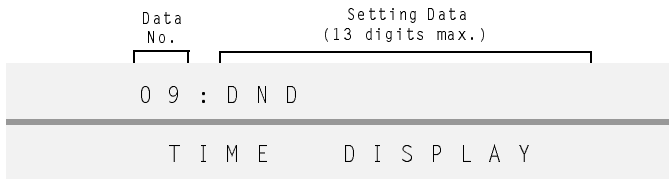
Data No.
09~18

PC Programming
 **+BI**





General Description

Use this Memory Block to program various messages for display at a station LCD. When a user places an intercom (ICM) call from a station equipped with an LCD display to a station in DND mode, the applicable programmed message displays at the calling station.

Display








Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   ~   to access the Memory Block.
- 3 Enter the options using the dial pad.





Use the following enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data
-  to clear data

Default Values

| Data No. | Message |
|----------|---------------|
| 09 | DND |
| 10 | MEETING |
| 11 | BUSINESS TRIP |
| 12 | NOT IN |
| 13 | WITH GUEST |
| 14 | OUT OF OFFICE |
| 15~18 | Not Specified |

- 4 Enter the characters to be displayed. Refer to [Appendix B Character Codes, Section 1 Character Assignment on page B-1](#).
- 5 After entering each message for Memory Block 1-2-9~18 (Custom Message 1~10 Assignment), press  to write the data. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.



Notes



1. Ten messages are available, the first six are assigned at default.
2. System Software allows a message to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in [Appendix B Character Codes, Section 1 Character Assignment on page B-1](#).

1-2-19 Intercom Ring Pattern Selection

General Description

Use this Memory Block to select a ring pattern or turn the tone ON/OFF when intercom calls are made.

Display

| Data No. | Title | Setting Data | Page |
|--------------|--------|--------------|------|
| 19 | ICMPTN | B | 1 |
| TIME DISPLAY | | | |

System Mode

1

Submode

2

Data No.

19

PC Programming

Alt +BI

Settings

Page 1








| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| OFF | ON | A | B | C | D | E | F |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| G | H | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + L2 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 -  Use the following to enter data:
 -  to go to the next page
 -  to go to the previous page
- Press  to write the data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

The Ring Patterns are listed in the table below:

s= seconds

| Pattern | Line Key | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|-----------------|----|----|----|----|----|----|----|
| OFF | LK 1 | | | | | | | |
| ON | LK 2 | | | | | | | |
| A | LK 3 | | | | | | | |
| B | LK 4 | | | | | | | |
| C | LK 5 | | | | | | | |
| D | LK 6 | | | | | | | |
| E | LK 7 | | | | | | | |
| F | LK 8 | | | | | | | |
| G | LK 1 (Pg. 2) | | | | | | | |
| H | LK 2 (Pg. 2) | | | | | | | |

1-2-20 Intercom Ring Tone Selection

General Description

Use this Memory Block to select a ring tone for intercom calls.

Display

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 20 | ICM TONE | A |
| TIME DISPLAY | | |

System Mode

1

Submode

2

Data No.

20

PC Programming





 **+BI**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| A | B | C | D | E | F | G | H |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.



Notes



The available tones are:

| | |
|-----------------------|--------------------|
| Tone A = (480/600): | Modulation (16 Hz) |
| Tone B = (480/606): | Modulation (8 Hz) |
| Tone C = (1024/1285) | |
| Tone D = (1024) | |
| Tone E = (500) | |
| Tone F = (1024/1285): | Modulation (16 Hz) |
| Tone G = (600/700): | Modulation (16 Hz) |
| Tone H = (1024) | Envelope 2 sec. |

1-2-21 PS Telephone Block Assignment

General Description

Use this Memory Block to specify the number of PS II stations that can be used in the system.

Display

| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 21 | PHS ASSIGN | 01 |
| TIME DISPLAY | | |

System Mode
1

Submode
2

Data No.
21

PC Programming
Alt +AP

Settings

Page 1 Ports 01~32

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 01~04 | Port 05~08 | Port 09~12 | Port 13~16 | Port 17~20 | Port 21~24 | Port 25~28 | Port 29~32 |

Page 2 Ports 33~64

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 33~36 | Port 37~40 | Port 41~44 | Port 45~48 | Port 49~52 | Port 53~56 | Port 57~60 | Port 61~64 |

Page 3 Ports 65~96



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Port 65~68 | Port 69~72 | Port 73~76 | Port 77~80 | Port 81~84 | Port 85~88 | Port 89~92 | Port 93~96 |



Page 4 Ports 97~C0




| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------------|------------|------------|------------|------|------|
| Port 97~A0 | Port A1~A4 | Port A5~A8 | Port A9~B2 | Port B3~B6 | Port B7~C0 | | |

Default: No PS Telephone Blocks are assigned.

Programming Procedures

- Go off-line.
- Press LK1 + LK2 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
LK is green = block assigned for PS
LK is red = block not available for PS

 Press  to cycle between pages.

 Setting Data indicates the first port number on the applicable page.
- Press  to write the data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Default Values

No PS Terminal Blocks are assigned.
Hardware equipped ports are red.

**Notes**

1. The Electra Elite IPK basic system can support a maximum of 24 PS II stations.
2. The Electra Elite IPK expanded system can support a maximum of 40 PS II stations.
3. The Electra Elite IPK basic system can have 32 ports to be shared by station ports (ESI, SLI, FMS/VMS, CNF, and OPX), Call Arrival Keys, and PS stations. If 24 station ports are being used, eight remain for use as PS stations.
4. The Electra Elite IPK expanded system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, FMS/VMS, CNF, and OPX), Call Arrival Keys, PS stations, and IP phones (Memory Block 1-2-32.)
5. The total number of PS station ports are shared with the total number of hardware and software station ports.

1-2-22 *Call Forward - No Answer Time Selection*

System Mode
1

Submode
2

Data No.
22

PC Programming
Alt **+BM**

General Description

Use this Memory Block to specify the time before incoming intercom calls or incoming CO/PBX lines are forwarded to another station number when the called party does not answer.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 4s | 8s | 12s | 18s | 24s | 30s | 60s | |

The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK2 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|-------------|-----------------|--------------|
| 2 2 | : N O A N S | 1 | = 1 2 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
01s~99s (e.g., 05s =5s)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 12s

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-01 | Intercom Call Voice/Tone Signal Selection |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 4-17 | Station to Class of Service Feature Assignment |
| 4-42 | Call Forward-Busy Immediately/Delay Selection |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. Telephone Ports 1 and 2 are in Station to Timer Class of Service, Class 1, by default. All other ports are in Station to Timer Class of Service, Class 2, by default.
2. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Call Forward – No Answer Time Selection is reset to the default during the upgrade process.

1-2-23 *System Call Park Recall Time Selection*

System Mode
1

Submode
2

Data No.
23

PC Programming
Alt + BM

General Description

Use this Memory Block to specify the time before a CO/PBX call recalls back to a station from Call Park.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 5.0 | 8.0 | 10.0 |

The shaded selection is the default. Times are in minutes.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK2 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-------------------------|---------------|-----------------|--------------|
| 23 | : P R K R C L | 1 | = 0 6 0 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
001s~999s (e.g., 120s = 2 Minutes)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 060s

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------------|
| 4-71 | Station to Timer Class of Service |

**Notes**

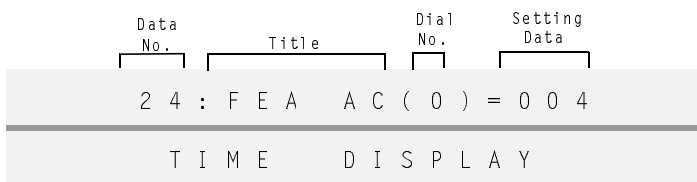
1. Telephone Ports 1 and 2 are in Station to Timer Class of Service, Class 1, by default. All other ports are in Station to Timer Class of Service, Class 2, by default.
2. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the System Call Park Recall Time Selection is reset to the default during the upgrade process.

1-2-24 Intercom Feature Access Code Assignment

General Description

Use this Memory Block to assign the Access Code for Voice/Tone change or Step Call.

Display



System Mode
1

Submode
2

Data No.
24

PC Programming
Alt +BA

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 + **2** **4** to access the Memory Block.
- 3 Use the dial pad to enter the Setting Data.

Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** ~ **9** to enter numeric data
- Redial** + ***** or **#** to enter ***** or **#**

Setting Data

| Setting Code | Feature |
|--------------|------------------------------|
| 000 | Not Used |
| 001 | Voice/Tone Switching |
| 002 | Step Call |
| 003 | Tone Override |
| 004 | Automatic Callback |
| 005 | Callback Request |
| 006 | Voice Over Originate |
| 007 | Quick Transfer to Voice Mail |

Default Values


| Dial Numbers |
|--------------|
| 0 = 004 |
| 1 = 001 |
| 2 = 002 |
| 3-5 = 000 |
| 6 = 006 |
| 7 = 007 |
| 8, 9 = 000 |
| * = 003 |
| # = 005 |

- 4 Press **Transfer** to write the data and advance to the next Dial No.
- 5 Repeat Steps 3 and 4 for each Dial No. The next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-2-01 | Intercom Call Voice/Tone Signal Selection |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-8-26 | Voice Mail Quick Transfer Master Hunt Number |
| 4-17 | Station to Class of Service Feature Assignment |

**Notes**

1. Features can be assigned to more than one dial number.
2. To enter * or # under Dial Numbers Selection, press  + * or #.

1-2-25 Internal Paging Alert Tone Selection

General Description

Use this Memory Block to specify whether or not a call alert tone is provided when Internal Paging is used.

Display



System Mode
1

Submode
2

Data No.
25

PC Programming
Alt +BP

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 + **2** **5** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

1-2-26 *Delayed Ringing Time Assignment (ICM)*

General Description

Use this Memory Block to specify the delayed ringing time for incoming internal calls.

Display

| Data No. | Title | Setting Data |
|-----------------------|-------------|--------------|
| 26 | DRING (1) | = 10 s |
| T I M E D I S P L A Y | | |

System Mode

1

Submode

2










Data No.

26

PC Programming

Alt **+BI**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Enter data using the dial pad.
 Setting Data:   ~  
- 4 Press  to write data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

10 seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 4-37 | Extension Line Key Ring Assignment (Day Mode) |
| 4-38 | Extension Line Key Ring Assignment (Night Mode) |

1-2-30 PS Out of Area Time Assignment

General Description

Use this Memory Block to specify the retry time when a PS II is Out of Area.

Display



System Mode
1

Submode
2

Data No.
30

PC Programming
Alt **+AP**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 + (3 DEF) (0 OPER) to access the Memory Block.
- 3 Enter data using the dial pad.

Default Values

08 seconds

Use the following to enter data:

- (*) to move the cursor left
- (#) to move the cursor right
- (0 OPER) ~ (9 WXYZ) to enter numeric data

- 4 Press (Transfer) to write data and display the next Memory Block.
- 5 Program the next Memory Block or press (Speaker) to go back on-line.

Notes

1. When the PS Out of Area time is shorter than the Call Forward – No Answer time, the caller receives an Out of Area indication.
2. This Memory Block is used to define the Time a system searches for a PS II before displaying Out of Area or providing a busy tone to the Caller.
3. When using Call Forward – Busy/No Answer feature, verify that the time is compatible with this Memory Block.

1-2-32 IP Telephone Block Assignment

System Mode
1

Submode
2

Data No.
32

PC Programming
Alt +AH

General Description

Use this Memory Block to specify when IP Telephones that connect to the IPCA()-U() ETU must use resources from the CPUI()-U() ETU (Legacy system). When IP Telephone Blocks are assigned, the CPUI()-U() ETU can control the following features for the IPC IP Telephones:

- Centralized Billing (K-CCIS)
- Code Restriction
- Enhanced 911
- ISDN-PRI Trunk Connections – Calling Party Number (CPN) Presentation from Station
- Least Cost Routing (LCR)
- Station Message Detail Recording (SMDR)

System Software R2500 is required.

Display



Settings

Page 1 Ports 01~32

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Port 01~04 | Port 05~08 | Port 09~12 | Port 13~16 | Port 17~20 | Port 21~24 | Port 25~28 | Port 29~32 |

Page 2 Ports 33~64

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Port 33~36 | Port 37~40 | Port 41~44 | Port 45~48 | Port 49~52 | Port 53~56 | Port 57~60 | Port 61~64 |

Page 3 Ports 65~96

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Port 65~68 | Port 69~72 | Port 73~76 | Port 77~80 | Port 81~84 | Port 85~88 | Port 89~92 | Port 93~96 |

Page 4 Ports 97~C0










| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Port 97~A0 | Port A1~A4 | Port A5~A8 | Port A9~B2 | Port B3~B6 | Port B7~C0 | | |

Default: No PS Telephone Blocks are assigned.

| | | | |
|------------|--------------|--------------|---------------------|
| LED Status | Off | On (Green) | On (Red) |
| Data | Not Assigned | IP Assigned) | Block Not Available |

Default is shaded, and no IP Phone Blocks are Assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Data option.
 -  LK Off – Not Assigned
 -  LK Green – Block Assigned for IP Phone
 -  LK Red – Block not available for IP Phone
- 4 Press  to go to the next page.
Press  to return to the previous page.
- 5 Press  to write the data. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 7-1 | Card Interface Slot Assignment |
| 1-2-04 | Call Arrival Key Block Assignment |
| 1-2-21 | PS Telephone Block Assignment |
| 1-2-33 | IP Telephone Block Assignment Allow/Deny Selection |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-40 | LCR Class Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |
| 4-56 | SMDR Telephone Print Selection |
| 4-67 | IP Station Number Assignment |



Notes



1. The Electra Elite IPK Basic port package allows up to 30 IP Telephones to be installed using dedicated ports 73~104.
2. The maximum station port capacity for the Electra Elite IPK Expanded port package is reduced by the number of IPC IP Telephones assigned by this Memory Block in groups of four.
3. The Electra Elite IPK Expanded port package allows a maximum of 120 ports to be shared by station ports (ESI, SLI, OPX, FMS/VMS, etc.), Call Arrival Keys, PS Telephones, and IP Telephones. When 32 stations are used as IP Telephones, 88 station ports remain for use by the Legacy system.

1-2-33 IP Telephone Block Assignment Allow/Deny Selection

System Mode

1

Submode

2

Data No.

33

PC Programming

Alt **+AH**

General Description

Use this Memory Block to designate whether or not Memory Block 1-2-32 (IP Telephone Block Assignment) is used. When this Memory Block is set to YS (Allow), Memory Block 1-2-32 can be used to assign IP Telephones to connect to the IPCA()-U() ETU to use resources from the CPUI()-U() (Legacy system). When this Memory Block is set to NO (Deny), Memory Block 1-2-32 cannot be assigned.

System Software R2500 is required.

Display





| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 33 | IP ASSIGN | YS |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-----------|------|------|------|------|------|------|
| YS (Allow) | NO (Deny) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card interface Slot Assignment |
| 1-2-04 | Call Arrival Key Block Assignment |
| 1-2-21 | PS Telephone Block Assignment |
| 1-2-32 | IP Telephone Block Assignment |
| 1-5-13 | Printer Connected Selection |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-40 | LCR Class Selection |
| 4-47 | ISDN Directory Number Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |
| 4-56 | SMDR Telephone Print Selection |
| 4-62 | ISDN-PRI Directory Number Selection |
| 4-67 | IP Station Number Assignment |

**Notes**

When Memory Block 1-2-32 (IP Telephone Block Assignment) has data (Blocks) assigned, this Memory Block cannot be changed to NO (Deny).

1-2-34 *Expanded Station Number Assignment*

General Description


Use this Memory Block to assign the lead digits when more than 4-digit station numbers are used.

System Software R2500 is required.

Display



Programming Procedures

- Go off-line.
- Press LK1 + LK2 + **3** **4** to access the Memory Block.
- Enter data using the dial pad.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data
 - 2, 3, or 4 digit Blank (Not Specified)
 - 5 digit 1~8
 - 6 digit 10~89
 - 7 digit 100~899
- Press **Transfer** to write data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

System Mode

1

Submode

2

Data No.

34

PC Programming

Alt + **BTS**

Default Values

Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Assignment |
| 1-8-26 | Voice Mail Quick Transfer Master Hunt Number |
| 4-10 | Station Number Assignment |

**Notes**

The setting data depends on the assignment in Memory Block 1-2-03.

| | |
|-----------------------|-------------------------------|
| For 2, 3, or 4 digits | Blank (Not Assigned) |
| For 5 digits | 1~8 (Assign one digit) |
| For 6 digits | 10~89 (Assign two digits) |
| For 7 digits | 100~899 (Assign three digits) |

1-3-01 Bounce Protect Time Selection

General Description

Use this Memory Block to specify a time for detection of a valid off-hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new off-hook indication from a Single Line Telephone or Voice Mail system.

Display

| Data No. | Title | Setting Data | Page No. |
|-----------------------|---------|--------------|----------|
| 01 | B N C E | 3 0 0 m s | 1 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|-------|-------|-------|-------|-------|-------|-------|
| 0ms | 100ms | 200ms | 300ms | 400ms | 500ms | 600ms | 700ms |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|-------|--------|--------|--------|--------|--------|--------|
| 800ms | 900ms | 1000ms | 1100ms | 1200ms | 1300ms | 1400ms | 1500ms |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 1-3-05 | Hookflash Start Time Selection |

System Mode
1

Submode
3

Data No.
01

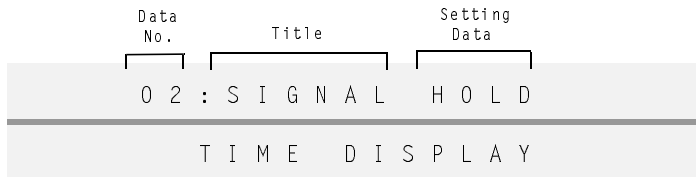
PC Programming
Alt + BTI

1-3-02 SLT Hookflash Signal Selection

General Description

Use this Memory Block to specify whether a line is held internally, or when behind a PBX, a hookflash (HF) signal is sent to the line when a Single Line Telephone user performs a hookflash.

Display



System Mode
1

Submode
3

Data No.
02

PC Programming
Alt + BTI

Settings

| | | | | | | | |
|------|-------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| HOLD | FLASH | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 1-1-02 | Hookflash Time Selection |
| 4-24 | SLT Hookflash Assignment |

Notes

1. When Hold is specified, the CO/PBX line is put on Exclusive Hold.
2. When Hold is selected, the PBX/CTX line can receive the hookflash signal using Access Code **6#** (default).
3. When Flash is specified, press the hookswitch to send the hookflash signal to the PBX/CTX line.

1-3-03 *First Digit PBR Release Time Selection*

System Mode
1

Submode
3

Data No.
03

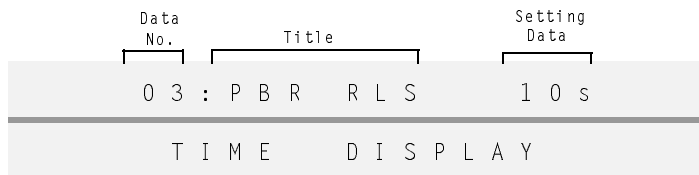
PC Programming
Alt **+BTI**

General Description

Use this Memory Block to specify the time a Push Button Receiver (PBR) circuit is connected when a dual-tone multifrequency (DTMF) Single Line Telephone user goes off-hook. After the time expires, the PBR is disconnected. When the Single Line Telephone user dials a digit before the time expires, a PBR interdigit time starts.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 10s | 20s | 30s | 40s | 50s | 60s | | |

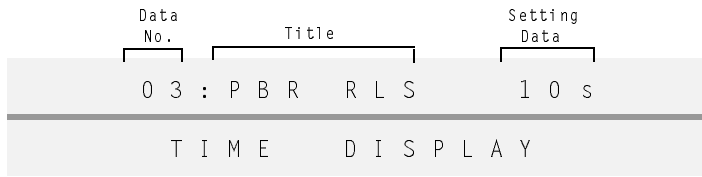
The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK3 + 0_{OPER} 3_{DEF} to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
01s–99s (e.g., 05s =5s)
- 4 Press  to write the data and display the next memory block.
- 5 Program the next memory block, or press  to go back on-line.

Default Values
10s

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-8-10 | PBR Interdigit Release Time Selection |
| 4-95 | DTMF/DP SLT Type Selection |

Notes

R3000 or higher is required to adjust this memory block by 1-second intervals.

1-3-04 Dial 1 (DP) Hookflash Selection

General Description

Use this Memory Block to specify whether or not a dial pulse (DP) Single Line Telephone provides a hookflash signal when the user presses 1 during an intercom or CO/PBX call.

Display



System Mode
1

Submode
3

Data No.
04

PC Programming
Alt + BTI

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + **0** (OPER) **4** (CH) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------------|
| 4-90 | SLT Data Line Security Assignment |
| 4-95 | DTMF/DP SLT Type Selection |

1-3-05 Hookflash Start Time Selection

General Description

Use this Memory Block to specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.

Display

| Data No. | Title | Setting Data | Page No. |
|-----------------------|---------|--------------|----------|
| 05 | FLSH ST | 290 | 1 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
3

Data No.
05

PC Programming
Alt +BTI

Settings

Page 1







| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 40 | 90 | 140 | 190 | 240 | 290 | 340 | 390 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 440 | 490 | 540 | 590 | 640 | 690 | 740 | 790 |

The shaded selection is the default. The times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 Press  to cycle between pages.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------------------|
| 1-3-01 | Bounce Protect Time Selection |
| 1-3-06 | Hookflash End Time Selection |

Notes

Press hookswitch during CO/PBX call to place the line on hold or send hookflash to CO/PBX.

1-3-06 Hookflash End Time Selection

General Description

Use this Memory Block to specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.

Display

| Data No. | Title | Setting Data | Page No. |
|-----------------------|-----------|--------------|----------|
| 06 | FLASH END | = 07 | 1 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 00 (HST + 0 ms.) | 01 (HST + 100 ms.) | 02 (HST + 200 ms.) | 03 (HST + 300 ms.) | 04 (HST + 400 ms.) | 05 (HST + 500 ms.) | 06 (HST + 600 ms.) | 07 (HST + 700 ms.) |






The shaded selection is the default.

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 08 (HST + 800 ms.) | 09 (HST + 900 ms.) | 10 (HST + 1000 ms.) | 11 (HST + 1100 ms.) | 12 (HST + 1200 ms.) | 13 (HST + 1300 ms.) | 14 (HST + 1400 ms.) | 15 (HST + 1500 ms.) |

HST =
Hookflash
Start Time.

Programming Procedures

- Go off-line.
- Press LK1 + LK3 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
Press  to cycle between pages.
- Press  to write the data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.


Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 1-3-05 | Hookflash Start Time Selection |

System Mode
1

Submode
3

Data No.
06

PC Programming
 **+BTI**

1-3-07 Voice Mail Digit Add Assignment

General Description

Use this Memory Block to assign up to four digits in front of the station number sent to the voice mail when a call is forwarded.

Display



System Mode
1

Submode
3

Data No.
07

PC Programming
Alt **+AV**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 - ~ to enter numeric data
 - + to enter *
 - + to enter #
 - Setting Data: 0~9, *, #
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

All Blank

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 4-35 | Voice Mail/SLT Selection |

1-3-08 *Voice Mail DTMF Delay Time Selection*

General Description

Use this Memory Block to specify the delay time before dual-tone multifrequency (DTMF) tones are sent from Voice Mail Interface (VMI) ports.

Display

| Data No. | Title | Setting Data |
|-----------------------|---------------|--------------|
| 08 | V M D E L A Y | = 1 s |
| T I M E D I S P L A Y | | |

System Mode
1

Submode
3

Data No.
08





PC Programming
Alt + AV

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0s | 1s | 2s | 3s | 4s | 5s | 6s | 8s |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 4-35 | Voice Mail/SLT Selection |



Notes



This Memory Block applies to both digital voice mail and analog voice mail ports.

1-3-09 Voice Mail Disconnect Time Selection

System Mode
1

Submode
3

Data No.
09

PC Programming

Alt **+AV**

General Description

Use this Memory Block to specify the time a disconnect signal is sent to the voice mail system.

Display

| Data No. | Title | Setting Data |
|-----------------------|-------------------|--------------|
| 09 | : V M D S C O N = | 1 . 5 s |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0.5s | 1.0s | 1.5s | 2.0s | 3.0s | 3.5s | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + 0 9 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 4-35 | Voice Mail/SLT Selection |

1-3-10 Voice Mail DTMF Duration/Interdigit Time Selection

System Mode
1

Submode
3

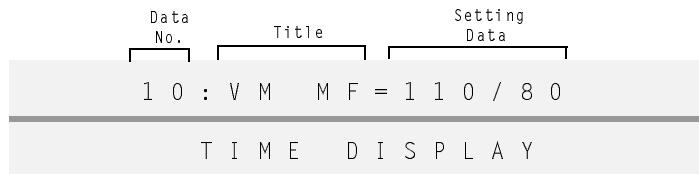
Data No.
10

PC Programming
Alt + AV

General Description

Use this Memory Block to specify dual-tone multifrequency (DTMF) duration and interdigit time for voice mail.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|--------|---------|---------|---------|------|------|------|
| 60/70 | 110/80 | 410/100 | 610/100 | 810/190 | | | |

The shaded selection is the default for Duration and Interdigit Time. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + to access the Memory Block.
- 3 Press the corresponding CO/PBX key to change data option.
- 4 Press to write the data and advance to the next Memory Block.
- 5 Press to go back on-line.

Default Values

Duration time: 110 ms.
Interdigit Time: 80 ms.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 4-35 | Voice Mail/SLT Selection |

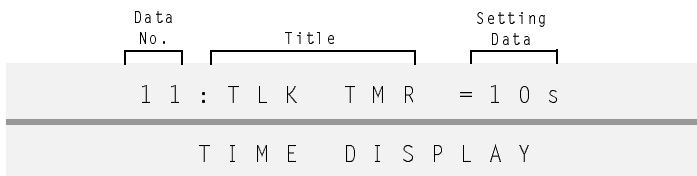
1-3-11 SLT/PS II Talk Start Timer

General Description

Use this Memory Block to assign the time needed after a hookflash and dialing before three-party (two COs and one SLT) line conference is allowed from a Single Line Telephone or PSII.

System Software R2000 or higher is required.

Display



System Mode
1

Submode
3

Data No.
11

PC Programming
Alt + BTI

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + (7) (7) to access the Memory Block.
- 3 Use the dial pad to enter data.
 - ✎ Use the following to enter data:
 - (0) ~ (9) to enter numeric data
 - (*) to move the cursor left
 - (#) to move the cursor right
 - Setting Data: 01~99 sec
- 4 Press (Transfer) to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press (Speaker) to go back on-line.

Default Values

10 sec

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 3, LK 5 |
| 3-04 | Trunk-to-Trunk Transfer Yes/NO Selection |
| 4-17 | Station to Class of Service Feature Assignment |

**Notes**

1. This Memory Block applies only to trunks without answer supervision (*i.e.*, loop or ground start).
2. A hookflash before this timer or far end answer detection, drops the new call and returns to the original call.
3. A hookflash after this timer or far end answer detection results in a three-party Conference call (two COs and one Single Line Telephone).
4. A blind transfer can be performed anytime by hanging up after making the second call.

1-3-12 *SLT/ISDN TELCO Account Codes Allow/Deny Selection*

System Mode
1

Submode
3

Data No.
12

PC Programming
Alt + BTI

General Description

Use this Memory Block to specify when ISDN (PRI/BRI) circuits have account codes set up by TELCO that must be entered by Single Line Telephone users.

R3000 or higher is required.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK3 + to access the Memory Block.
- 3 Press the corresponding CO/PBX key to change data option.
- 4 Press to write the data and advance to the next Memory Block.
- 5 Press to go back on-line.

1-4-00 Tandem Transfer Automatic Disconnect Time Selection

General Description

Use this Memory Block to specify maximum time, in minutes, before the system automatically disconnects a Trunk-to-Trunk connection.

Display

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 00 | AUTO DIS | 060 |
| TIME DISPLAY | | |

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 4 |
| Data No. | 00 |
| PC Programming | Alt +AT |

Programming Procedures

- Go off-line.
- Press LK1 + LK4 to access the Memory Block.
- Use the dial pad to enter data.
 - Use the following to enter data:
 - ~ to enter numeric data
 - to move cursor left
 - to move the cursor right
 - Setting Data: 001~999 Minutes
000 No Limit
 - to clear Data
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes



This block is used for Direct Inward System Access (DISA), Trunk-to-Trunk Transfer, Call Forward – Off-Premise, and Tie line tandem features.

1-4-01 Automated Attendant First Digit PBR Release Time Selection

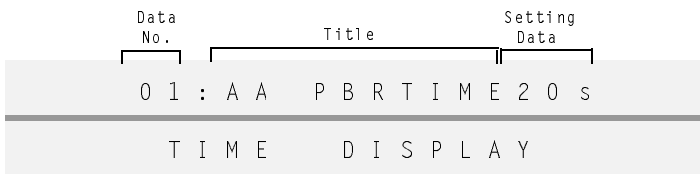
| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 4 |
| Data No. | 01 |
| PC Programming | Alt +AU |

General Description

Use this Memory Block to specify the time a Push Button Receiver (PBR) remains connected after the Automated Attendant message is played when a calling party calls in through an Automated Attendant trunk.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 5s | 10s | 20s | 30s | 40s | 50s | 60s | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * 7 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 01 | AA PBRRLS | 20s |
| TIME DISPLAY | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + + to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
01s–99s (e.g., 02s = 2s)
- 4 Press to write the data and display the next memory block.
- 5 Program the next memory block, or press to go back on-line.

Default Values
20s

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. After PBR is connected, dialing must be completed in the specified time. After the first digit is dialed, interdigit time (default 7 sec.) controls the PBR time. Dialing the third digit exceeds the 20 sec. default, and the PBR is disconnected.
2. **R3000 or higher** is required to adjust this memory block by 1-second intervals.

1-4-02 Automated Attendant Transfer Delayed Ringing Time Selections

System Mode
1

Submode
4

Data No.
02

PC Programming
Alt +AU

General Description

Use this Memory Block to specify the time that a call rings at the destination station before the automated attendant rings a programmed station.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display



Settings

| | | | | | | | |
|------|------|------|-----------------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 10s | 20s | 30s | ∞ (No Limit) | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * (2) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
- 4 Press (Transfer) to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press (Speaker) to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|----------|-----------------|--------------|
| 02 | AADLYRNG | 1 | = 00s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + ***** + **2** to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
00s~99s (e.g., 02s = 2s)
- 4 Press **Transfer** to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press **Speaker** to go back on-line.

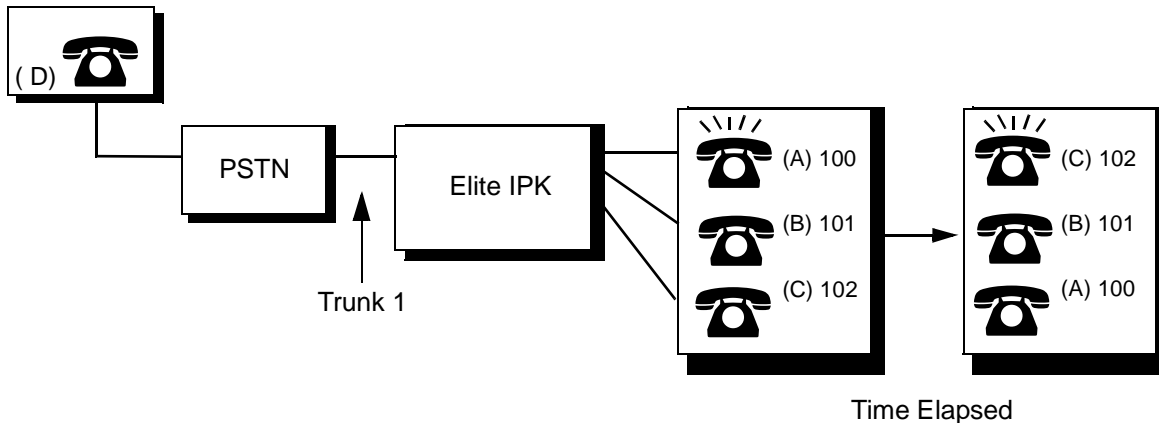
Default Values
Class 1~4 = 00s
00s = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

Notes

Example:



In this example, Public Switching Telephone Network (PSTN) and the system are connected by Trunk 1. Stations A (extension 100) and C (extension 102) are ring assigned to Trunk 1. Trunk 1 is assigned to Automated Attendant trunk.

1. To speak to station user A, the outside user D dials the telephone number for TRUNK 1, confirms the Automated Attendant message, and dials extension 100.
 2. In the example at station A:
 - ✎ The ICM LED blinks and a ring tone that is different from the normal ringing tone is heard.
 - ✎ The call can be answered by lifting the handset.
 - ✎ Station users B and C cannot press the line key on the Multiline Terminals to answer the call.
 3. In the example, if station user A does not answer in the specified time:
 - ✎ The ringing tone changes to the normal tone and station C starts ringing.
 - ✎ Any station (A, B, or C) user can press the flashing line key to answer the call.
 4. Select ∞ (No Limit) to disable this feature.
1. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
 2. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the Automated Attendant Transfer Delayed Ringing Time Selection is reset to the default value during the upgrade process.

1-4-03 *Automated Attendant No Answer Disconnect Time Selection*

General Description

Use this Memory Block to specify the time the Automated Attendant rings a station before the caller is automatically disconnected.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)

| Data No. | Title | Setting Data |
|-----------------------|--------|--------------|
| 03 | AA DIS | 2 m |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1m | 2m | 3m | 4m | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * (3_{off}) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

System Mode
1

Submode
4





Data No.
03

PC Programming
Alt +AU

Display (R3000 or higher)

| Data No. | Title | Setting Data |
|--------------|---------|--------------|
| 03 | AA DISC | 120s |
| TIME DISPLAY | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 +  +  to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
001s~255s (e.g., 180s =3min)
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block, or press  to go back on-line.

Default Values
120s

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

**Notes**

1. When the called party does not answer in the programmed time, the call is dropped.
2. **R3000 or higher** is required to adjust this Memory Block by 1-second intervals.

1-4-04 Tandem Transfer SMDR Print Extension Assignment

General Description

Use this Memory Block to specify a special number to be output from Station Message Detail Recording (SMDR) to indicate an automatic trunk-to-trunk transfer.

Display

| Data No. | Title | Setting Data |
|--------------|----------|--------------|
| 04 | TAND EXT | = 999 |
| TIME DISPLAY | | |

System Mode

1

Submode

4



Data No.

04


PC Programming


Alt +AT

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 +   to access the Memory Block.
- 3 Use the dial pad to enter the Table Number and Setting Data.

 Use the following to enter data:

 to move the cursor left



 to move the cursor right

Setting Data (Allowed):

2-Digit Number: 10~89

3-Digit Number: 100~899

4-Digit Number: 1000~8999

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

3-digit number = 999

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-2-03 | 2-, 3-, or 4-Digit Station Number Selection |



Notes



1. When the system is powered up initially, this Memory Block defaults to 3-digit number 999.
2. When 2-digit station numbers are selected, this Memory Block defaults to 99.
3. When 4-digit station numbers are selected, this Memory Block defaults to 9999.

1-4-05 Automatic Tandem Trunk by Night Mode Selection

System Mode
1

Submode
4

Data No.
05

PC Programming
Alt +AT

General Description

Use this Memory Block to specify whether or not the Automatic Trunk-to-Trunk Transfer feature follows the Night Mode assignment.

Display

| Data No. | Title | Setting Data |
|-----------------------|-----------------|--------------|
| 05 | T A N D B Y N T | N O |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + ***** **5** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-27 | Automatic Day/Night Mode Switching Time Assignment |
| 1-1-33 | Speed Dial Number/Name Display Selection |
| 3-05 | Trunk Incoming Answer Mode Selection |
| 3-06 | Automatic Tandem Trunk Assignment |

1-4-08 Automated Attendant PBR Timeout Response Selection

General Description

Use this Memory Block to specify how a call answered by the Automated Attendant should be processed when a dual-tone multifrequency (DTMF) tone is not received.

Display

| Data No. | Title | Setting Data |
|--------------|--------|--------------|
| 08 | AA RES | NORMAL |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------|--------|------|------|------|------|------|------|
| NORMAL | RELEAS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + \ast $\left(\frac{8}{TVV}\right)$ to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press $\left(\text{Transfer}\right)$ to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press $\left(\text{Speaker}\right)$ to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes




1. When NORMAL is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant Push Button Receiver (PBR) Release Time (20-second default), the system rings selected stations using Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)] or Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)].
2. When RELEAS is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant PBR Release Time (20-second default), the system drops the call after 30 seconds regulated by a fixed time.

1-4-09 Automated Attendant PBR Start Time Selection

System Mode
1

Submode
4

Data No.
09

PC Programming
 **+AU**

General Description

Use this Memory Block to specify whether the Push Button Receiver (PBR) can receive dual-tone multifrequency (DTMF) signaling while the Automated Attendant is sending the message or after the message is complete.

Display







Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| FR | AF | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
Setting Data:
FR: While the Automated Attendant sends the message.
AF: After the Automated Attendant sends the message.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes



When FR is assigned, the Automated Attendant message send start time and the PBR connected to Automated Attendant trunk start time are the same.

1-4-11 Automated Attendant Message Day/ Night Mode Selection

System Mode
1

Submode
4

Data No.
11

PC Programming
Alt +AU

General Description

Use this Memory Block to specify whether or not Automated Attendant messages can be used in a Day/Night Mode setting.

Display

| Data No. | Title | A.A. Msg. NO. 1~8 | Day/Night Mode | Setting Data |
|-----------------------|---------------|-------------------|----------------|--------------|
| 1 1 | : A A M S G 1 | (D Y) | = | N O |
| T I M E D I S P L A Y | | | | |

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option for AA MSG1 in DY (Day) Mode.
 - Use the following to enter data:
 - ~ to enter numerical data
 - to toggle between Day Mode and Night Mode
- 4 Press to write the data, and display the next message.
- 5 Repeat steps 3 and 4 for all eight messages. The next Memory Block is displayed.
- 6 Return to this Memory Block, toggle to select NT (Night) and repeat Steps 3, 4, and 5 for all messages for night Mode. The next Memory Block is displayed.
- 7 Program the next Memory Block or press to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

1-4-12 Automated Attendant Message to Tenant Assignment

General Description

Use this Memory Block to assign Automated Attendant Messages to a Tenant.

Display

| Data No. | Title | AA MSG (1~8) | Setting Data |
|-----------------------|-------|--------------|--------------|
| 1 2 | : A A | 1 T N A T | = 0 0 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
4

Data No.
12

PC Programming
Alt +AU

Programming Procedures

- Go off-line.
- Press LK1 + LK4 + * * 1 2 to access the Memory Block.
- Use the dial pad to change the Tenant for AA MSG1.
0 ~ 9 to enter Tenant Number
- Press Transfer to write the data, and advance to the next message.
- Repeat Steps 3 and 4 for all AA messages. The next Memory Block is displayed.
- Program the next Memory Block or press Speaker to go back on-line.

Default Values

All Automated Attendant Messages:
Tenant No. 00

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes



When a tenant is not assigned to a specific automated message, the Automated Attendant sends the message assigned in Memory Block 1-4-11 (Automated Attendant Message Day/Night Mode Selection).

1-4-13 Automated Attendant Answer Delay Time Assignment

General Description

Use this Memory Block to specify the time, in seconds, before the Automated Attendant answers an incoming CO/PBX call.

Display

| Data No. | Title | AA MSG. (1~8) | Setting Data |
|-----------------------|--------|---------------|--------------|
| 13 | AADLY1 | 1 | = 04 s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK4 + to access the Memory Block.
- Use the dial pad to enter the delay time for AA MSG. 1.
 ~ to enter number of seconds
- Press to write the data, and advance to the next AA MSG.
- Repeat Steps 3 and 4 for all messages. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

System Mode

1

Submode

4

Data No.

13

PC Programming

+AU

Default Values

All Automated Attendant Messages:
4 sec.

1-4-14 Automated Attendant Message Access Code (1-Digit) Assignment

System Mode
1

Submode
4

Data No.
14

PC Programming
Alt +AU

General Description

Use this Memory Block to specify a 1-digit code to route an incoming call from the Automated Attendant.

Display

| Data No. | Title | DIAL. AA MSG. No. (1~8) (0~9) | Function Code |
|-----------------------|---------|-------------------------------------|---------------|
| 14 | : AA AC | 1-0 | = 030 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + to access the Memory Block.
- 3 Use the dial pad to enter function code for AA MSG. 1, Dial No. 0.
Use ~ to enter the function code.

Setting Data (Allowed):
Function Code 001~053
000 is unused.

Default Values

| Dial Number | Function Code | Contents |
|-------------|---------------|----------------------------|
| 0 | 030 | Specified Station Call (0) |
| 1 | 010 | Station Number |
| 2 | 010 | Station Number |
| 3 | 010 | Station Number |
| 4 ~ 9 | 000 | Unregistered |

- 4 Press to write the data and advance to the next dial number.
- 5 Repeat Steps 3 and 4 for each Dial No. AA MSG. 2, Dial No. 0 is displayed.
- 6 Repeat Steps 3 and 4 for each Dial No. AA MSG. 3, Dial No. 0 is displayed.
- 7 Continue this cycle for all Dial NOs. for all messages. The next Memory Block is displayed.
- 8 Program the next Memory Block or press to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

**Notes**

1. Function 011 (Bypass Automated Attendant) uses Memory Blocks 4-01 [CO/PBX Ring Assignment (Day Mode)] and 4-02 [CO/PBX Ring Assignment (Night Mode)] to ring according to those assignments.
2. Functions 015~016 (Ring Internal Paging Zone A/B/C) require assigning the following to ring the desired station:
Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)]
Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)]
Memory Block 4-93 (Internal Zone Paging Selection).
3. When a caller receives a busy signal after being transferred by the Automated Attendant, the following Fixed Access Codes apply:
 - ① Step Call
 - * Receive a second dial tone
 - # CO rings based on Day/Night Ring Assignment.

| Function Code | Contents | Function Code | Contents |
|---------------|----------------------------------|---------------|--|
| 000 | Unregistered | 027 | Not Used |
| 001 | Automated Attendant Message (1) | 028 | Not Used |
| 002 | Automated Attendant Message (2) | 029 | Not Used |
| 003 | Automated Attendant Message (3) | 030 | Specified Station Call (00) Refer to Memory Block 1-2-08 (Specified Station Access Code Assignment). |
| 004 | Automated Attendant Message (4) | 031 | Specified Station Call (01) |
| 005 | Automated Attendant Message (5) | 032 | Specified Station Call (02) |
| 006 | Automated Attendant Message (6) | 033 | Specified Station Call (03) |
| 007 | Automated Attendant Message (7) | 034 | Specified Station Call (04) |
| 008 | Automated Attendant Message (8) | 035 | Specified Station Call (05) |
| 009 | Not Used | 036 | Specified Station Call (06) |
| 010 | Internal Number (Station Number) | 037 | Specified Station Call (07) |
| 011 | Bypass Automated Attendant | 038 | Specified Station Call (08) |
| 012 | Not Used | 039 | Specified Station Call (09) |
| 013 | Not Used | 040 | Specified Station Call (10) |
| 014 | Not Used | 041 | Specified Station Call (11) |
| 015 | Ring Internal Paging Zone A | 042 | Specified Station Call (12) |
| 016 | Ring Internal Paging Zone B | 043 | Specified Station Call (13) |
| 017 | Ring Internal Paging Zone C | 044 | Specified Station Call (14) |
| 018 | Not Used | 045 | Specified Station Call (15) |
| 019 | Not Used | 046 | Specified Station Call (16) |
| 020 | DSS 1 Call | 047 | Specified Station Call (17) |
| 021 | DSS 2 Call | 048 | Specified Station Call (18) |
| 022 | DISA Access Code | 049 | Specified Station Call (19) |
| 023 | Not Used | 050 | Specified Station Call (20) |
| 024 | Not Used | 051 | Specified Station Call (21) |
| 025 | Not Used | 052 | Specified Station Call (22) |
| 026 | Not Used | 053 | Specified Station Call (23) |

1-4-15 Automated Attendant Message Access Code (2-Digit) Assignment

System Mode
1

Submode
4

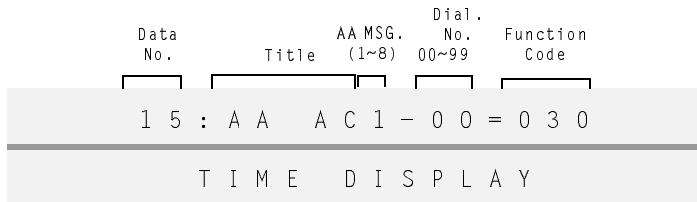
Data No.
15

PC Programming
Alt +AU

General Description

Use this Memory Block to specify a 2-digit code to route an incoming call from the Automated Attendant.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * * 7 5 to access the Memory Block.
- 3 Use the dial pad to enter Function Code for MSG. 1, Dial No. 00.



Use the following to enter data:

- 0 (OPRN) ~ 8 (TUV) to enter Automated Attendant message number
- 0 (OPRN) ~ 9 (WSTZ) to enter Dial No.

Default Values

| Dial No. | Func. Code | Contents |
|----------|------------|----------------------------|
| 00 ~ 50 | 030 | Specified Station Call (0) |
| 51 | 011 | Bypass Automated Attendant |
| 52 | 015 | Paging Zone A Call |
| 53 | 016 | Paging Zone B Call |
| 54 | 017 | Paging Zone C Call |
| 55 ~ 99 | 000 | Not Used |

- 4 Press Transfer to write the data and to advance the Dial No.
- 5 Repeat Steps 3 and 4 for each Dial No. Message 2, Dial No. 00 is displayed.
- 6 Continue this cycle until the Dial number function codes are assigned to all AA MSGs. The next Memory Block is displayed.
- 7 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes



To use default 52~54, ringing must be assigned in Memory Blocks 4-01 [CO/PBX Ring Assignment (Day Mode)] or 4-02 [CO/PBX Ring Assignment (Night Mode)].

1-4-16 Automated Attendant Message Repeat Selection

System Mode
1

Submode
4

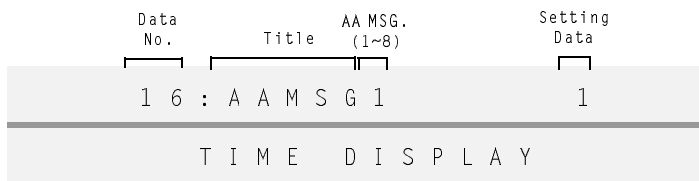
Data No.
16

PC Programming
Alt +AU

General Description

Use this Memory Block to specify the number of times a message from the Automated Attendant Is repeated to the calling party.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * * 7 6 (MEMO) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the number of times a message is repeated.
- 4 Press **Transfer** to write the data and advance to next AA MSG.
- 5 Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All Messages One Time

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

1-4-17 Automated Attendant Delay Announcement Hold Tone Selection

System Mode

1

Submode

4

Data No.

17

PC Programming

Alt **+AU**

General Description

Use this Memory Block to specify the tone to be sent to the outside party after the Automated Attendant Delay Announcements are played.

Display

| Data No. | Title | Setting Data |
|--------------|---------|--------------|
| 17 | AA HOLD | RBT |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| RBT | MOH | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK4 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
Example: To change Ringback tone to Music On Hold, press CO/PBX LK2.
- Press to write the data and advance to the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-4-18 | Automated Attendant Delay Announcement Assignment |
| 1-4-19 | Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection |
| 1-4-20 | Automated Attendant Delay Announcement Disconnect Time Selection |

1-4-18 Automated Attendant Delay Announcement Assignment

System Mode
1

Submode
4

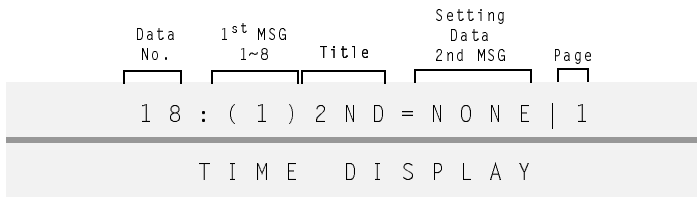
Data No.
18

PC Programming
Alt + **AU**

General Description

Use this Memory Block to specify the order for the Automated Attendant messages that are played in Delayed Announcement Mode.

Display



Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NONE | MSG1 | MSG2 | MSG3 | MSG4 | MSG5 | MSG6 | MSG7 |

Page 2

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| MSG8 | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK4 + * * 7 8 to access the Memory Block.
- Press the corresponding CO/PBX line key to change the 2nd MSG for 1st MSG 1.
 - Use the following to enter data:
 - * to move the cursor left
 - # to move the cursor right
 - 0 ~ 9 to enter numeric data
 - Recall to toggle between pages
- Press Transfer to write the data and advance to the next 1st MSG.
- Repeat Steps 3 and 4 for each 1st MSG. The next Memory Block is displayed.
- Program the next Memory Block or press Speaker to go back on-line.

Default Values

1st MSG No. 1~8: Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-4-19 | Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection |
| 1-4-20 | Automated Attendant Delay Announcement Disconnect Time Selection |

1-4-19 Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection

| | |
|----------------|-----------------|
| System Mode | 1 |
| Submode | 4 |
| Data No. | 19 |
| PC Programming | Alt + AU |

General Description

Use this Memory Block to specify the time, in seconds or minutes, between the Automated Attendant Delay Announcement messages.

Display

| Data No. | Title | Setting Data | Page |
|--------------|---------|--------------|------|
| 19 | 1STINTR | 4m | 1 |
| TIME DISPLAY | | | |

Settings

Page 1


| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0s | 10s | 20s | 30s | 1m | 2m | 3m | 4m |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 5m | 10m | 20m | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * * 7 9 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the interval time.
Example: To change 4 minutes to 10 seconds, press CO/PBX LK2.
 Press Recall to toggle between pages.
- 4 Press Transfer to write the data and advance to the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Default Values
4 minutes

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-4-18 | Automated Attendant Delay Announcement Assignment |
| 1-4-20 | Automated Attendant Delay Announcement Disconnect Time Selection |

1-4-20 Automated Attendant Delay Announcement Disconnect Time Selection

System Mode
1

Submode
4

Data No.
20

PC Programming
Alt + **AU**

General Description

Use this Memory Block to establish the time, in seconds or minutes, the Automated Attendant rings the station before disconnecting the caller. This Memory Block only applies when the Automated Attendant is set to Delay Announcement Mode.

Display

| Data No. | Title | Setting Data | Page |
|--------------|------------|--------------|------|
| 20 | : 2ND INTR | 30s | 1 |
| TIME DISPLAY | | | |

Settings

Page 1


| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0s | 10s | 20s | 30s | 1m | 2m | 3m | 4m |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 5m | 10m | 20m | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK4 + * * 2 ARC 0 OPER to access the Memory Block.
- Press the corresponding CO/PBX line key to change the disconnect time.
Example: To change 30 seconds to 10 seconds, press CO/PBX LK2.
 Press Recall to toggle between pages.
- Press Transfer to write the selected data and advance to the next Memory Block.
- Program the next Memory Block or press Speaker to go back on-line.

Default Values

30 seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-4-18 | Automated Attendant Delay Announcement Assignment |
| 1-4-19 | Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection |

1-4-21 Automated Attendant Extension Number Assignment

General Description

Use this Memory Block to specify the Automated Attendant message to be played when a DID call is received.

Display

| Data No. | Title | AA MSG 1~8 | Setting Data |
|-----------------------|--------|------------|--------------|
| 21 | AA MSG | 1 | = |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

4





Data No.

21

PC Programming




Alt + AU



Programming Procedures

- Go off-line.
- Press LK1 + LK4 +     to access the Memory Block.
- Enter Setting Data using the dial pad for AA MSG 1.



Use the following:

-  to move the cursor left
-  to move the cursor right
- ~ to enter numeric data
- 2-Digit Station Number: 10~89
- 3-Digit Station Number: 100~899
- 4-Digit Station Number: 1000~8999
-  to clear all data when cursor is at setting position

- Press  to write the data and advance to the next AA MSG.
- Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.
- Program the next Memory Block or press  to go back on-line.

Default Values

No Message Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-46,47 | Access Code (1-Digit, 2-Digit) Assignment |
| 1-2-03 | 2-, 3-, or 4-Digit Station Number Selection |



Notes



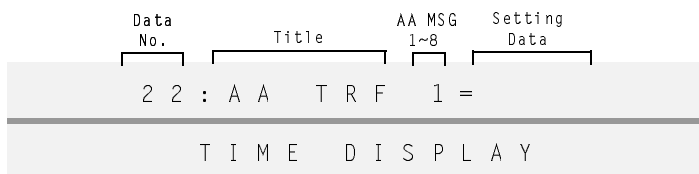
This number is the same as Extension Number, CAR key number, and ACD/UCD/SCD. Pilot number cannot be assigned.

1-4-22 Automated Attendant Direct Extension Ring Assignment

General Description

Use this Memory Block to specify the Automated Attendant message to be played for direct transfer to the extension number.

Display



System Mode
1

Submode
4

Data No.
22

PC Programming
Alt + AU

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + to access the Memory Block.
- 3 Use the Dial pad to enter Station Number for AA MSG 1.
 - Use the following:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - 2-Digit Station Number: 10~89
 - 3-Digit Station Number: 100~899
 - 4-Digit Station Number: 1000~8999
 - to clear all data when cursor is at setting position
- 4 Press to write the data and display the next AA MSG.
- 5 Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

Default Values

No Message Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-46,47 | Access Code (1-Digit, 2-Digit) Assignment |
| 1-2-03 | 2-, 3-, or 4-Digit Station Number Selection |

Notes

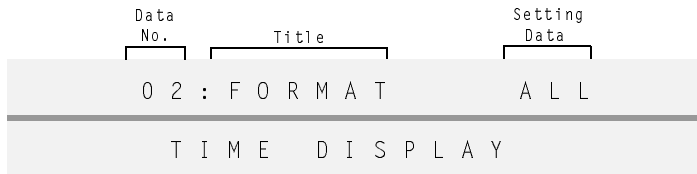
The CAR Number and AA number can also be assigned as Extension Number. When Extension Number is not assigned, the Memory Block 1-4-08 time is followed.

1-5-02 SMDR Print Format

General Description

Use this Memory Block to specify whether or not all digits are printed. When ALL is specified, all digits are printed. When MSK (Mask) is specified, the last four digits are masked and printed as XXXX.

Display



System Mode
1

Submode
5

Data No.
02

PC Programming
Alt +AS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| ALL | MSK | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK5 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

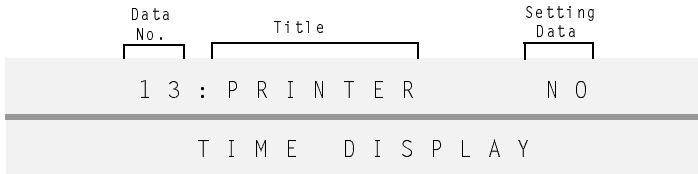
| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-5-13 | Printer Connected Selection |

1-5-13 Printer Connected Selection

General Description

Use this Memory Block to program printer connection. When the printer is not connected to the system, an alarm sounds at stations connected to Ports 01 and 02.

Display



System Mode
1

Submode
5

Data No.
13

PC Programming
Alt +AS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------|------------|---------|------|------|------|------|------|
| NO | PC | YES | | | | | |
| SMDR Off | CSV Format | SMDR On | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK5 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-5-02 | SMDR Print Format |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 1-8-36 | COM Port Parity/Stop Bit Setting Assignment |



Notes



When PC is assigned, the SMDR output data can be saved in a Comma-Separated Values (CSV) format file on a PC. The file can then be opened using PC software (*i.e.*, MS Excel) to analyze, filter, and/or sort the data.

1-5-14 Printer Line Feed Control Selection

System Mode
1

Submode
5

Data No.
14

PC Programming
Alt +AS

General Description

Use this Memory Block to specify the data format to be sent to the Station Message Detail Recording (SMDR) printer. When YS is set, a return is provided with the call record.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK5 + **7** **4** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------|
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |



Notes



Example: Settings to specify the format of communication data output to the printer.

- Line Feed control in effect.

07/03/92 09:00 08-05-12 OG 123
00:15:32 102885167537000 LCR FWD234
12345678

- No Line Feed control.

07/03/92 09:00 08-05-12 OG 123 00:15:32 10288516753700 LCR IWD234
12345678
(No Limit)

1-5-25 *SMDR Valid Call Time Assignment*

General Description

Use this Memory Block to assign the minimum call time before the Station Message Detail Recording (SMDR) outputs a record of the outgoing CO/PBX call.

Display

| Data No. | Title | Setting Data |
|----------|-------|--------------|
| 25 | SMDR | TIM = 040s |

T I M E D I S P L A Y

System Mode

1

Submode

5







Data No.

25

PC Programming

Alt **+AS**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK5 +   to access the Memory Block.
- 3 Use the dial pad to enter data.
 -  Minimum time assignment is 000 sec.
 -  Time assignment can be set from 000~099 sec. in increments of 10.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

040 seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-1-05 | Start Time Selection |
| 1-5-13 | Printer Connected Selection |

1-5-26 SMDR Incoming/Outgoing Print Selection

System Mode
1

Submode
5

Data No.
26

PC Programming
Alt +AS

General Description

Use this Memory Block to specify the call records to be output from the Station Message Detail Recording (SMDR): OUT = print outgoing call records only, INC = print incoming call records only, ALL = print incoming and outgoing call records.

Display

| Data No. | Title | Setting Data |
|--------------|-------------|--------------|
| 26 | PRINT MOD = | OUT |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| ALL | OUT | INC | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK5 + **2** **6** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-5-13 | Printer Connected Selection |

1-6-01 *Attendant Add-On Console to Telephone Port Assignment*

General Description

Use this Memory Block to assign an Attendant Add-On Console to a telephone port number.

Display

| Data No. | Title | DSS No. 1~4 | Data Setting |
|-----------------------|-------|-------------|--------------|
| 01 | DSS | 1 | P 01 |
| T I M E D I S P L A Y | | | |

| | |
|----------------|-----------------|
| System Mode | 1 |
| Submode | 6 |
| Data No. | 01 |
| PC Programming | Alt +BTD |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK6 to access this Memory Block.
- 3 Use the dial pad to enter the data.



Use the following to enter data:

- ⌘ to move the cursor left
- # to move the cursor right
- 0 (0P1-9) ~ 9 (9K1-9) to enter numeric data

- 4 Press **Transfer** to write the data and advance to the next DSS No.
- 5 Repeat Steps 3 and 4 for each DSS. The next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

| DSS | Tel Port No. |
|-----|--------------|
| 1 | 01 |
| 2 | 02 |
| 3 | 01 |
| 4 | 02 |

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------|
| 7-2 | Telephone Type Assignment |



Notes




1. The telephone with an Attendant Add-On Console connected must be specified by port number.
2. A maximum of four Attendant Add-On Consoles can be connected to a system.
3. A maximum of four Attendant Add-On Consoles can be connected to one telephone.

1-6-03 DSS Call Voice/Tone Signal Selection

System Mode
1

Submode
6

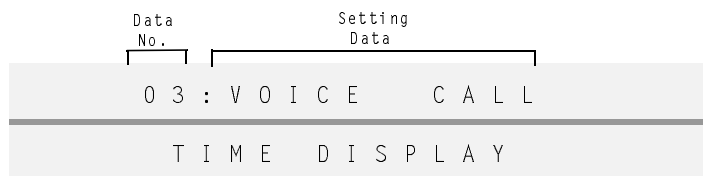
Data No.
03

PC Programming
 **+BTD**

General Description

Use this Memory Block to specify whether Voice or Tone signaling is to be used first when calling an extension from an Attendant Add-On Console.

Display



Settings

| | | | | | | | |
|------|-------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| TONE | VOICE | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK6 + * + * + 3 DEF .
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-6-01 | Attendant Add-On Console to Telephone Port Assignment |

Notes

1. To switch Voice/Tone signaling, dial 1 from a station.
2. When tone signaling is programmed in this Memory Block, the called party cannot answer handsfree unless the Direct Station Select (DSS) station user dials 1 to switch it to Voice.

1-6-05 Attendant Add-On Console Key Selection

System Mode
1

Submode
6

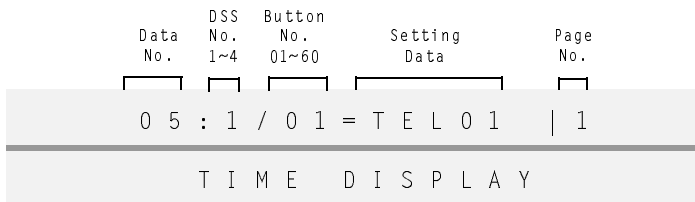
Data No.
05

PC Programming
Alt + BTD

General Description

Use this Memory Block to assign functions to the Attendant Add-On Console keys.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|-------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|
| NON | TEL01 (01~120) | INT A (Paging Zone) | INT B (Paging Zone) | INT C (Paging Zone) | INT ALL (Paging Zones) | EXT A (Paging Zone) | EXT B (Paging Zone) |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------------------|---------------------------|------------------|------------------------|-------------------|--|------|---------------------|
| EXT C (Paging Zone) | EXT ALL (Paging Zones) | MSG (Waiting) | NT MOD (Night Mode) | TRF (Transfer) | IN OUT (Attendant Station Outgoing Lockout) | | CO (Trunk 01~64) |

Shaded area indicates default.

Page 3

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------------|------------------|----------------------|----------------------|------------------------------|------------------------------|--------------------------------|------|
| VM (Live Record) | VB (Mail Box) | DPH 1 (Doorphone) | DPH 2 (Doorphone) | RELAY 0 (General Purpose) | RELAY 1 (General Purpose) | Call Park Keys (0~9 or 00~39) | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK6 + * + * + 5 (JKL) to access the Memory Block.

Programming Procedures (Continued)

3 Press the corresponding CO/PBX line key and dial pad keys to change the data option:

Functions can be assigned to keys 01~60 on Attendant Add-On Consoles 1~4.

Functions to be programmed:

- Station No. 01~120
- Internal Paging Zone A
- Internal Paging Zone B
- Internal Paging Zone C
- Internal Paging Zone ALL
- External Paging Zone A
- External Paging Zone B
- External Paging Zone C
- External Zone Paging ALL
- Message Waiting
- Night Mode Switching
- Transfer
- Attendant Station Outgoing Lockout
- CO (Trunk 01~64)
- Feature Access Key with Live Record
- Digital Voice Mail Mailbox Number
- DPH 1 & 2
- General Purpose Relay 0 and 1

DSS Key Number

| | | | | | |
|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 |
| 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 |

- 4 Press **Transfer** to write the data.
- 5 Repeat Steps 3 and 4 for all buttons for each DSS. The next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

| DSS No. | Key No. | Data Setting |
|---------|---------|------------------------------------|
| 1~4 | 01 | TEL No. 01 |
| | 02 | TEL No. 02 |
| | } | } |
| | 48 | TEL. No. 48 |
| | 49 | Night Mode Switching |
| | 50 | Internal Paging Zone A (INT A) |
| | 51 | Internal Paging Zone B (INT B) |
| | 52 | Internal Paging Zone C (INT C) |
| | 53 | All Internal Paging Zone (INT ALL) |
| | 54 | Vacant |
| | 55 | Message Waiting (MSG) |
| | 56 | External Paging Zone A (EXT A) |
| | 57 | External Paging Zone B (EXT B) |
| | 58 | External Paging Zone C (EXT C) |
| | 59 | External Paging Zone All (EXT ALL) |
| | 60 | Transfer (TRF) |



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** OPER ~ **9** WXYZ to enter numeric data
- Transfer** to write selected data
- Recall** to go to the next page
- Feature** to go to the previous page

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-6-01 | Attendant Add-On Console to Telephone Port Assignment |
| 7-2 | Telephone Type Assignment |

**Notes**

1. When TEL is assigned to a line key, the red LED is used to indicate Station Status.
2. When a function (e. g., Message or Paging) that does not require a green LED is assigned to a 2-color LED key, the green LED does not function.
3. Telephone number setting data for telephone sets is determined by the number of installed ESI(8)-U() ETUs.
4. Message Waiting and Attendant Station Outgoing Lockout cannot be assigned on the same console.
5. DSS/CO keys should be programmed on line keys 1~48 only.
6. The VM (Live Record) key with Live Record has seven features:

| Feature No. | Feature |
|--------------------|----------------------|
| 00 | Record Start |
| 01 | Record Pause/Restart |
| 02 | Record Erase |
| 03 | Record Finish |
| 04 | Record Erase/Restart |
| 05 | Pager |
| 06 | Record Confirmation |

Each function can be assigned by dialing the Feature No. using the dial pad after pressing LK1 on page 3.

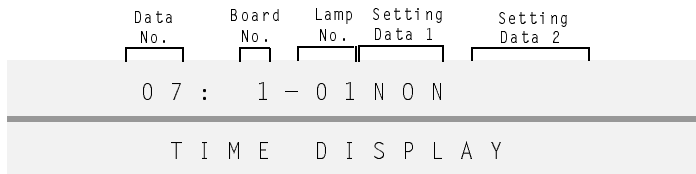
7. Digital Voice Mail Mailbox Number can be entered using two, three, or four digits of the Mailbox number on the dial pad. This feature is used for Live Record addressing. The Live Record feature must be assigned also to a line key on the console.
8. **R3000 or higher** is required to support Centralized BLF on the DSS Console. The Mail Box (Page 3, LK 2) key on the Attendant Add-On Console is used to support the BLF of the remote stations across K-CCIS.
9. **R4000 or higher** is required to support Call Park Keys.
10. When the system is set for 10 Call Park Locations, 0~9 are used. When the system is set for 40 Call Park Locations 00~39 are used to assign the Call Park keys. Refer to Memory Block 1-8-51 (Call Park Selection).

1-6-07 Message Board Lamp Assignment

General Description

Use this Memory Block to assign mailbox numbers for each Message Display Board.

Display



System Mode
1

Submode
6

Data No.
07

PC Programming
Alt + BTB

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------------|------|------|------|------|------|------|------|
| NON (Unassigned) | MSG | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK6 + + + to access the Memory Block.
- Press line key to select Setting Data 1. Use the dial pad to select Setting Data 2.
 - Use the following to enter data:
 - to move the cursor to the left
 - to move the cursor to the right
 - ~ to enter numeric data
 - to clear all data
 - Setting Data 2: Mailbox No.
 - 2-digits 10 ~ 89
 - 3-digits 100 ~ 899
 - 4-digits 1000 ~ 8999
- Press to write the selected data. The next Lamp No. is displayed. After all 48 lamps are assigned, the next Board No. is displayed.
- Repeat Steps 3 and 4 for each lamp (01~48) and for each board (1~8). The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------|
| 7-2 | Telephone Type Assignment |

1-6-08 *Attendant Transfer Selection During Live Record*

System Mode
1

Submode
6

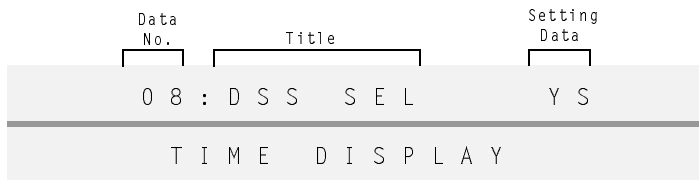
Data No.
08

PC Programming
Alt + **BTD**

General Description

Use this Memory Block to control the Attendant DSS/BLF transfer while the Attendant is engaged in Live Record. The call is transferred to either the DSS/BLF extension or the voice mailbox of the DSS/BLF extension. When YS is selected, the call is transferred to the DSS/BLF extension. When NO is selected, the Live Record session is addressed to that DSS/BLF extension (no transfer).

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK6 + * + * + 8 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

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1-7-00 Doorphone Assignment

General Description

Use this Memory Block to enable the doorphones in System Programming.

Display

| Data No. | Title |
|----------|--------------|
| 00 | DPH ASSIGN |
| | TIME DISPLAY |

System Mode

1

Submode

7

Data No.

00

PC Programming

Alt +BTP

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| DPH1 | DPH2 | DPH3 | DPH4 | | | | |

Default not assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to each doorphone. The LED changes to indicate the data each time the CO/PBX line key is pressed.

| | | |
|-----------------|-----|-----|
| CO/PBX Line LED | Off | On |
| Data | No | Yes |

The shaded area is the default setting.

- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------------|
| 1-7-01 | Doorphone Display Time Selection |

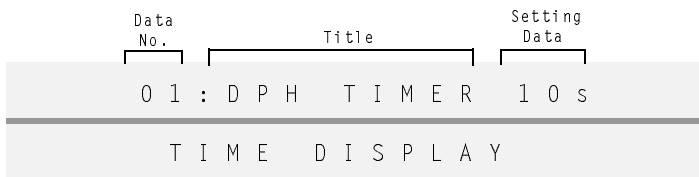
1-7-01 Doorphone Display Time Selection

General Description

Use this Memory Block to specify the time, in seconds, a doorphone call signals a station before it times out.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (R2500 or lower)



System Mode
1

Submode
7

Data No.
01

PC Programming
Alt+BTP

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 10s | 30s | 60s | 90s | | | | |

The shaded selection is the default.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK7 + to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to the time assignment.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Setting Data |
|----------------------------|---------|--------------|
| 01 | DPH TMR | 10s |
| T I M E D I S P L A Y | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
01s–99s (e.g., 02s = 2s)
- 4 Press  to write the data and display the next memory block.
- 5 Program the next memory block, or press  to go back on-line.

Default Values
10s

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------|
| 1-7-00 | Doorphone Assignment |

**Notes**

R3000 or higher is required to adjust this memory block by 1-second intervals.

1-7-02 External Speaker Connection Selection

System Mode
1

Submode
7

Data No.
02

PC Programming
Alt +BP

General Description

Use this Memory Block to specify whether or not external speakers are connected to the system.

Display



Settings

| | | | | | | | |
|-------|-------|-------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| ESP A | ESP B | ESP C | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7+ to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to each ESP Zone. The LED changes to indicate the data each time the CO/PBX line key is pressed.

| | | |
|-----------------|-----|-----|
| CO/PBX Line LED | Off | On |
| Data | No | Yes |

The shaded area indicates the default setting.

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| | |
|--------------------|--------------------------------------|
| M.B. Number | Memory Block Name |
| 1-7-03 | External Paging Alert Tone Selection |

Notes

Only three external speaker zones can be connected to the system.

1-7-03 External Paging Alert Tone Selection

System Mode
1

Submode
7

Data No.
03

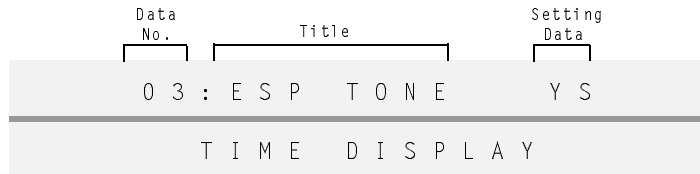
PC Programming

Alt **+BP**

General Description

Use this Memory Block to specify whether or not a paging alert tone is sent on External Zone Paging (all speakers/individual speaker).

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 + 0_{OPER} 3_{DEF} to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-7-02 | External Speaker Connection Selection |
| 1-7-08 | External Speaker Chime Selection |

1-7-04 Doorphone Ring Pattern Selection

System Mode
1

Submode
7

Data No.
04

PC Programming
Alt **+BTP**

General Description

Use this Memory Block to turn doorphone Off/On or specify the doorphone ring pattern. Doorphones can be individually assigned.

Display



Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| OFF | ON | A | B | C | D | E | F |

Page 2

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| G | H | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 + to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to the time assignment.
Press to alternate pages.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-7-00 | Doorphone Assignment |
| 1-7-05 | Doorphone Ringing Frequency Selection |
| 4-03 | Doorphone Chime Assignment (Day Mode) |
| 4-04 | Doorphone Chime Assignment (Night Mode) |

The Doorphone Ring Patterns are shown in the table below:

s= seconds

| Pattern | Line Key | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|----------|-----------------|----|----|----|----|----|----|----|
| Tone Off | LK 1 | | | | | | | |
| Tone On | LK 2 | | | | | | | |
| A | LK 3 | | | | | | | |
| B | LK 4 | | | | | | | |
| C | LK 5 | | | | | | | |
| D | LK 6 | | | | | | | |
| E | LK 7 | | | | | | | |
| F | LK 8 | | | | | | | |
| G | LK 1 (Pg. 2) | | | | | | | |
| H | LK 2 (Pg. 2) | | | | | | | |

1-7-05 Doorphone Ringing Frequency Selection

System Mode
1

Submode
7

Data No.
05

PC Programming
Alt +BTP

General Description

Use this Memory Block to specify the doorphone ringing frequency. Doorphones can be individually assigned.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7+ to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

The available tones are:

| Tone | Frequency |
|--------|--------------------------------|
| Tone A | 480/600 (Modulation - 16 Hz) |
| Tone B | 480/606 (Modulation - 8 Hz) |
| Tone C | 1024/1285 |
| Tone D | 1024 |
| Tone E | 500 |
| Tone F | 1024/1285 (Modulation - 16 Hz) |
| Tone G | 600/700 (Modulation - 16 Hz) |
| Tone H | 1024 (Envelope - 2 sec.) |

- 4 Press to write the data.
- 5 Repeat Steps 3 and 4 for each of the four doorphones. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-7-00 | Doorphone Assignment |
| 1-7-04 | Doorphone Ring Pattern Selection |
| 4-03 | Doorphone Chime Assignment (Day Mode) |
| 4-04 | Doorphone Chime Assignment (Night Mode) |

1-7-06 External Paging Timeout Selection

General Description

Use this Memory Block to specify the time allowed for External Paging before timeout and release of the paging circuit. **R1000/R2500/R3500** Speaker 59 uses this timer.

This Memory Block can be adjusted in 1 second intervals (**R3000 or higher**).

Display



System Mode
1

Submode
7

Data No.
06

PC Programming
Alt +BP

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 5.0 | 8.0 | ∞ (No Limit) |

The shaded selection is the default. Times are in minutes.

Programming Procedures





- 1 Go off-line.
- 2 Press LK1 + LK7+ to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Refer to next page for R3000 or higher Programming Procedures.

Display (R3000 or higher)

| Data No. | Title | Timer Class 1~4 | Setting Data |
|-----------------------|--------|-----------------|--------------|
| 06 | ESPTMR | 1 | = 300s |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 +   to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
Setting Data
000s~999s (e.g., 300s = 5m)
- 4 Press  to write the data and display the next Timer Class of Service.
- 5 Program the next Timer Class of Service or press  to go back on-line.

Default Values
Class 1~4 = 300s
000S = No Limit

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-2-00 | Internal Paging Timeout Selection |
| 1-7-02 | External Speaker Connection Selection |
| 4-71 | Station to Timer Class of Service (R3000 or higher) |

**Notes**

1. Types of paging include:
 - All Internal Zone (51)
 - Internal Zone Paging (52~54)
 - External Zone Paging (all speakers) (55)
 - External Zone Paging (individual speakers) (56~58)
 - Internal/External Zone Paging (59)
2. Telephone ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default (**R3000 or higher**).
3. When a system is upgraded from **R2500 or lower** to **R3000 or higher**, the External Paging Timeout Selection is reset to the default value during the upgrade process.

1-7-07 External Ring Relay Pattern Selection

System Mode
1

Submode
7

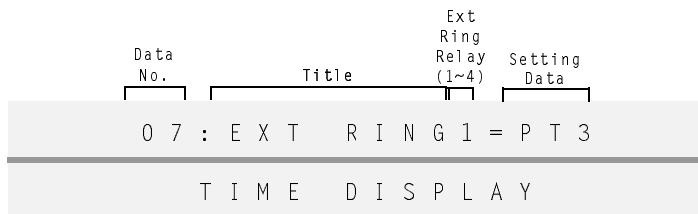
Data No.
07

PC Programming
Alt +BP

General Description

Use this Memory Block to assign a distinctive ringing control/interval pattern to relay circuits.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|---------------------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| PT1 | PT2 | PT3 | PT4 | PT5 | PT6 | PT7 (Continuous) | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press L1 + LK7 + to access the Memory Block.
- 3 Press corresponding CO/PBX line key to change the data option.
 - Use dial pad keys 1~4 to specify external ring relay.
- 4 Press to write the data.
- 5 Repeat Steps 3 and 4 for each of the four Ring Relays. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-2-00 | Internal Paging Timeout Selection |
| 1-7-02 | External Speaker Connection Selection |
| 2-08 | ECR Relay to Tenant Assignment |

Notes

An External Tone relay or the Night Chime relay must be assigned in Memory Block 2-08 (ECR Relay to Tenant Assignment) before the tone is generated.

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|------------|----|----|----|----|----|----|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | Continuous | | | | | | |

1-7-08 External Speaker Chime Selection

System Mode
1

Submode
7

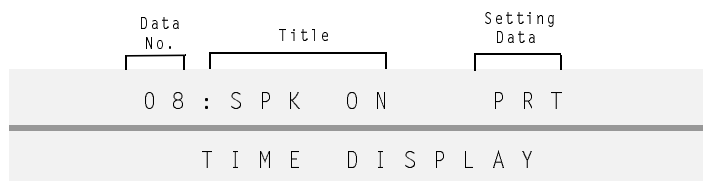
Data No.
08

PC Programming
Alt +BP

General Description

Use this Memory Block to specify whether a normal paging alert tone (4 tones) sounds before the speech path is established, a chime sounds at the start of the call, or a chime sounds at the start and end of the call.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| PRT | C-S | C-B | | | | | |

The shaded selection is the default.

PRT = Normal Paging Tone Before the Page

C-S = Chime - Start Only (4 Tone Chime)

C-B = Chime - Both Start and End (4 Tone Chime)

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7+ to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-7-03 | External Page Alert Tone Selection |
| 1-7-09 | External Speaker Chime Start Time Selection |



Notes



Memory Block 1-7-03 (External Paging Alert Zone Selection) must be enabled for this Memory Block to function.

1-7-09 External Speaker Chime Start Time Selection

System Mode

1

Submode

7

Data No.

09

PC Programming

Alt **+BP**

General Description

Use this Memory Block only when paging alert tone (four tones) is assigned in Memory Block 1-7-08 (External Speaker Chime Selection). This Memory Block specifies the delay time (in milliseconds) after an external paging code is dialed before the paging alert tone is provided.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 09 | START | = 700 1 |
| TIME DISPLAY | | |

Settings

Page 1







| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 000 | 100 | 200 | 300 | 400 | 500 | 600 | 700 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |

The shaded selection (in ms) is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 - Use the following when entering data:
 -  or  to cycle between pages, + to go from page 2 to page 1, = to go from page 1 to page 2
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------------|
| 1-7-08 | External Speaker Chime Selection |

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1-8-01 *SLT or Automated Attendant/DISA to CPU PBR Selection*

System Mode

1

Submode

8

Data No.

01

PC Programming

 **+BTI**

General Description

Use this Memory Block to specify whether the four Push Button Receiver (PBR) circuits in the CPU()-U() ETU are used for Single Line Telephones or Automated Attendant/Direct Inward System Access (DISA).

Display

| Data No. | Title |
|-----------------------|---------------------|
| 01 | PBR (S L T / A A) |
| T I M E D I S P L A Y | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------|-------------|------|------|------|------|------|------|
| PBR 1 and 2 | PBR 3 and 4 | | | | | | |



Default not assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
The LED indication changes to indicate the data each time the CO/PBX line key is pressed.

| CO/PBX Line LED | Off | On |
|-----------------|-----------------------|-----------|
| Data | Single Line Telephone | A.A./DISA |

The shaded area indicates the default setting.

- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.



Notes



When LK1 and LK2 are assigned to Automated Attendant/DISA, a PBR()-U() ETU must be installed in the system when Single Line Telephones are used.

1-8-02 PBR Receive Level Assignment for Automated Attendant/DISA

System Mode
1

Submode
8

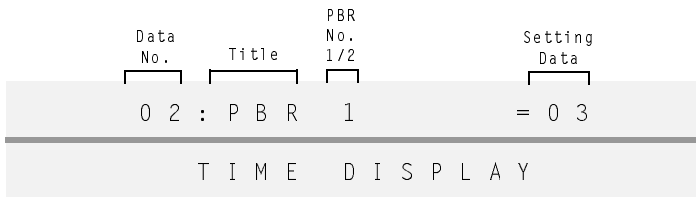
Data No.
02

PC Programming
Alt +AU

General Description

Use this Memory Block to specify the receiving level of the Push Button Receiver (PBR) at the Automated Attendant/Direct Inward System Access (DISA).

Display



- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Use the dial pad to change the data option. The information that can be entered includes:

| Setting Data | Receiving Level |
|--------------|-----------------|
| 00 | -33.0 dBm |
| 01 | -34.0 dBm |
| 02 | -35.0 dBm |
| 03 | -36.0 dBm |
| 04 | -37.0 dBm |
| 05 | -38.0 dBm |
| 06 | -39.0 dBm |
| 07 | -40.0 dBm |
| 08 | -41.0 dBm |
| 09 | -42.0 dBm |
| 10 | -43.0 dBm |
| 11 | -44.0 dBm |
| 12 | -45.0 dBm |
| 13 | -46.0 dBm |
| 14 | -47.0 dBm |
| 15 | -48.0 dBm |

Default Values (PBR 1 and 2)

| Setting Data | Receiving Level |
|--------------|-----------------|
| 03 | -36.0 dBm |

- 4 Press to write the data and advance to the next PBR.
- 5 Enter next PBR, and press to write data. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

**Notes**

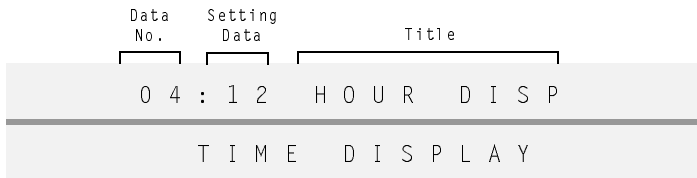
1. When the Automated Attendant answers, the DTMF signal level from the calling party is reduced from the Public Switched Telephone Network (PSTN). This Memory Block specifies the minimum detectable receiving level. Setting Data 15 is the most sensitive.
2. PBR 1 data is for Channels 1 and 2 and PBR 2 is for Channels 3 and 4 in the CPUI()-U() ETU.

1-8-04 Time Display (12h/24h) Selection

General Description

Use this Memory Block to specify either a 12-hour (00:00 to 11:59 a.m., noon to 11:59 p.m.) or 24-hour (00:00 to 23:59) time display.

Display



System Mode
1

Submode
8

Data No.
04

PC Programming
Alt + BM

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 12 | 24 | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + **0** OPER **4** CH to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

1-8-07 *Class of Service (Attendant) Feature Selection 1*

System Mode

1

Submode

8

Data No.

07

PC Programming

 **+BTS**

General Description

Use this Memory Block to allow or deny specific attendant features for each Class Of Service. When individual stations are assigned, the station user can access only the features designated as allow.

Display

| Data No. | Title | Class No. (00~15) | Page No. (1~3) |
|-----------------------|-------|-------------------|----------------|
| 07 | CLS1 | (00) | 01 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------------|---------------------------------|-------------------------------|----------|----------|----------|---|---|
| Night Mode Switching | Night Mode Switching Per Tenant | System Speed Dial Programming | Not Used | Not Used | Not Used | Automatic Trunk-to-Trunk Transfer Set/Reset | Automated Attendant/DISA Set/Reset Mode |

Page 2



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---|---|-----------------------------------|---|----------------------|----------------------------|-------------------------|--|
| Timed Alarm for Single Line Telephone Set/Reset | Call Forward Set/Reset from Destination Station | System-Wide Reset Refer to Note 1 | Password (Outgoing Restriction) Refer to Note 2 | DISA Password Cancel | DISA Password Confirmation | Weekend Mode Per Tenant | Forced Account Code/Authorization Code Programming |

Default not assigned.

Page 3

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------------------|---|-------------------------|----------|----------|----------|----------|----------|
| Terminal Exchange Mode Set | CO VM Callback Telephone Number Programming | Station Name Assignment | Not Used | Not Used | Not Used | Not Used | Not Used |

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to enter data.
The LED indication changes to indicate the data each time a CO/PBX line key is pressed.


| CO/PBX Line Key LED | Off | On |
|---------------------|------|-------|
| Data | Deny | Allow |




The shaded area indicates the default setting.



Use the following when entering data:

Press  to go to the next page.

Press  to go to the previous page.

- 4 Press  key. Data for Class 01 ~ 15 is displayed successively.
- 5 Press  to write the data for Class 15. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 4-17 | Station to Class of Service Feature Assignment |



Notes



1. System-Wide Reset selection resets the following: Call Forward – All Call, Do Not Disturb, Customized Message, and Callback Request.
2. Password (Outgoing Restriction) selection cancels Station Lockout and default password for another station.
3. Sixteen Classes (00 ~ 15) of feature restriction patterns allow a station user to activate particular features while restricting others.
4. At default, stations 100 and 101 are in class 00. All other stations are in class 15.
5. Stations are assigned to a Class of Service in Memory Block 4-17 (Station to Class of Service Feature Assignment).

Classes 00 ~ 15 are programmed in this Memory Block as feature restriction classes. In Memory Block 4-17 (Station to Class of Service Feature Assignment) specify any class of service for each telephone to assign features the user can/cannot activate.

| Corresponding CO/PBX Line Key | Function Name | Default Class 00 | Default Class 01 ~ 15 |
|-------------------------------|---------------|------------------|-----------------------|
|-------------------------------|---------------|------------------|-----------------------|

Page 1

| | | | |
|-----|---|-------|------|
| LK1 | Night Mode Switching (System-Wide)) | Allow | Deny |
| LK2 | Night Mode Switching (Tenant) | Allow | Deny |
| LK3 | System Speed Dial Programming | Allow | Deny |
| LK4 | Not Used | N/A | N/A |
| LK5 | Not Used | N/A | N/A |
| LK6 | Not Used | N/A | N/A |
| LK7 | Automatic Trunk-to-Trunk Transfer (Set/Reset) and programming of Outgoing Numbers | Allow | Deny |
| LK8 | Automated Attendant/DISA Mode (Set/Reset) | Allow | Deny |

Page 2

| | | | |
|-----|---|-------|------|
| LK1 | Timed Alarm (Set/Reset) for Single Line Telephones (From Attendant) | Allow | Deny |
| LK2 | Call Forward – All Call (Set/Reset) from Destination Station, Call Forward CAR Keys, Call Forward – All Call Set, and Call Forward – Busy/No Answer set | Allow | Deny |
| LK3 | System-Wide Reset of Timed Alarm, Call Forward – All Call, Do Not Disturb, Customized Message, and Callback Request | Deny | Deny |
| LK4 | Cancel Station Lockout and Default Password for another Station | Allow | Deny |
| LK5 | DISA Password Cancel | Allow | Deny |
| LK6 | DISA Password Confirmation | Allow | Deny |
| LK7 | Automated Attendant Weekend Mode (Set/Reset) Tenant | Allow | Deny |
| LK8 | Forced Account Code/Authorization Code Programming | Allow | Deny |

Page 3


| | | | |
|---------|--|-------|------|
| LK1 | Terminal Exchange Mode Set | Allow | Deny |
| LK2 | CO VM Callback Telephone Number Programming (R2000 or higher) | Allow | Deny |
| LK3 | Station Name Assignment – All stations (R4000 or higher) | Deny | Deny |
| LK4~LK8 | Not Used | N/A | N/A |

1-8-08 *Class of Service (Station) Feature Selection 2*

System Mode
1

Submode
8

Data No.
08

PC Programming
 **+BTS**

General Description

Use this Memory Block to allow or deny specific station features for each Class of Service. When individual stations are assigned, the station user can access only the features specified as allow.

Display

| Data No. | Title | Class No. (00~15) | Page No (1~6) |
|-----------------------|---------|----------------------|------------------|
| 08 | : CLS 2 | (0 0) | 0 1 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---|------------------|-----------------------|-----------------------------|---------------------------------------|---------------------------------------|-----------------------------|--|
| Call Forward – All Call, DND, Break Mode | Trunk Queuing | Automatic Callback | Barge-In (Calling Party) | Barge-In Receive (Called Party) | Timed Alarm Set/Cancel From SLT | General Purpose Relay | Voice / Tone Override (Originate) |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------------|-------------------------|------------------------------------|----------|---|----------------------|----------|----------------------|
| Absence Message | Callback Request Set | Station Outgoing Lockout Set | Not Used | Call Forward – Busy/No Answer Set | VRS Voice Message | Not Used | DISA Password Set |

Page 3

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------|---|-------------------------------------|-------------------|--|-----------------------|---|----------------------------|
| Not Used | User Ringing Line Preference Set/Reset | Voice/Tone Override (Receive) | LCR/ARS Bypass | Station Trunk- to-Trunk Transfer | Account Code Entry | Digit Restriction Time Selection | Call Alert Notification |

Page 4

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------------|----------------------------------|---------------|--------------------------------------|---------------------------|---------------------------|------------------|----------------------------|
| LCR/ARS Recall | DSS Key Transfer Operation | ANI/Caller ID | ANI/Caller ID Number Selection | Live Record Allow/Deny | Auto Record Allow/Deny | BGM Selection | Unsupervised Conference |

Default not assigned.

Page 5

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---|---------------------------|--------------------|---------------------------------|----------------------------|-----------------|---------------------------------|----------|
| Forced Account Code /Authorization Code | Group Listening Selection | Station Relocation | Set Call Forward – Off -Premise | Pre-Set Dialing Allow/Deny | Live Monitoring | ANI/Caller ID Display Selection | Not Used |








Page 6

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|------------------------|--|----------|----------------------|--------------------------|------------------------|-----------------------------------|
| ARS Overflow | VMS Message Indication | Unverified for Forced Account Code /Authorization Code | Not Used | Caller ID for K-CCIS | Call Monitor (Originate) | Call Monitor (Receive) | Saved Caller ID missed call Info. |


Page 7

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------------|----------|-------------------------|-------------|-----------------------|--------------|----------|----------|
| Send Caller ID to SLT | Not Used | Station Name Assignment | Hot Key Pad | Interactive Soft Keys | DNIS Display | Not Used | Not Used |



Programming Procedures

- Go off-line.
- Press LK1 + LK8 +   to access the Memory Block.
- Use the dial pad to enter Class No.
 -  Use the following to enter Class No:
 -  ~  to enter numeric data
 -  to move cursor left
 -  to move the cursor right
- Press the corresponding CO/PBX line key to allow or deny the feature selection. The LED indication changes to indicate data each time CO/PBX line key is pressed.

| CO/PBX Line Key LED | Off | On |
|---------------------|------|-------|
| Data | Deny | Allow |

Press  to go to the next page.

Press  to go back to the previous page.

- Press  key to transfer data.
- Repeat Steps 3 and 4 for each Class. The next Memory Block is displayed.
- Program the next Memory Block or press  to go back on-line.

Related Programming

M.B. Number **Memory Block Name**

1-8-07 Class of Service (Attendant) Feature Selection 1

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 4-17 | Station to Class of Service Feature Assignment |

**Notes**

1. Sixteen Classes (00 ~ 15) of feature restriction patterns allow a station user to activate particular features while restricting others.
2. At default, all stations are in Class 00.
3. Stations are assigned to a Class of Service in Memory Block 4-17 (Station to Class of Service Feature Assignment).
4. LCR/ARS Bypass (Page 3, LK 4) applies only when the station is assigned to an LCR/ARS Class (1~4) in Memory Block 4-40 (LCR Class Selection). LCR/ARS Bypass does not apply when using access codes to directly access an ARS Table (functions 601~604 – ARS Tables 1~4) in Memory Blocks 1-1-46~48 [Access Code (1/2/3-Digit) Assignment].
5. ARS Overflow (Page 6, LK 1) allows or restricts access to Trunk Group 01 when the first priority trunk group (programmed route) is busy.
6. When the SLIB(4)-U() ETU is used, and a change is made to Pg 7 LK1 (Send Caller ID to SLT), reset may be required for proper functionality.

| Corresponding CO/PBX Line Key | Function Name | Default Class 00 | Default Class 01 ~ 15 |
|-------------------------------------|---------------|---------------------|--------------------------|
|-------------------------------------|---------------|---------------------|--------------------------|

Page 1

| | | | |
|-----|---|-------|------|
| LK1 | Set Call Forward – All Call, Do Not Disturb (DND), Break Mode | Allow | Deny |
| LK2 | Trunk Queuing | Allow | Deny |
| LK3 | Automatic Callback | Allow | Deny |
| LK4 | Barge-In Originate on a CO/PBX Line (Calling Party) | Deny | Deny |
| LK5 | Barge-In Receive (Called Party) | Allow | Deny |
| LK6 | Timed Alarm (Set/Cancel) From SLT | Allow | Deny |
| LK7 | General Purpose Relay | Allow | Deny |
| LK8 | Voice Override/Tone Override Originate | Allow | Deny |

Page 2

| | | | |
|-----|---------------------------------------|-------|------|
| LK1 | Absence Message | Allow | Deny |
| LK2 | Callback Request Originate | Allow | Deny |
| LK3 | Station Outgoing Lockout (Set/Cancel) | Allow | Deny |
| LK4 | Not Used | N/A | N/A |
| LK5 | Call Forward – Busy/ No Answer Set | Allow | Deny |
| LK6 | VRS Voice Message Record/Verify/Erase | Allow | Deny |
| LK7 | Not Used | N/A | N/A |
| LK8 | DISA Password Set | Allow | Deny |

Page 3

| | | | |
|-----|---|-------|-------|
| LK1 | Not Used | N/A | N/A |
| LK2 | User Ringing Line Preference Set/Reset | Allow | Deny |
| LK3 | Voice/Tone Override/Camp-On Receive | Allow | Deny |
| LK4 | LCR/ARS Bypass (Trunk Groups 02~32) | Deny | Deny |
| LK5 | Station Trunk-to-Trunk Transfer | Deny | Deny |
| LK6 | Account Code Entry | Deny | Deny |
| LK7 | Digit Restriction Time Selection | Allow | Allow |
| LK8 | Call Alert Notification for DIT and DID | Allow | Deny |

| Corresponding CO/PBX Line Key | Function Name | Default Class 00 | Default Class 01 ~ 15 |
|-------------------------------------|---------------|---------------------|--------------------------|
|-------------------------------------|---------------|---------------------|--------------------------|

Page 4

| | | | |
|-----|--|-------|------|
| LK1 | LCR/ARS Recall | Allow | Deny |
| LK2 | DSS Key Transfer Operation | Deny | Deny |
| LK3 | ANI/Caller ID | Deny | Deny |
| LK4 | ANI/Caller ID Number/Name Selection When deny is set, Name is displayed if Name and number are received. When allow is set, Number is displayed if Name and number are received. | Deny | Deny |
| LK5 | Live Record Allow/Deny (Memory Block 1-8-26 must be set.) | Deny | Deny |
| LK6 | Auto Record Allow/Deny (LK5 must be on, and Memory Block 1-8-26 must be set.) | Deny | Deny |
| LK7 | BGM Selection | Allow | Deny |
| LK8 | Unsupervised Conference | Deny | Deny |

Page 5

| | | | |
|-----|---|-------|------|
| LK1 | Forced Account Code/Authorization Code | Deny | Deny |
| LK2 | Group Listening Selection | Deny | Deny |
| LK3 | Station Relocation | Allow | Deny |
| LK4 | Set Call Forward – Off- Premise (Related to Page 1 LK1 and Page 2 LK5). | Deny | Deny |
| LK5 | Pre-Set Dialing (Allow/Deny) | Deny | Deny |
| LK6 | Live Monitoring | Deny | Deny |
| LK7 | Caller ID Display Selection If allow is set, Caller ID Name and Number display at the same time. | Deny | Deny |
| LK8 | Not Used | N/A | N/A |

Page 6

| | | | |
|-----|--|-------|------|
| LK1 | ARS Overflow | Deny | Deny |
| LK2 | Voice Mail Message Indication on Line Keys | Deny | Deny |
| LK3 | Unverified for Forced Account Code/Authorization Code Deny means Verified; Allow means Unverified | Deny | Deny |
| LK4 | Not Used | N/A | N/A |
| LK5 | Caller ID for K-CCIS | Allow | Deny |
| LK6 | Call Monitor (Originate) (R2000 or higher) | Deny | Deny |
| LK7 | Call Monitor(Receive) (R2000 or higher) | Allow | Deny |

| Corresponding CO/PBX Line Key | Function Name | Default Class 00 | Default Class 01 - 15 |
|--|---|-----------------------------|----------------------------------|
| LK8 | Save Caller ID Missed Call Information (R3000 or higher) (Version 6.00 MIFM or higher) | Deny | Deny |

Page 7

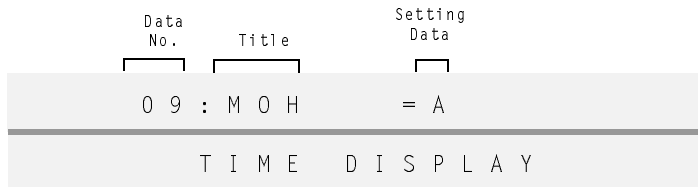
| | | | |
|-----|--|-------|------|
| LK1 | Send Caller ID Information to SLT (R3000 or higher) | Deny | Deny |
| LK2 | Not Used | N/A | N/A |
| LK3 | Station Name Assignment – Own Station (R4000 or higher) | Allow | Deny |
| LK4 | Hot Key Pad (R4000 or higher) | Deny | Deny |
| LK5 | Interactive Soft Keys (R4000 or higher) | Deny | Deny |
| LK6 | DNIS Display for Transferred Calls (R4000 or higher) | Deny | Deny |
| LK7 | Not Used | | |
| LK8 | Not Used | | |

1-8-09 Music on Hold Pattern Selection

General Description

Use this Memory Block to specify the Music on Hold pattern.

Display



System Mode
1

Submode
8

Data No.
09

PC Programming
Alt + BCS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| A | B | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------------------------|
| 1-8-31 | Hold Tone Source Assignment |
| 1-8-32 | Hold Interval Tone Volume Selection |

Notes

1. Music on Hold can be provided to CO/PBX and intercom calls that are placed on hold.
2. One of two melodies can be selected (**R2500 or lower**):
 - A = American Folk Song Medley
 - B = Christmas Song Medley
3. For **R3000 or higher**, the internal Music on hold source for CPU()-U10 ETU Lot 3XXX or higher and CPU()-U20 ETU provides the following options:
 - A = Hold Tone (default)
 - B = American Folk Song Medley

1-8-10 PBR Interdigit Release Time Selection

General Description

Use this Memory Block to specify the interdigit release time for the Push Button Receiver (PBR).

Display

| Data No. | Title | Setting Data |
|--------------|-------------|--------------|
| 10 | PBR RELEASE | 7s |
| TIME DISPLAY | | |

System Mode

1

Submode

8

Data No.

10

PC Programming





 **+BM**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 3s | 4s | 5s | 6s | 7s | 8s | 9s | 10s |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

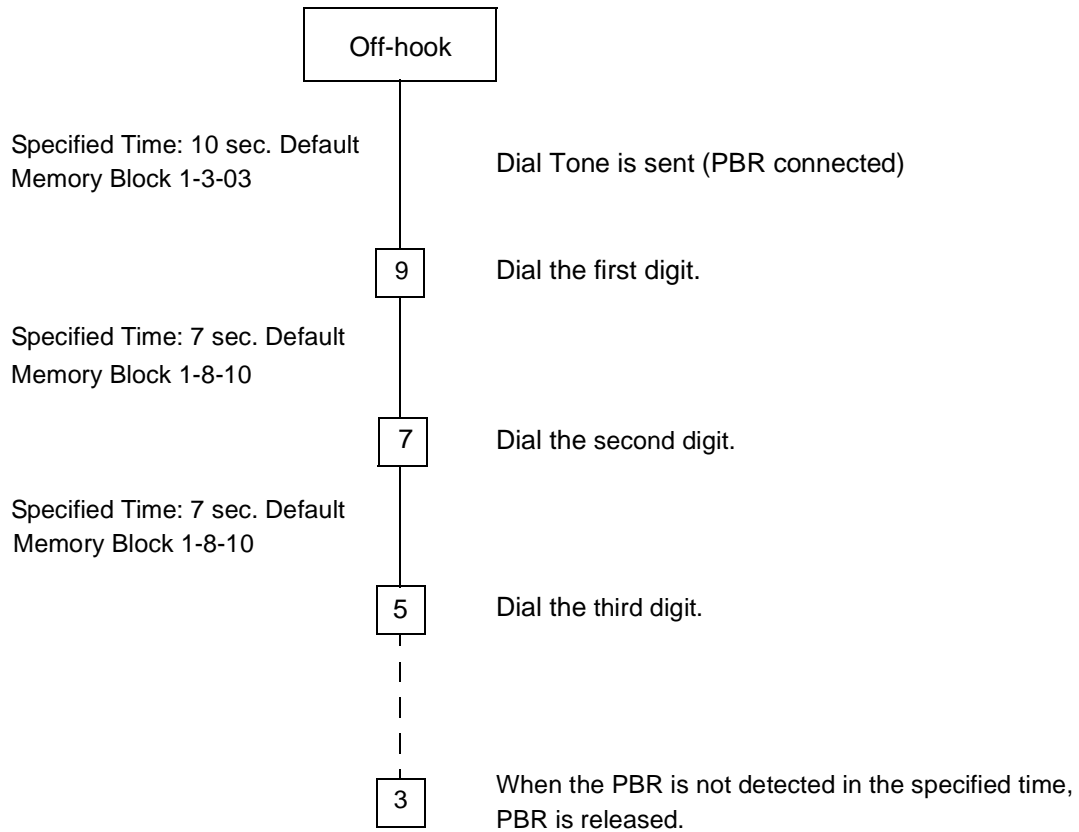
| M.B. Number | Memory Block Name |
|-------------|--|
| 1-3-03 | First Digit PBR Release Time Selection |
| 1-8-01 | SLT or Automated Attendant/DISA to CPU PBR Selection |



Notes



A DTMF Single Line Telephone connected to the Electra Elite IPK system must be supported by a PBR that receives DTMF signals.



1-8-11 System Refresh Time Assignment

General Description

Use this Memory Block to assign the System Refresh Time during idle periods.

Display

| Data No. | Title | Setting Data |
|--------------|---------|--------------|
| 11 | REFRESH | 4H |
| TIME DISPLAY | | |

System Mode

1

Submode

8

Data No.

11

PC Programming





 **+BM**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NON | 4H | 8H | 12H | 24H | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.



Notes



The system automatically refreshes itself during idle periods based on the time specified in this Memory Block.

1-8-12 VRS Message Recording Time Selection

System Mode
1

Submode
8

Data No.
12

PC Programming
Alt +AR

General Description

Use this Memory Block to specify the recording time and number of messages for each Voice Recording Service (VRS) channel.

Display

| Data No. | Title | VRS Chan. | Setting Data | | | | |
|-----------------------|---------|-----------|--------------|---|-----|--|--|
| 1 2 | : V R S | 1 | 1 5 s | x | 1 6 | | |
| T I M E D I S P L A Y | | | | | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------|---------|---------|----------|------|------|------|------|
| 15s x16 | 30s x 8 | 60s x 4 | 120s x 2 | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Press corresponding CO/PBX line key to change data option.
 - Use the following to enter VRS Channel:
 - ~ to enter numeric data
- 4 Press to write the data and advance to the next VRS Channel.
- 5 Repeat Steps 3 and 4 for each of the seven remaining VRS channels. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

Default Values

All VRS Channels
Recording Time = 15 seconds,
16 messages

Notes

Voice Recording Services Channel 1 has 240 seconds for message recording. The number of messages that can be recorded depends on message length. Divide 240 by the message length to obtain the number.

1-8-13 VRS Message Function Assignment

System Mode
1

Submode
8

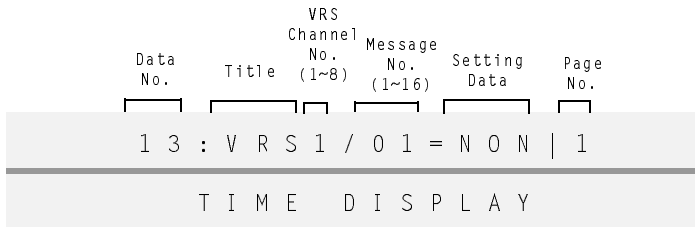
Data No.
13

PC Programming
Alt +AR

General Description

Use this Memory Block to assign the recorded voice prompt Delay Announcement/ Automated Attendant Message to the Voice Recording Service (VRS) Message number. Refer to Memory Block 1-8-12 (VRS Message Recording Time Selection).

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|----------------------|----------------------|-----------------------|-----------------------|----------|----------|----------|
| NON | V1 (Voice Prompt) | V2 (Voice Prompt) | M1 (Delay message) | M2 (Delay message) | Not Used | Not Used | Not Used |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| D1 (Day A A) | D2 (Day A A) | D3 (Day A A) | D4 (Day A A) | D5 (Day A A) | D6 (Day A A) | D7 (Day A A) | D8 (Day A A) |

Page 3



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| N1 (Night A A) | N2 (Night A A) | N3 (Night A A) | N4 (Night A A) | N5 (Night A A) | N6 (Night A A) | N7 (Night A A) | N8 (Night A A) |

Page 4

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| W1 (Weekend A A) | W2 (Weekend A A) | W3 (Weekend A A) | W4 (Weekend A A) | W5 (Weekend A A) | W6 (Weekend A A) | W7 (Weekend A A) | W8 (Weekend A A) |







The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press corresponding CO/PBX line key to change data option.





Use the following to enter data:

-  ~  to enter VRS Channel and message number
-  to move cursor left
-  to move cursor right
-  to go to the next page
-  to go back to the previous page

Default Values

All Channels of Block: No Message

- 4 Press  to write the data and advance to the next message. After Message No. 16, the next VRS is displayed.
- 5 Repeat Steps 3 and 4 for each message for each VRS. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

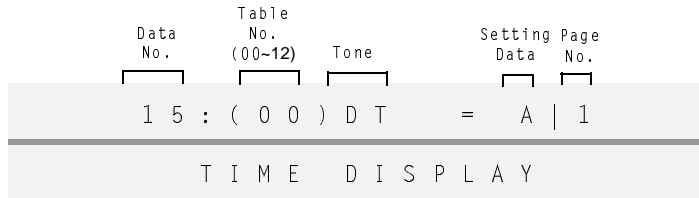
Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

1-8-15 Tone Assignment

General Description

Use this Memory Block to assign each system tone to the flexible tables.

Display



System Mode
1

Submode
8

Data No.
15

PC Programming
Alt +BI

Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| A | B | C | D | E | F | G | H |

Page 2

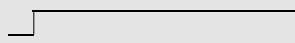
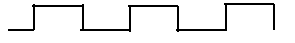

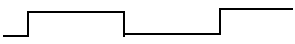
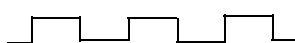
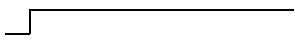
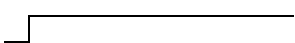
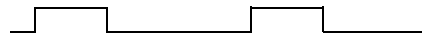
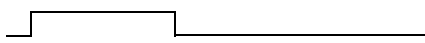

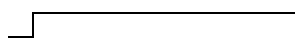
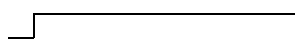
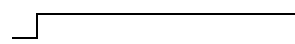
| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| I | J | K | L | M | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK8 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change the Setting Data option.
 - Use the following to enter data:
 - ~ to enter Table No.
 - to alternate between pages
- Press to write the data and advance to the next table.
- Repeat Steps 3 and 4 for each remaining table. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

| Table Number | Tone | LCD | Default |
|---------------------|-----------------------|------------|----------------|
| 00 | ICM Dial Tone | DT | A |
| 01 | Second Dial Tone | 2DT | B |
| 02 | Special Dial Tone | SPDT | C |
| 03 | Busy Tone | BT | D |
| 04 | Reorder/Error Tone | ROT | E |
| 05 | Howler Tone | HWT | F |
| 06 | Service Set Tone | SST | G |
| 07 | ICM Ringback Tone | RBT1 | I |
| 08 | Tie/DID Ringback Tone | RBT2 | H |
| 09 | Call Waiting Tone | CWT | J |
| 10 | LCR Dial Tone | SDTT | K |
| 11 | Tone Burst 1 | TB1 | G |
| 12 | Tone Burst 2 | TB2 | K |

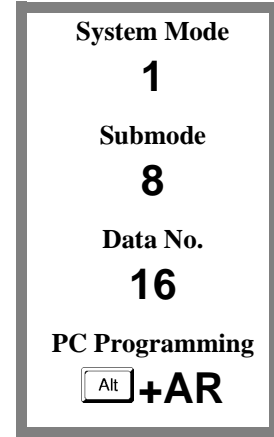
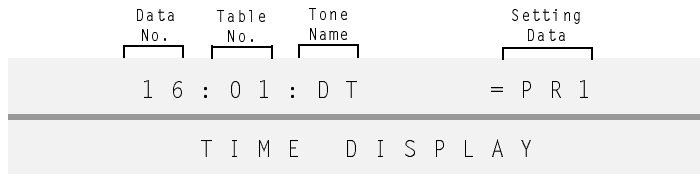
| Tone | Frequency | Intermit | Cycle |
|----------|--------------------------|--------------------------------|--|
| A | 350/440 | Continuous |  |
| B | 350/440 | 120 IPM 0.25 On, 0.25 Off |  |
| C | 440 | 240 IPM 0.125 On, 0.125 Off |  |
| D | 480/620 | 60 IPM 0.5 On, 0.5 Off |  |
| E | 480/620 | 120 IPM |  |
| F | 2400 16 Modulation | Continuous |  |
| G | 440 | Continuous |  |
| H | 440/480 | 2 sec On 4 sec Off |  |
| I | 440/480 | 1 sec On 2 sec Off |  |
| J | 440 | 60 IPM |  |
| K | 400 | Continuous |  |
| L | 800 | 60 IPM |  |
| M | No Tone | Continuous |  |

1-8-16 Voice Prompt to Tone Assignment

General Description

Use this Memory Block to assign the voice prompt to each tone. Voice prompt is provided only during the Internal Dial tone or Call Waiting tone.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| PR1 | PR2 | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change data option.
 - Table No. 1: Dial tone
 - Table No. 2: Call Waiting tone
- 4 Press to write the data and advance to Table 02.
- 5 After entering Table 2 data, press to write the data. The next Memory Block is displayed.
- 6 Program the next Memory Block or press to go back on-line.

Default Values

Dial Tone: PR1
 Call Waiting Tone: PR2

Related Programming

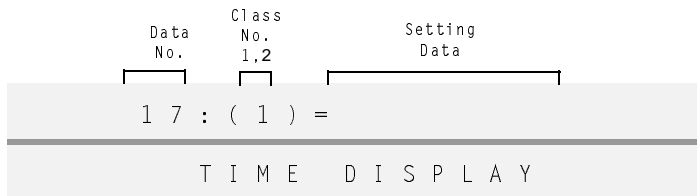
Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

1-8-17 PC Programming Password Assignment

General Description

Use this Memory Block to assign system passwords that must be entered when connecting to the system using SAT PC Programming.

Display



System Mode
1

Submode
8

Data No.
17

PC Programming
+CSP

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Use the following to enter Class 1 (Technician Mode) and password (8 digits max.).



Use the following to enter data:

to enter numeric data

to clear data

- 4 Press to write the data and advance to Class 2 (End User Mode).
- 5 After entering Class 2 password, press to write the data. The next Memory Block is displayed.
- 6 Program next Memory Block or press to go back on-line.

Default Values

Class 1, 2 All Blank



Notes



1. Password 1 (Class 1) is used for Technician SAT PC Programming.
2. Password 2 (Class 2) is used for End User SAT PC Programming.
3. Password 1 (Class 1) can be assigned only by telephone programming. It cannot be assigned or changed by Technician or End User SAT PC Programming.
4. Password 2 (Class 2) can be assigned by telephone programming or Technician SAT PC Programming. It cannot be assigned or changed by End User SAT PC Programming.
5. Password 2 (Class 2) cannot be assigned until Password 1 (Class 1) is assigned in the Memory Block.
6. The password for both classes can have up to five digits.

1-8-18 *Site Name Assignment*

General Description

Use this Memory Block to specify a site name for PC Programming software to use to program the system.

Display

| Data No. | Title | Setting Data |
|-----------------------|-----------|--------------|
| 18 | S I T E = | |
| T I M E D I S P L A Y | | |

System Mode

1


Submode

8







Data No.

18

PC Programming

 **+CSN**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use the Character Code Table in [Appendix B Character Codes, Section 1 Character Assignment on page B-1](#) and enter up to eight characters for Setting Data.
 -  Use the following to enter data:
 -  to clear data at cursor
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.



Notes



1. When programmed, this assignment creates a directory in the PC after download is performed.
2. System Software allows the name to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in [Appendix B Character Codes, Section 1 Character Assignment on page B-1](#).

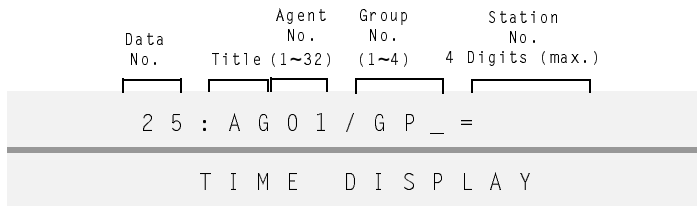
1-8-25 ACD/UCD Group Agent Assignment

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 8 |
| Data No. | 25 |
| PC Programming | Alt +AA |

General Description

Use this Memory Block to specify the Agent Station Number and the Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group Number where each agent is assigned.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Setting data includes Group no. (1 ~ 4) and Station No. (4 digits max.) Use the dial pad to enter data.
Agent station number is one of the following:
 - 2 digit (10 ~ 89)
 - 3 digit (100 ~ 899)
 - 4 digit (1000 ~ 8999)
- 4 Press to write Group and Station No. and advance to next Agent number (1 ~ 32).
- 5 Repeat Steps 3 and 4 for each remaining Agent. The next Memory Block is displayed.
- 6 Program next Memory Block or press to go back on-line.

Default Values
Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2-, 3- or 4-Digit Station Number Selection |
| 1-12-00 | ACD/UCD Group Pilot Number Assignment |



Notes



UCD and ACD cannot be installed in the same system.

1-8-26 *Voice Mail Quick Transfer Master Hunt Number*

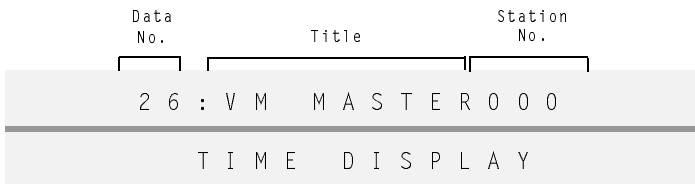
| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 8 |
| Data No. | 26 |
| PC Programming | Alt +AV |

General Description

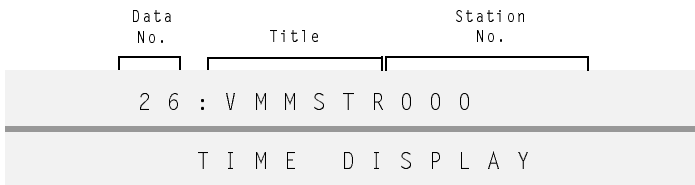
Use this Memory Block to specify a Voice Mail Master Hunt Number to operate Quick Transfer to Voice Mail. This Memory Block also enables the voice mail display in the LCD of a Multiline Terminal when a voice mail machine sets a message.

R2500 or higher is required to assign a 5-, 6-, or 7-digit Master Hunt Number.

Display (R1700 or lower)



Display (R2000 or higher)




Programming Procedures

- Go off-line.
- Press LK1 + LK8 + **2** (REC) **6** (MRG) to access the Memory Block.
- Use dial pad to enter agent station No.
 - Use the following to enter data:
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data
 - *** to move cursor left
 - #** to move cursor right
 - Station number is one of the following:
 - 2 digit (10 ~89)
 - 3 digit (100 ~ 899)
 - 4 digit (1000 ~ 8999)
 - 5 digit (10000 ~ 89999)
 - 6 digit (100000 ~ 899999)
 - 7 digit (1000000 ~8999999)
- Press **Transfer** to write the data. The next Memory Block is displayed.

Default Values
Not Specified

Programming Procedures

- 5 Program next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-24 | Intercom Feature Access Code Assignment |
| 1-2-34 | Expanded Station Number Assignment |
| 4-10 | Station Number Assignment |
| 4-14 | Intercom Master Hunt Number Selection |
| 4-15 | Intercom Master Hunt Number Forward Assignment |
| 4-35 | Voice Mail/SLT Selection |



The following procedure must be followed every time the Voice Mail ETU is to be inserted into the KSU.

Installation Procedure for the Voice Mail ETU

1. Verify that the battery is connected to CN4.
2. Turn off the KSU system power.
3. Wearing a grounding strap, place the Shutdown Switch on the voice mail ETU in **RUN** or, if equipped, place the MB Switch to **ON**.
4. Install the voice mail ETU in the KSU.
5. Turn the KSU power **ON**.

1-8-27 *Forced Account Code/Authorization Code Length Assignment*

System Mode
1

Submode
8

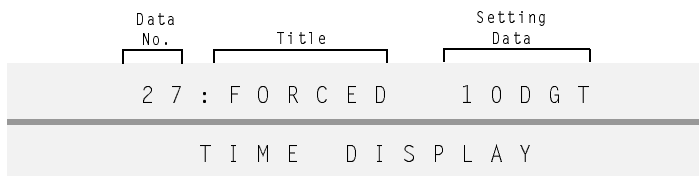
Data No.
27

PC Programming
Alt + BF











General Description

Use this Memory Block to specify the number of digits for the Forced Account Code/Authorization Code.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use dial pad to enter number of digits.
 -  Use the following to enter data:
 -  ~  to enter digits
 -  to move cursor left
 -  to move cursor right
 -  Setting Data = 01 ~ 13 digits
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

Default Values
10 Digits

Related Programming

| M.B. Number | Memory Block Name |
|------------------|--|
| 1-1-46-48 | Access Code (1/2/3-Digit) Assignment Function 146 – Forced Account Code/Authorization Code Function 147 – Forced Account Code/Authorization Code Access |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 Page 2, LK 8 – Forced Account Code/Authorization Code Programming |
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 5, LK 1– Forced Account Code/Authorization Code Page 6, LK 3 – Unverified for Forced Account Code/Authorization Code |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-17 | Station to Class of Service Feature Assignment |

Related Programming (Continued)


| M.B. Number | Memory Block Name |
|--------------------|---|
| 4-64 | Code Restriction Class (Without Authorization Code) Day Mode Assignment |
| 4-65 | Code Restriction Class (Without Authorization Code) Night Mode Assignment |

1-8-29 *SCD (Simplified Call Distribution) Pilot Number Assignment*

System Mode
1

Submode
8

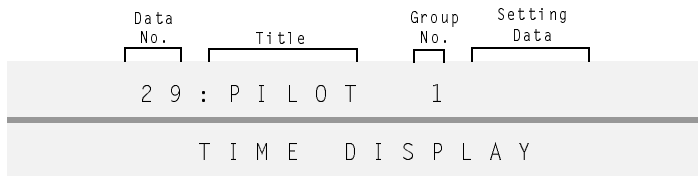
Data No.
29

PC Programming
 **+AA**











General Description

Use this Memory Block to specify the SCD Pilot number for each group. Any valid unused station number can be used.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use dial pad to enter an extension number.
 -  Use the following to enter data:
 -  ~  to enter digits
 -  to move cursor left
 -  to move cursor right
 -  Setting Data = 2~4 digits
- 4 Press  to write the data and advance to next Group No. (1~4).
- 5 Repeat Steps 3 and 4 for each remaining Group No. The next Memory Block is displayed.
- 6 Program next Memory Block or press  to go back on-line.

Default Values
Not Assigned

Related Programming

| M.B. Number | Memory Block Name |
|-------------|----------------------------|
| 1-8-30 | SCD Group Agent Assignment |

1-8-30 SCD Group Agent Assignment

General Description

Use this Memory Block to assign stations to one of four simplified call distribution groups. A total of 32 stations can be assigned.

Display

| Data No. | Title | Agent 1~32 | Group 1~4 | Setting Data |
|-----------------------|-------|------------|-----------|--------------|
| 30 | : S G | 01 | 1 | = |
| T I M E D I S P L A Y | | | | |

System Mode

1

Submode

8











Data No.

30

PC Programming

Alt **+AA**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use dial pad to enter Grp (1~4) and the Setting Data (station number) for each agent.
 -  Use the following to enter data:
 -  ~  to enter digits
 -  to move cursor left
 -  to move cursor right
 -  Setting Data = Maximum of 4 digits
- 4 Press  to write the data and select the next Agent No.
- 5 Repeat Steps 3 and 4 for each remaining Agent No. The next Memory Block is displayed.
- 6 Program next Memory Block or press  to go back on-line.

Default Values

Not Assigned

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-29 | SCD (Simplified Call Distribution) Pilot Number Assignment |

1-8-31 *Hold Tone Source Assignment*

General Description

Use this Memory Block to assign an internal or external Music on Hold source.

Display

| Data No. | Title | Setting Data |
|-----------------------|---------------|--------------|
| 31 | H L D T S R C | I N T |
| T I M E D I S P L A Y | | |

System Mode
1

Submode
8

Data No.
31





PC Programming
Alt + **BCS**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | | | | |
|------|------|------|------|--|--|--|--|
| INT | EXT | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the MOH source.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

Default Values
INT

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------------------------|
| 1-8-09 | Music On Hold Pattern Selection |
| 1-8-32 | Hold Internal Tone Volume Selection |

1-8-32 *Hold Internal Tone Volume Selection*

System Mode
1

Submode
8

Data No.
32

PC Programming
Alt **+BCS**

General Description

When the internal Music On Hold source is used, this Memory Block can be used to pad the music by -6 dB.

Display



Settings

| | | | | | | | |
|------|------|--|--|--|--|--|--|
| LK 1 | LK 2 | | | | | | |
| 0dB | -6dB | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the dB setting.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press to go back on-line.

Default ValuesDefault Values
0 dB


Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-8-31 | Hold Tone Source Assignment |

1-8-33 Master Clock Selection

General Description

When a DTI-U() ETU (T-1), PRT(1)-U() ETU, or BRT(4)-U() ETU is installed, clocking must be synchronized. When this Memory Block is set for Cabinet 0 (default), the system is set to be a Master Clock source. Programming this Memory Block defines the system to be a slave from its connected source.

 When the master clock selection is changed, press the Reset switch on the CPU to reset the system.


Display

| Data No. | Title | Cabinet Slot |
|--------------|---------|--------------|
| 0~3 | | 0~3 1~8 |
| 33 | MSTRCLK | 0 |
| TIME DISPLAY | | |










System Mode
1

Submode
8

Data No.
33

PC Programming
 **+AD**

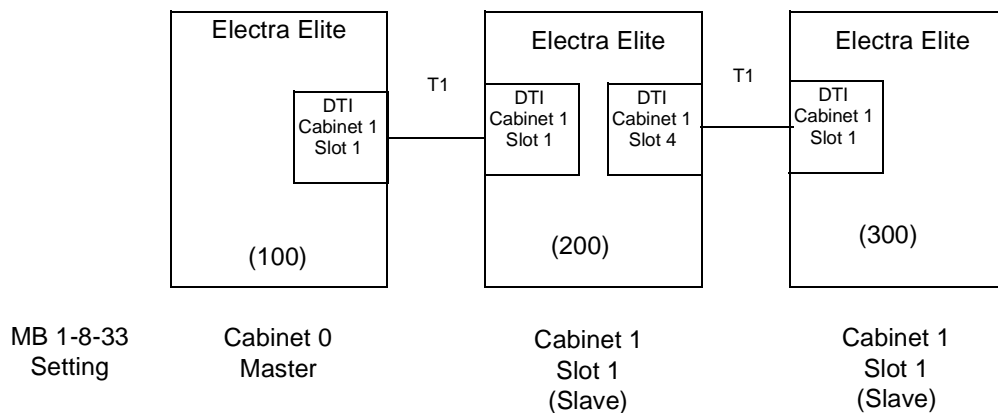
Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use dial pad to enter number of digits.
 -  Use the following to enter data:
 -  ~  to enter digits
 -  to move cursor left
 -  to move cursor right
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

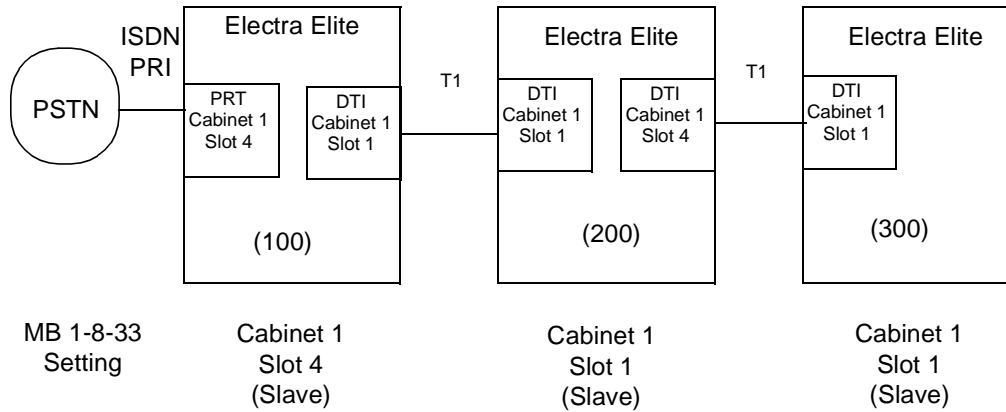
Default Values

Cabinet 0 (Master System)

Example 1: (Elite 100 is Master Clock Source)



Example 2: (The PSTN is Master Clock Source)



Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |



Notes



1. When ISDN/T1 or ISDN/T1 and Wireless trunks are installed, confirm that Switch SW1 is set to the proper position on the CLKG-U() Unit (ISDN.PHS) and assign this Memory Block for proper Master Clock setting.
2. When only Wireless is installed (No ISDN/T1), this Memory Block should be left at the default setting.

1-8-35 COM Port Baud Rate Setting Assignment

System Mode
1

Submode
8

Data No.
35

PC Programming
 +CSS

General Description

Use this Memory Block to specify the baud rates for individual COM ports.

Display

| Data No. | Title | Setting Data |
|-----------------------|---------|--------------|
| 35 | B D R T | 1 = 38.4 |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | | | | |
|------|------|------|------|--|--|--|--|
| 4.8 | 9.6 | 19.2 | 38.4 | | | | |

The shaded selection is the default. Baud Rates are in Kbps.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select the baud rate for each COM port.
- 4 Press to write the data, and advance to the next COM port.
- 5 Repeat steps 3 and 4 for each remaining COM port. The next Memory Block is displayed.
- 6 Program next Memory Block or press to go back on-line.

Default Values
 COM 1 = 38.4
 COM 2 = 4.8
 COM 3 = 9.6

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-5-13 | Printer Connected Selection |

Notes

COM 1 = PC Programming
 COM 1 = LCR
 COM 2 = Station Message Detail Recording (SMDR)
 COM 3 = Automatic Call Distribution [Not used by Electra Elite IPK Basic Port Package (48).]

1-8-36 COM Port Parity/Stop Bit Setting Assignment

System Mode
1

Submode
8

Data No.
36

PC Programming
Alt + CSS

General Description

Use this Memory Block to specify the Parity and Stop bit for the individual COM ports.

Display

| Data No. | Title | Setting Data |
|-----------------------|-------|--------------|
| 36 | P / S | 1 = NON / 1 |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|-------|--------|-------|------|------|------|------|
| NON/1 | NON/2 | EVEN/1 | ODD/1 | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + 3 6 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select the parity and stop bit setting.
- 4 Press Transfer to write the data, and advance to the next COM port.
- 5 Repeat steps 3 and 4 for each remaining COM port. The next Memory Block is displayed.
- 6 Program next Memory Block or press Speaker to go back on-line.

Default Values

COM 1 = Non/1
COM 2 = Non/1
COM 3 = Non/1

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-5-13 | Printer Connected Selection |



Notes



COM 1 = PC Programming
COM 1 = LCR
COM 2 = Station Message Detail Recording (SMDR)
COM 3 = Automatic Call Distribution [Not used by Electra Elite IPK Basic Port Package (48).]

1-8-37 General Purpose Relay Assignment

System Mode
1

Submode
8

Data No.
37

PC Programming
Alt **+BP**

General Description

Use this Memory Block to specify whether or not the General Purpose Relays on the ECR-U() ETU are used.

Display






| Data No. | Title | Relay No.0,1 | Setting Data |
|--------------|-------------|--------------|--------------|
| 37 | RELAY (0) | = | NO |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to specify whether or not relay 0 is used.
- 4 Press  to write the data and advance to relay 1.
- 5 Press  to write the data for relay 1. The next Memory Block is displayed.
- 6 Program next Memory Block or press  to go back on-line.

Default Values
NO

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-6-05 | Attendant Add-On Console Key Selection |

Notes

These General Purpose Relays are normally open relays.

1-8-38 *Modem Number For Remote Programming Assignment*











General Description

A socket modem can be installed on the MIFM-U() ETU when it is installed in S1 or S2 of the B64-U20 KSU. Use this Memory Block to assign the extension number for the socket modem.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 38 | MODEM | = |
| TIME DISPLAY | | |

Programming Procedures


- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use dial pad to enter number of digits.
 -  Use the following to enter data:
 -  ~  to enter digits
 -  to move cursor left
 -  to move cursor right
 -  Setting Data = maximum of 4 digits
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

Default Values

Not assigned

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |

| | |
|----------------|--|
| System Mode | 1 |
| Submode | 8 |
| Data No. | 38 |
| PC Programming |  + CSS |

1-8-40 ACD Hunt Time

General Description

Use this Memory Block to assign the time for hunting among the Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) agents that do not answer an ACD/UCD call.

Display

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 40 | ACD TIMER | IOS |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|-----------------|------|
| 10s | 20s | 30s | 60s | 120s | 240s | ∞ (No Limit) | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 + **4** **0** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to assign the value.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press **Speaker** to go back on-line.

Default Values

10 seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-8-25 | ACD/UCD Group Agent Assignment |
| 1-12-00 | ACD/UCD Group Pilot Number Assignment |
| 1-12-01 | ACD/UCD Group Overflow Destination Assignment |
| 1-12-02 | ACD/UCD Overflow Time Selection |

System Mode
1

Submode
8

Data No.
40

PC Programming
Alt + AA

1-8-43 Enhanced 911 Trunk Assignment

General Description

Use this feature to define an available loop-start trunk as a CAMA or an ISDN PRI trunk. When a user dials 911, the system seizes the E911 trunk and sends additional digits (CESID) to enable the PSAP center to recognize the callback telephone number. The E911 trunk must be connected to a COI(4)/(8)-U(), COID(4)/(8)-U(), COIB(4)-U(), or COIB(8)-U() Loop Start port and assigned to the system. When the system is installed at a K-CCIS Remote Office, the Trunk Group or Route Advance Block that connects to the Main Office is assigned.

System Software R2000 or higher is required to select a Trunk Group or Route Advance Block.

Display



| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 43 | 911 TRUNK | |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|------------|------|------|------|------|------|------|
| CO/PBX No. | TG/RAB No. | | | | | | |

The shaded selection is the default.


Programming Procedures


- Go off-line.
- Press LK1 + LK8 +   to access the Memory Block.
- Press Line Key to select CO/PBX No. or TG/RAB No.




Use the following to enter data:

 ~  to enter numeric data

 to move cursor left

 to move the cursor right

 to clear data





Setting Data: Not Specified (default)

CO No. 01~64

101~132 Trunk Group 01~32

201~232 Route Advance Block 01~32

System Software R1700 and lower only allows CO No. 01~64 to be entered.

- Press  to write the data. The next Memory Block is displayed.
- Program next Memory Block or press  to go back on-line.

System Mode

1

Submode

8

Data No.

43

PC Programming

 + AE

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 1-15-19 | Centralized 911 Allow/Deny Selection |
| 1-15-20 | Centralized 911 Originating Number Selection |
| 1-15-21 | Centralized 911 Look Ahead Routing Allow/Deny Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |

**Notes**

1. Only one CAMA or ISDN PRI trunk can be assigned per system.
2. The E911 trunk can be connected to a COI(4)/(8)-U(), COID(4)/(8)-U(), COIB(4)-U(), or COIB(8)-U() ETU. CAMA trunk support is provided on COIB(4)-U20 port 3 or COIB(8)-U10 ports 3 and 7 only. Other COI ETUs support CAMA trunks on all ports.
3. Information provided to the E911 system is called Caller Emergency Service Identification (CESID) that can be a 7- to 10-digit number. Caller ID can be used instead of CESID. The E911 Operator data base uses Caller ID or the CESID to provide a callback number and location for emergency response.
4. To seize the E911 trunk:
 - Dial 911 after receiving internal dial tone.
 - Dial 911 after accessing an outside trunk with a line key.
 - Dial 911 after accessing an outside trunk with an access code.

1-8-44 *Enhanced 911 Alternate Route Assignment*

General Description

Use this Memory Block to specify the trunk route or route advance block to be seized when the E911 trunk is busy. Normally, this Memory Block is left unassigned.

Display

| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 44 | 911 ALT RT | |
| TIME DISPLAY | | |

System Mode

1

Submode

8










Data No.

44

PC Programming

Alt **+AE**

Programming Procedures

- Go off-line.
- Press LK1 + LK8 +   to access the Memory Block.
- Use the dial pad to enter data.
 - Use the following to enter data:
 -  ~  to enter numeric data
 -  to move cursor left
 -  to move the cursor right
 -  to Clear Data.
 - Setting Data: Not Specified No Alternate Route (default)
 - 101~132 Trunk Group 01~32
 - 201~ 232 Route Advance Block 01~32
- Press  to write the data. The next Memory Block is displayed.
- Program next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 4-54 | Enhanced 911 CESID to Station Table |



Notes



One trunk group or one route advance block per system can be specified.

1-8-45 *Enhanced 911 Alternate Route Assignment (Maintenance Busy)*

System Mode
1

Submode
8

Data No.
45

PC Programming
Alt + AE












General Description

Use this Memory Block to specify the trunk route or route advance block to be seized when the E911 trunk is in maintenance busy or trouble out of service.

Display

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 45 | : 911 MNT | 101 |
| TIME DISPLAY | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Use the dial pad to enter data.
 -  Use the following to enter data:
 -  ~  to enter numeric data
 -  to move cursor left
 -  to move the cursor right
 -  to Clear Data.
 -  Setting Data: (Default: Trunk Group 01)
 - 101~132 Trunk Group 01~32 (Default 101 for Trunk Group 01)
 - 201~ 232 Route Advance Block 01~32
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 4-54 | Enhanced 911 CESID to Station Table |

**Notes**

1. When the E911 trunk is maintenance busy or trouble out of service, E911 calls are routed to the trunk group assigned by E911 Alternate Route Assignment.
2. One trunk group or one route advance block per system can be specified.

1-8-46 *Enhanced 911 Dialing Digit Assignment*

System Mode
1

Submode
8

Data No.
46

PC Programming
Alt **+AE**

General Description

Use this Memory Block to specify the number of digits to be sent when a call is originated by dialing 911.

System Software R2000 or higher is required to assign 9911.

Display





| Data No. | Title | Setting Data |
|----------|----------|--------------|
| 46 | 911 DIAL | 9911 |
| TIME | DISPLAY | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1 | 11 | 911 | 9911 | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to assign the value.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program next Memory Block or press  to go back on-line.

Settings

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-15-19 | Centralized 911 Allow/Deny Selection |
| 1-15-20 | Centralized 911 Originating Number Selection |
| 1-15-21 | Centralized 911 Look Ahead Routing Allow/Deny Selection |
| 4-54 | Enhanced 911 CESID to Station Table |

1-8-47 *Call Arrival Key Voice Mail Message Notification Assignment*










General Description

Use this Memory Block to assign the Call Arrival Key that is used to send Voice Mail message notification to other systems.

Display


| Data No. | Title | Setting Data |
|-----------------------|-----------|--------------|
| 47 | V M M S G | C A R |
| T I M E D I S P L A Y | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK8 +   to access the Memory Block.
- Enter Setting Data using the dial pad.
 - Use the following:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 - 2-Digit CAR: 10~89
 - 3-Digit CAR: 100~899
 - 4-Digit CAR: 1000~8999
 -  to clear all data when cursor is at setting position
- Press  to write the data. Memory Block 1-1-00 is displayed.
- Press  to go back on-line.

Default Values

Not Specified

| | |
|----------------|---|
| System Mode | 1 |
| Submode | 8 |
| Data No. | 47 |
| PC Programming |  + AV |

Related Programming


| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-46,47 | Access Code (1-Digit, 2-Digit) Assignment |
| 1-2-03 | 2-, 3-, or 4-Digit Station number selection |
| 1-2-04 | Call Arrival Key Block Assignment |
| 4-10 | Station Number Assignment |

1-8-48 Automatic Daylight Saving Time Selection

System Mode
1

Submode
8

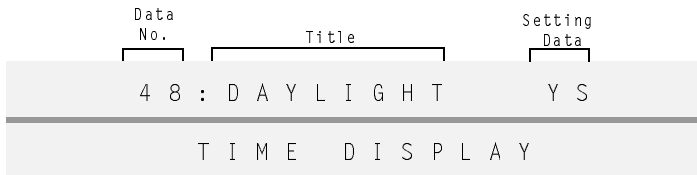
Data No.
48

PC Programming
 **+BM**

General Description

Use this Memory Block to allow (YS) or deny (NO) the system clock adjustment for Daylight Saving Time.

Display







Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the setting option.
- 4 Press  to write the selected data and display Memory Block 1-8-00.
- 5 Press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-27 | Automatic Day/Night Mode Switching Time Assignment |
| 1-1-32 | Automatic Day/Night Mode Switching by Day of Week Assignment |



Notes



When allow is set in this Memory Block, the system automatically sets the time ahead one hour on the first Sunday in April or sets the time back one hour on the last Sunday in October.

1-8-49 *New AA-Info Yes/No Selection*

General Description

Use this Memory Block to specify whether or not New AA-Info is allowed. New Application-to-Application (AA) Info is used with internal Voice Mail Systems [i.e., CMS()-U(), FMS()-U(), or VMS()-U() ETUs]. For external digital Voice Mail Systems and VP/CTI Systems, this Memory Block must be set to NO. Refer to Table 2-1 (Voice Mail AA-Info Settings).

R2000 or higher is required.

Display





| Data No. | Title | Setting Data |
|--------------|------------|--------------|
| 49 | NEW AAINFO | YS |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the setting option.
- 4 Press  to write the selected data and display next Memory Block or Memory Block 1-8-00.
- 5 Press  to go back on-line.

System Mode
1

Submode
8

Data No.
49


PC Programming
 **+AV**

Table 2-1 Voice Mail AA-Info Settings

| DOS Based Voice Mails | | |
|--|---|-----------------------------|
| Hardware Type | Voice Mail Q Revision | Correct AA Info Type |
| EliteMail U10/U20 | FMS Q26031 or lower VMS Q30931 or lower | OLD |
| EliteMail U20/U30 | ALL CMS FMS Q05631 or higher VMS Q00631 or higher | NEW |
| CMS-U30 | Q11131 or higher | NEW |
| FMS-U30 | Q21131 or higher | NEW |
| VMS-U30 | Q31131 or higher | NEW |
| VMP-U30/40 | Q21631, Q50131, G51231 or higher | NEW |
| Linux Based Voice Mails (EliteMail CTI/LX Lite) | | |
| VMP-U40 | ANY | NEW |
| OS/2 Based Voice Mails (EliteMail CTI/VP) | | |
| ANY | ANY | OLD |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card interface Slot Assignment |
| 7-2 | Telephone Type Assignment |
| 1-1-46 | Access Code (1-Digit) Assignment Functions 020, 025, 027, 030, 032~034, 140~145 |
| 1-1-47 | Access Code (2-Digit) Assignment Functions 020, 025, 027, 030, 032~034, 140~145 |
| 1-1-48 | Access Code (3-Digit) Assignment Functions 020, 025, 027, 030, 032~034, 140~145 |
| 1-2-24 | Intercom Feature Access Code Assignment Function 007 |
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 1, LK1 and LK5; Page 3, LK3 ON/OFF, Page 6, LK2 |
| 1-8-26 | Voice Mail Quick Transfer Master Hunt Number |
| 4-10 | Station Number Assignment |
| 4-14 | Intercom Master Hunt Number Selection |
| 4-15 | Intercom Master Hunt Number Forward Assignment |
| 4-17 | Station to Class of Service Feature Assignment |

**Notes**

Depending on the installed Digital Voice Mail system, set this Memory Block as follows:

| | |
|----|---|
| YS | Internal CMS, FMS, VMS, or VMP ETUs |
| NO | Internal EliteMail VP or CTI, External ElectraMail or ElectraMail CTI |

1-8-51 Call Park Selection

General Description

Use this Memory Block to assign either 10 or 40 Call Park – System Locations.

Display

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 51 | CALL PARK | 10 |
| TIME DISPLAY | | |

System Mode
1

Submode
8

Data No.
51





PC Programming
Alt+BTS

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------------|-------------------|------|------|------|------|------|------|
| 10 Park Locations | 40 Park Locations | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK8 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the selected data and display the next Memory Block.
- 5 Program next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-6-05 | Attendant Add-On Console Key Selection |



Notes



When a system is upgraded, 10 Park Locations are assigned as default.

1-9-00 DISA ID Code Assignment

General Description











Use this Memory Block to specify the Direct Inward System Access (DISA) ID Code number.

Display

| ID Buffer No. (01~C0) | Data No. | Title | Setting Data |
|--------------------------|----------|--------|--------------|
| 01 | / 00 | : CODE | = 0000 |
| T I M E D I S P L A Y | | | |

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 9 |
| Data No. | 00 |
| PC Programming | Alt +BD |

Programming Procedures

- Go off-line.
- Press LK1 + LK9 to access the Memory Block.
- Use the dial pad to enter the data.
 -  Setting Data:
 - 2-digit DISA ID Code: 00~99 (00 no data)
 - 3-digit DISA ID Code: 000~999 (000 no data)
 - 4-digit DISA ID Code: 0000~9999 (0000 no data)
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 -  to access the next assigned ID buffer number or cycle back to 1
 -  + 1, 2, 3 = A, B, or C for Port Number
 -  ID Buffer Number:
 - 01~99
 - A0~A9
 - B0~B9
 - C0
- Press  to write the data. Memory Block 1-9-02 is displayed.
- Repeat Steps 3 and 4 for each remaining sequential ID Buffer No. displayed after each password choice is made in Memory Block 1-9-02.

Default Values

If DISA ID Code is assigned as 2-digit:
 ID Buffer Number 01~10 = Code 10
 ID Buffer Number 11~20 = Code 11
 Thru
 ID Buffer Number B1~C0 = Code 21

If DISA ID Code is assigned as 3-digit:
 ID Buffer Number 01~C0 = Code 100~219

If DISA ID Code is assigned as 4-digit:
 ID Buffer Number 01~C0 = Code 1000
 and in 10s increments to 2190



Notes



- Assign 000 (No Data) for stations that are not installed or stations that are denied DISA access.
- This Memory Block cycles through ID Buffer Nos. alternating with Memory Block 1-9-02 password specification for each Buffer No.

1-9-02 *DISA Password Effect/Invalid Selection*

System Mode
1

Submode
9

Data No.
02

PC Programming
Alt **+BD**

General Description

Use this Memory Block to specify whether or not a Direct Inward System Access (DISA) Password is required. When NO is assigned, the calling party can use the DISA feature without a DISA Password.

This Memory Block is automatically displayed after data is written for each ID Buffer No. (01~CO for Electra Elite 192 or 01~48 for Electra Elite 48) in Memory Block 1-9-00. After password selection is entered, the next sequential ID Buffer NO. is displayed on Memory Block 1-9-00. This cycle is repeated until all DISA ID codes are assigned, and then cycles back to ID Buffer No. 1. Programming does not automatically cycle to Memory Block 1-10-00.

Display

| ID Buffer No. (01~CO) | Data No. | Title | Setting Data |
|--------------------------|----------|-----------------|--------------|
| 01 | 02 | P A S W O R D = | Y S |
| T I M E D I S P L A Y | | | |

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK9 + * 2 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
Setting Data:
NO (LK1) = DISA Password is not required.
YS (LK2) = DISA Password is required. Assign with MB 1-1-46~48 [Access Code (1-,2-, or 3-Digit) Assignment].
- 4 Press Transfer to write the data and return to the next Memory Block 1-9-00.
- 5 After last DISA ID Password decision is made, press Transfer to write the data and return to Buffer No. 01 on Memory Block 1-9-00.
- 6 Press Speaker to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

1-10-00 Call by Call Type of Network ID Assignment

General Description

Use this Memory Block to send the Type of Number ID (TNI) for each Route Advance Block (RAB). This setting data is sent in the TNI field of the NSF-IE (Network Specified Facility-Information Element) when making outgoing calls.

Display

| RAB 01~32 | Data No. | Title | Setting Data |
|-----------------------|-------------|---------|-----------------|
| 01 | / 00 | : T N I | = 2 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
10

Data No.
00

PC Programming
Alt +AY

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 to access the Memory Block.
- 3 Enter data using the dial pad.



Use the following to enter data:

***** and **#** to move the cursor

0 ~ **9** to enter data

Conf to select next RAB No.



Setting Data:

| | |
|------|---------------------------------|
| 0, 1 | Reserved (Not Used) |
| 2 | National Network Identification |
| 3~7 | Reserved (Not Used) |

- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program Memory Blocks 1-10-01~09. RAB 2 for this Memory Block is displayed.
- 6 Repeat steps 3, 4, and 5 for all RABs. After Memory Block 1-10-09 is programmed for RAB 32, Memory Block 1-10-20 is displayed.
- 7 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All RABS 2

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and Call by Call ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

1-10-01 Call by Call ID Plan Assignment

General Description

Use this Memory Block to send the Network ID Plan (NIP) for each Route Advance Block (RAB). This setting data is sent in the NIP field of the NSF-IE (Network Specified Facility-Information Element) when making outgoing calls.

Display

| RAB 01~32 | Data No. | Title | Setting Data |
|-----------------------|-------------|---------|-----------------|
| 01 | / 01 | : N I P | = 01 |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

10

Data No.

01

PC Programming

Alt **+AY**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + ***** **7** to access the Memory Block.

Default Values

All RABs 01

- 3 Enter data using the dial pad. Use the following to enter data:

***** and **#** to move the cursor

0 ~ **9** to enter data

Conf to select next RAB No.



Setting Data:

00 Reserved (Not Used)

01 Interexchange Carrier Code

02~15 Reserved (Not Used)

- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

1-10-02 *Call by Call Type of Number Assignment*

General Description

Use this Memory Block to send the Type of Number (TN) for each Route Advance Block (RAB). This setting data is sent in the TN field of the CPN-IE (Called Party Number-Information Element) when making outgoing calls.

Display

| RAB 01~32 | Data No. | Title | Setting Data |
|-----------------------|-------------|-------|-----------------|
| 01 | / 02 | : T N | = 0 |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

10

Data No.

02

PC Programming

Alt **+AY**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + ***** **2** to access the Memory Block.
- 3 Enter data using the dial pad.



Use the following to enter data:

***** and **#** to move the cursor

0 ~ **9** to enter data

Conf to select next RAB No.



Setting Data:

- | | |
|-----|---------------------------|
| 0 | Unknown |
| 1 | International Number |
| 2 | National |
| 3 | Network Specific Number |
| 4 | Subscriber (Local number) |
| 5~7 | Not Used |

- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All RABs 0

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

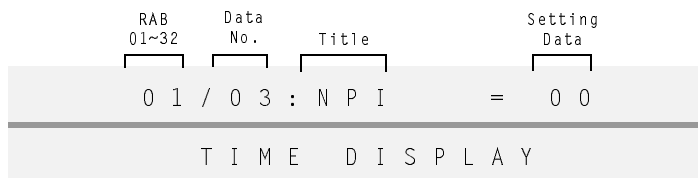
Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

1-10-03 *Call by Call Numbering Plan ID Assignment*

General Description

Use this Memory Block to send the Numbering Plan Identification (NPI) for each Route Advance Block (RAB). This setting data is sent in the NPI field of the CPN-IE (Called Party Number-Information Element) when making outgoing calls.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + to access the Memory Block.
- 3 Enter data using the dial pad.



Use the following to enter data:

and to move the cursor

~ to enter data

to select next RAB No.



Setting Data:

| | |
|-------|------------------------------|
| 00 | Unknown |
| 01 | ISDN Number Plan |
| 02 | Reserved (Not Used) |
| 03 | Data Numbering Plan (Future) |
| 04~08 | Not Used |
| 09 | Private Numbering Plan |
| 10~15 | Not Used |

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

System Mode

1

Submode

10

Data No.

03

PC Programming

+AY

Default Values

All RABs 00

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

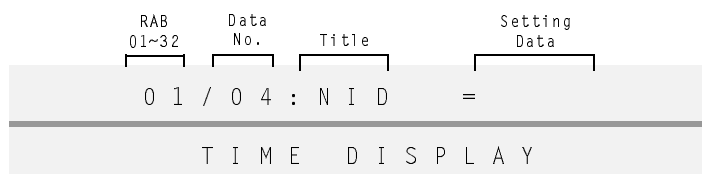
Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

1-10-04 Call by Call Network ID Assignment

General Description

Use this Memory Block to send the Network Identification (NID) for each Route Advance Block (RAB). This setting data is sent in the NID field of the CIC-IE (Carrier Identification Code-Information Element) when making outgoing calls.

Display



System Mode
1

Submode
10

Data No.
04

PC Programming
Alt + AY

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + to access the Memory Block.
- 3 Enter three or four digit data using the dial pad.
 - Use the following to enter data:
 - and to move the cursor
 - ~ to enter data
 - to select next RAB No.
 - to clear Setting Data
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

All RABs Unspecified

Related Programming

| M.B. Number | Memory Block Name |
|----------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

1. Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).
2. A three- or four-digit code is used to specify the setting data.

1-10-05 Call by Call Facility Coding Value Assignment (Service)

System Mode
1

Submode
10

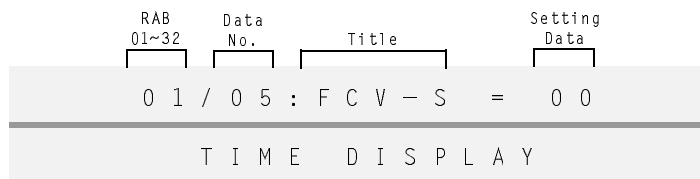
Data No.
05

PC Programming
Alt + AY

General Description

Use this Memory Block to specify the Facility Coding Value (Service) for each Route Advance Block (RAB). This setting data is sent in the FCV-S field of the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + ***** **5** to access the Memory Block.
- 3 Enter three or four digit data using the dial pad.



Use the following to enter data:

- *** and **#** to move the cursor
- 0** ~ **9** to enter data
- Conf** to select next RAB No.



Setting Data:



PRT ETU SW1

| Setting | Setting Data | Description |
|-------------------------------------|--------------|------------------------------------|
| | 00 | Non-CBC Route Advance Block (None) |
| | 01 | SDN (Software Defined Network) |
| 5ESS (Lucent) and 4ESS (AT&T) | 02 | MEGACOM800 |
| | 03 | MEGACOM |
| | 06 | ACCUNET (Future) |
| | 08 | International 800 |
| | 16 | AT&T MultiQuest (900 Service) |
| | 17 | INWATS |
| NI-2 (Nortel) | 18 | OUTWATS |
| | 19 | Foreign Exchange (FX) |
| | 20 | Tie Trunk (TIE) |
| | 01 | Private |
| DMS100 (Nortel) | 02 | INWATS |
| | 03 | OUTWATS |
| | 04 | Foreign Exchange (FX) |
| | 05 | Tie Trunk (TIE) |

Default Values

All RABs 00 (None)

Programming Procedures

- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|----------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |



Notes



SW1 is a 4-position DIP switch on the PRT(1)-U() ETU that is used to select the desired application.

1-10-06 Call by Call Facility Coding Value Assignment (Feature)

System Mode
1

Submode
10

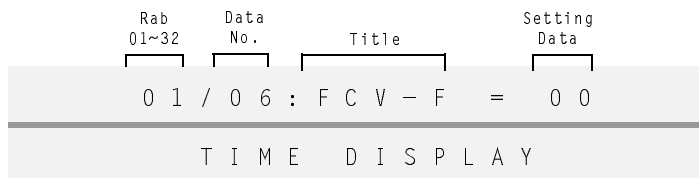
Data No.
06

PC Programming
Alt **+AY**

General Description

Use this Memory Block to specify the Facility Coding Value (Feature) for each Route Advance Block (RAB). This setting data is sent in the FCV-F field of the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + * (MNO) to access the Memory Block.
- 3 Enter three or four digit data using the dial pad.

- ✎ Use the following to enter data:
 - * and # to move the cursor
 - 0 (OPRN) ~ 9 (WX3Z) to enter data
 - Conf to select next RAB No.

✎ Setting Data:
PRT ETU SW1

| Setting | Setting Data | Description |
|-------------|--------------|------------------------------------|
| | 00 | Non-CBC Route Advance Block (None) |
| | 01~04 | Reserved (Not Used) |
| 5ESS (AT&T) | 05 | Operator (Local Exchange) |
| | 06 | Operator (Default-Common Carrier) |
| | 07~31 | Reserved (Not Used) |

Default Values

All RABs 00

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

SW1 is a 4-position DIP switch on the PRT(1)-U() ETU that is used to select the desired application.

1-10-07 *Call by Call Service Parameter Assignment*

General Description

Use this Memory Block to specify the Service Parameters for each Route Advance Block (RAB). This setting data is sent to the Service Parameters in the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls. Service Parameter Assignment is an Identification Number that is assigned when subscribing with the carrier for the different services.

Display

| RAB 01~32 | Data No. | Title | Setting 1~5 Data 1 | Setting Data 2 |
|-------------------------|-------------|-------|--------------------------|-------------------|
| 01 | / 07 | : S P | 1 = 0 | - 000 |
| T I M E D I S P L A Y | | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK10 + to access the Memory Block.
- Enter 1~5 digits for Setting Data using the dial pad.
 - Use the following to enter data:
 - and to move the cursor
 - ~ to enter data
 - to select next RAB No.
 - Setting Data No. 1 = 0 or 1 for each entry.
 - Setting Data No. 2 = Three-digit code 000~127 for each entry.
- Press to write the data. Digit 2 is displayed.
- Repeat Steps 3 and 4 for each remaining digit for RAB 1. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Default Values

All RABs 0~000

System Mode
1

Submode
10

Data No.
07

PC Programming
 +AY

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

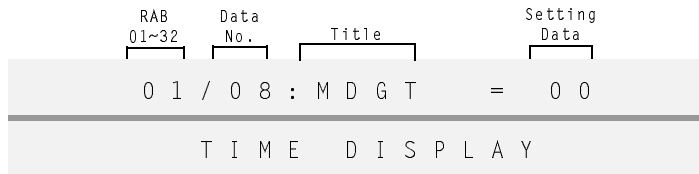
The Service Parameter is provided by the ISDN Service Provider.

1-10-08 Call by Call Max Digit Assignment

General Description

Use this Memory Block to specify the maximum digits dialed for each Route Advance Block (RAB). When the maximum digits are dialed, the PRT(1)-U() ETU sends SETUP information to the ISDN Provider (Network).

Display



System Mode
1

Submode
10

Data No.
08

PC Programming
Alt +AY

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK10 + ***** **8** to access the Memory Block.
- 3 Enter data using the dial pad.
 - Use the following to enter data:
 - *** and **#** to move the cursor
 - 0** **9** to enter data
 - Conf** to select next RAB No.
 - Setting Data = 00 (No Limit)
= 01~24 digits
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All RABs 00 (No Limit)

Related Programming

| M.B. Number | Memory Block Name |
|----------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

1-10-09 Call by Call Simulated Facility Group Assignment

General Description

Use this Memory Block to specify the Simulated Facility Group (SFG) for each Route Advance Block (RAB).

Display

| RAB 01~32 | Data No. | Title | Setting Data 00~16 |
|-----------------------|-------------|-------|-----------------------|
| 01 | / 09 | : SFG | = 00 |
| T I M E D I S P L A Y | | | |

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 10 |
| Data No. | 09 |
| PC Programming | Alt +AY |

Programming Procedures

- Go off-line.
- Press LK1 + LK10 + ***** **9** to access the Memory Block.
- Enter data using the dial pad.

| | |
|--|---|
| <p>Use the following to enter data:</p> <ul style="list-style-type: none"> * and # to move the cursor 0 ~ 9 to enter data Conf to select next RAB No. <p>Setting Data = 00 (Not Specified)</p> <p style="margin-left: 40px;">= 01~16</p> | <p>Default Values</p> <p>All RABs 00</p> |
|--|---|
- Press **Transfer** to write the data. The next RAB for Memory Block 1-10-00 is displayed. After data for RAB 32 is entered, SFG 1 for Memory Block 1-10-20 is displayed.
- Program Memory Block 1-10-20 or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-----------------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

This Memory Block specifies which RAB is linked to an SFG.

1-10-20 Call by Call Outgoing SFG Assignment

General Description

Use this Memory Block to specify the outgoing call service assignment for the Simulated Facility Group (SFG).

Display

| SFG 01~16 | Data No. | Title | Setting Data |
|-----------------------|-------------|-------|-----------------|
| 01 | / 20 | : 0 G | = 99 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
10

Data No.
20

PC Programming
Alt + AY

Programming Procedures

- Go off-line.
- Press LK1 + LK10 + to access the Memory Block.
- Enter data using the dial pad.



Use the following to enter data:

and to move the cursor

~ to enter data

to select next SFG No.



Setting Data = 01~64

= 99 (Not Specified)

- Press to write the data. The next Memory Block is displayed.
- Program Memory Blocks 1-10-21 and 1-10-22. The next SFG is displayed.
- Repeat Steps 3, 4, and 5 for each SFG. After SFG 16 data is programmed, RAB 1 of Memory Block 1-10-00 is displayed.
- Program the cycle again or press to go back on-line.

Default Values

All SFGs 99

Related Programming

| M.B. Number | Memory Block Name |
|----------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-21 | Call by Call Outgoing/ Incoming SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

1-10-21 Call by Call Outgoing/Incoming SFG Assignment

General Description

Use this Memory Block to specify the outgoing/incoming call service assignment for the Simulated Facility Group (SFG).

Display

| SFG 01~16 | Data No. | Title | Setting Data |
|-----------------------|-------------|-----------|-----------------|
| 01 | / 21 | : O G I C | = 99 |
| T I M E D I S P L A Y | | | |

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 10 |
| Data No. | 21 |
| PC Programming | Alt +AY |

Programming Procedures

- Go off-line.
- Press LK1 + LK10 + to access the Memory Block.
- Enter three or four digit data using the dial pad.
 - Use the following to enter data:
 - and to move the cursor
 - ~ to enter data
 - to select next SFG No.
 - Setting Data = 01~64
 - = 99 (Not Specified)
- Press to write the data. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Default Values

All SFGs 99

Related Programming

| M.B. Number | Memory Block Name |
|----------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46, 47, 48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-22 | Call by Call Incoming Type Selection |
| 1-13-03 | Call by Call Service Selection |
| 4-12 | Line Key Selection for Telephone Mode |

1-10-22 Call by Call Incoming Type Selection

General Description

Use this Memory Block to specify the type of trunk for each Simulated Facility Group (SFG).

Display

| SFG 01~16 | Data No. | Title | Setting Data |
|-----------------------|-------------|---------|-----------------|
| 01 | / 22 | : INCOM | DID |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

10

Data No.

22

PC Programming

Alt + AY

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| CO | DID | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK10 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - and to move the cursor
 - to select next RAB No.
- Press to write the data. The next SFG for Memory Block 1-10-20 is displayed. The SFG Memory Block 1-10-20~22 cycle is repeated until the data for SFG 16 is entered. RAB 1 is displayed for Memory Block 1-10-00.
- Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-46~48 | Access Code (1-, 2-, or 3-Digit) Assignment |
| 1-10-00 | Call by Call Type of Network ID Assignment |
| 1-10-01 | Call by Call ID Plan Assignment |
| 1-10-02 | Call by Call Type of Number Assignment |
| 1-10-03 | Call by Call Numbering Plan ID Assignment |
| 1-10-04 | Call by Call Network ID Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-10-04 | Call by Call Network ID Assignment |
| 1-10-05 | Call by Call Facility Coding Value Assignment (Service) |
| 1-10-06 | Call by Call Facility Coding Value Assignment (Feature) |
| 1-10-07 | Call by Call Service Parameter Assignment |
| 1-10-08 | Call by Call Max Digit Assignment |
| 1-10-09 | Call by Call Simulated Facility Group Assignment |
| 1-10-20 | Call by Call Outgoing SFG Assignment |
| 1-10-21 | Call by Call Outgoing/Incoming SFG Assignment |
| 1-13-03 | Call by Call Service Selection |

**Notes**

Refer to individual features in the Electra Elite IPK Features and Specifications Manual for correct routing of calls for Direct Inward Dialing.

1-11-00 T1 Signal Format Selection

General Description

Use this Memory Block to specify the signal format of the T1 trunk connected to the system. The signal format used (12- or 24-Multiframe) depends on the channel service unit/demarcation (CSU/D mark) equipment being used.

Display

| DTI No. (01~08) | Data No. | Title | Setting Data |
|-----------------------|-------------|-------|-----------------|
| 01 | 00 | FRAME | = 24 |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
11

Data No.
00


PC Programming
Alt +AD

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-------------|------|------|------|------|------|------|
| 12 (SF) | 24 (ESF) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 -  Setting Data:
 - SF = Superframe Format (12-Multiframe)
 - ESF = Extended Superframe Format (24-Multiframe)
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |



Notes



The DTI-U() ETU must be assigned in the system to set this Memory Block.

1-11-01 Clear Channel Selection

General Description

Use this Memory Block to specify the clear channel selection. when the Zero Byte Time channel is available, the CLKG-U() Unit cannot extract a clock signal from the T1 trunk. The T1 trunk modifies the Zero Byte Time channel to extract a clock signal for the CLKG-U() Unit.

Display

| DTI No. (01~08) | Data No. | Title | Setting Data |
|-----------------------|-------------|-------------------|-----------------|
| 01 | 01 | 0 B Y T E = Z C S | |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
11

Data No.
01





PC Programming
Alt +AD

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| ZCS | B8ZS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |

Notes

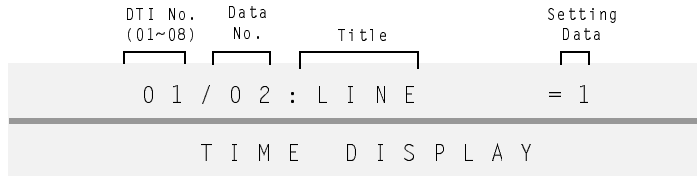
The DTI-U() ETU must be assigned in the system to set this Memory Block.

1-11-02 Line Length Selection

General Description

Use this Memory Block to specify the distance, in feet, between the channel service unit/demarcation (CSU/D mark) and the DTI-U() ETU. This specifies the equalization values of the detect signal in the DTI-U() ETU.

Display



System Mode
1

Submode
11

Data No.
02

PC Programming
Alt +AD

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------|------------------|------------------|------------------|------------------|------|------|------|
| 1 (0 - 131) | 2 (132 - 262) | 3 (263 - 393) | 4 (394 - 524) | 5 (525 - 655) | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

| Line Key | LCD Indication | Description |
|----------|----------------|--------------|
| LK 1 | 1 | 0~131 feet |
| LK 2 | 2 | 132~262 feet |
| LK 3 | 3 | 263~393 feet |
| LK 4 | 4 | 394~524 feet |
| LK 5 | 5 | 525~655 feet |

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |



Notes



The DTI-U() ETU must be assigned in the system to set this Memory Block.

1-11-03 IP K-CCIS Selection

General Description

Use this Memory Block to assign the IAD(8)-U() ETU used for K-CCIS over IP.

System Software R1500~R1700 or R2500 is required.

Display

| DTI No. (01~08) | Data No. | Title | Setting Data |
|-----------------------|-------------|---------|-----------------|
| 01 | 03 | CCISoIP | NO |
| T I M E D I S P L A Y | | | |

System Mode
1

Submode
11

Data No.
03





PC Programming
Alt **+AD**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 7-1 | Card Interface Slot Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing - Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |



Notes



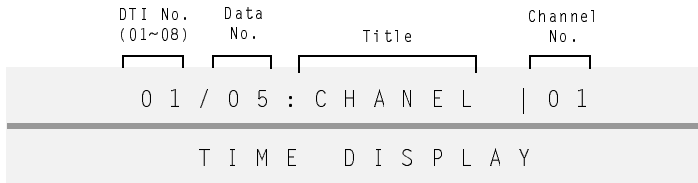
1. The IAD(8)-U() ETU is programmed as a DTI (DTI4 or DTI8) ETU in Memory Block 7-1 (Card Interface Slot Assignment) when used for K-CCIS over IP.
2. Assign this Memory Block to YS when IAD(8)-U() ETUs are installed with one of the following applications loaded:
 - IP CCH ETU [IP(K-CCIS)]
 - IP CCH ETU for NEAX [IP(K-CCIS) to NEAX (Point-to-Multipoint)]

1-11-05 T1 Channel Selection

General Description

Use this Memory Block to specify the digital trunk interface (DTI) channel numbers to be used.

Display



System Mode
1

Submode
11

Data No.
05

PC Programming
Alt **+AD**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select DTI channel number.

Use the following to enter data:

to go to the next page

Channel Numbers (01~24) correspond to CO/PBX line key.

| CO/PBX Line Key | Channel No. | | | Page |
|-----------------------|--------------|--------------|----------------|------|
| | DTI No. 1 | DTI No. 2 | DTI No. 3~8 | |
| 01~08 | 01~08 | 01~08 | 01~08 | 1 |
| 09~16 | 09~16 | 09~16 | 09~16 | 2 |
| 17~24 | 17~24 | 17~24 | 17~24 | 3 |

| CO/PBX Line LED | Off | On |
|--------------------|----------------------|-------------------|
| Data | No (Not Assigned) | Yes (Assigned) |

The shaded selection is the default.

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

- DTI No. 1 Channels 01~24 = Off
- DTI No. 2 Channels 01~24 = Off
- DTI No. 3 Channels 01~24 = Off
- DTI No. 4 Channels 01~24 = Off
- DTI No. 5 Channels 01~24 = Off
- DTI No. 6 Channels 01~24 = Off
- DTI No. 7 Channels 01~24 = Off
- DTI No. 8 Channels 01~24 = Off

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--------------------------------|
| 7-1 | Card Interface Slot Assignment |



Notes



The DTI-U() ETU must be assigned in the system to set this Memory Block.

1-11-06 Signaling Selection

General Description

Use this Memory Block to specify Loop Start (LS) or Ground Start (GS) Trunk Signaling when using T1.


Display

| DTI No. (01~08) | Data No. | Title | Channel No. | Setting Data |
|-----------------------|-------------|--------|----------------|-----------------|
| 01 | 06 | TRNK01 | = | LS |
| T I M E D I S P L A Y | | | | |

System Mode
1

Submode
11

Data No.
06





PC Programming
 **+AD**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| LS | GS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK11 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
- Press  to write data and advance to the next Channel No.
- Repeat Steps 3 and 4 for each Channel No. The next Memory Block is displayed.
- Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 1-11-07 | DTI Trunk Type Assignment |
| 7-1 | Card Interface Slot Assignment |

Notes

The DTI-U() ETU must be assigned in the system to set this Memory Block.

1-11-07 DTI Trunk Type Assignment

General Description

Use this Memory Block to assign the trunk type (CO/E&M Tie line/DID/ANI) four channels at a time. Assignment to an individual channel is impossible.

Display


| DTI No. (01~08) | Data No. | Title | Block No. 1~6 | Setting Data |
|--------------------|-------------|---------|---------------------|-----------------|
| 01 | 07 | TRK (1) | | CO |
| TIME DISPLAY | | | | |

System Mode
1

Submode
11

Data No.
07

PC Programming




 **+AD**

Settings



| LK 1 | LK 2 | LK 3 | LK 4 | LK 6 | LK 7 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| CO | E&M | DID | ANI | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK11 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 Use dial pad keys to change DTI Number (01~08).

| Block No. | 4-Channel Unit | | |
|-----------|----------------|-----------|-------------|
| | DTI No. 1 | DTI No. 2 | DTI No. 3~8 |
| 1 | 01~04 | 01~04 | 01~04 |
| 2 | 05~08 | 05~08 | 05~08 |
| 3 | 09~12 | 09~12 | 09~12 |
| 4 | 13~16 | 13~16 | 13~16 |
| 5 | 17~20 | 17~20 | 17~20 |
| 6 | 21~24 | 21~24 | 21~24 |

- Press  to write the data. The next Memory Block is displayed.
- Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--------------------------------|
| 1-11-06 | Signaling Selection |
| 7-1 | Card Interface Slot Assignment |

**Notes**

1. A DTI-U() ETU must be assigned in the system to set this Memory Block.
2. When the default setting is changed to E&M or DID, the affected trunks are automatically reassigned to Trunk Group 00. When trunks 01 ~ 08 are affected, default line key assignment for all Multiline Terminals changes to Not Used and must also be reassigned. Memory Block 3-14 resets to second dial.

1-11-08 Digits Delete for T1 ANI Assignment

System Mode
1

Submode
11

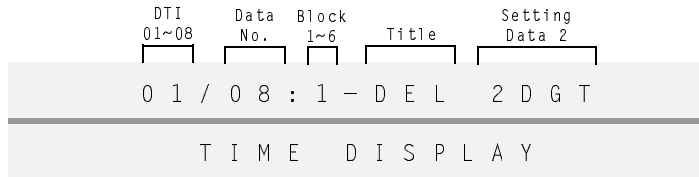
Data No.
08

PC Programming
Alt + AD

General Description

Use this Memory Block to delete the Information Digits received from the Network on Feature Group D Trunks.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 + to access the Memory Block.
- 3 Use the dial pad to enter Setting Data 1 and Setting Data 2.

Default Values

2

- Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter data
 - ~ to change DTI Number


Setting Data 1:

| Block No. | 4-Channel Unit | | |
|-----------|----------------|-----------|-------------|
| | DTI No. 1 | DTI No. 2 | DTI No. 3~8 |
| 1 | 01~04 | 01~04 | 01~04 |
| 2 | 05~08 | 05~08 | 05~08 |
| 3 | 09~12 | 09~12 | 09~12 |
| 4 | 13~16 | 13~16 | 13~16 |
| 5 | 17~20 | 17~20 | 17~20 |
| 6 | 21~24 | 21~24 | 21~24 |

- Setting Data 2:
 - 0 No Delete
 - 1~9 Number of Digits to Delete

- 4 Press to write the data. Memory Block 1-11-00 is displayed.

Programming Procedures

- 5 Program Memory Block 1-11-00 again or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 7-1 | Card interface Slot Assignment |
| 1-11-05 | T1 Channel Selection |
| 1-11-07 | DTI Trunk Type Assignment |

**Notes**

Example of ANI information: KP**009727517645**STKP**7100**ST.

| | |
|-------------------|--------------------|
| 00 | Information digits |
| 9727517645 | ANI information |
| 7100 | DNIS Digits |

1-12-00 ACD/UCD Group Pilot Number Assignment

General Description

Use this Memory Block to specify the Pilot Number of an Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group where incoming calls are terminated.

Display

| Group No. (1~4) | Data No. | Title | Setting Data (Pilot No. max. 4 Digits) |
|-----------------------|-------------|---------------|--|
| 01 | / 00 | : P I L O T = | |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

12

Data No.

00

PC Programming

Alt **+AA**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK12 to access the Memory Block.
- 3 Enter data using the dial pad.



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data



Setting Data:

- Pilot No.
- 2-digit (10~89)
- 3-digit (100~899)
- 4-digit (1000~8999)

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program Memory Block 1-12-01 and 1-12-02. The next Group No. is displayed.
- 6 Repeat Steps 3, 4, and 5 for each Group No. After Group 4 is programmed, Group 1 for Memory Block 1-12-00 is displayed.
- 7 Press to go back on-line.

Default Values

Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2-, 3-, 4-Digit Station Number Selection |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-8-25 | ACD/UCD Group Agent Assignment |
| 1-12-01 | ACD/UCD Group Overflow Destination Assignment |

1-12-01 ACD/UCD Group Overflow Destination Assignment

General Description

Use this Memory Block to specify the station or Station Hunt group where the overflow call of each Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) group is routed when incoming calls overflow.

Display

| Group No. (1~4) | Data No. | Title | Setting Data (Station No. max. 4 Digits) |
|-----------------------|-------------|-------------|--|
| 0 1 | / 0 1 | : O V F L W | = |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

12

Data No.

01

PC Programming

Alt +AA

Programming Procedures

- Go off-line.
- Press LK1 + LK12 + to access the Memory Block.
- Enter data using the dial pad.
 - The following are used when entering data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - Setting Data:
 - Station No.
 - 2-digit (10~89)
 - 3-digit (100~899)
 - 4-digit (1000~8999)
- Press to write the data. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Default Values

Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2-, 3-, 4-Digit Station Number Selection |
| 1-8-25 | ACD/UCD Group Agent Assignment |



Notes



1. An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.
2. UCD and ACD cannot be installed in the same system.

1-12-02 ACD/UCD Overflow Time Selection

General Description

Use this Memory Block to specify the maximum time a waiting Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) call remains at an ACD/UCD group before overflowing to a specified Station or Station Hunt group.

Display





| Group No. (1~4) | Data No. | Title | Setting Data |
|-----------------------|-------------|-----------------|-----------------|
| 0 1 | / 0 2 | : O V F T M R = | 6 0 |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| ∞ | 10 | 20 | 30 | 60 | 120 | 180 | 240 |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK12 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Group No. for Memory Block 1-12-00 is displayed.
- 5 Program Memory Blocks 1-12-00~02 for each Group No. After Group No. 4 is programmed, Group No. 1 for Memory Block 1-12-00 is displayed again.
- 6 Press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2-, 3-, 4-Digit Station Number Selection |
| 1-8-25 | ACD/UCD Group Agent Assignment |
| 1-12-01 | ACD/UCD Group Overflow Destination Assignment |



Notes



An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.

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1-13-00 PRT Channel Assignment

General Description

Use this Memory Block to assign the available B channels used for PRI.

Display



System Mode
1

Submode
13

Data No.
00

PC Programming
Alt +AN

Settings

Page 1

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Channel 1 | Channel 2 | Channel 3 | Channel 4 | Channel 5 | Channel 6 | Channel 7 | Channel 8 |

Page 2

| | | | | | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Channel 9 | Channel 10 | Channel 11 | Channel 12 | Channel 13 | Channel 14 | Channel 15 | Channel 16 |

Page 3

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Channel 17 | Channel 18 | Channel 19 | Channel 20 | Channel 21 | Channel 22 | Channel 23 | Channel 24 |

| | | |
|-----------------|-------------------|----------------|
| CO/PBX Line LED | Off | On |
| Data | No (Not Assigned) | Yes (Assigned) |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 7-1 | Card interface Slot Assignment |
| 1-13-01 | PRT Signal Format Selection |
| 1-13-02 | Clear Channel Selection |
| 1-13-03 | Call by Call Service Selection |
| 1-13-04 | PRT B Channel Outgoing Priority Selection |
| 1-13-05 | PRT B Channel-to-Trunk Group Assignment |

**Notes**

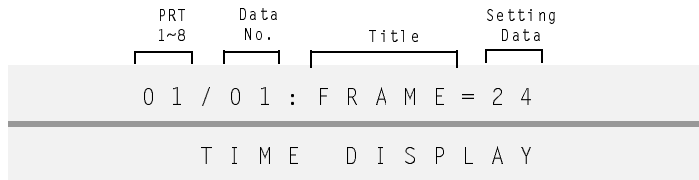
1. Only 16 Channels can be assigned with the Elite IPK Basic Port Package.
1. UP to eight PRT ETUs can be assigned.
2. PRT(1)-U() firmware, version 4.0 or higher is required for individual channel assignment.
3. When the PRT(1)-U() has firmware, version 3.6 or lower, available channels are Channel 1 to the last channel assigned in this Memory Block.
4. The number of available channels depends on the PRT(1)-U() assigned in Memory Block 7-1. For example, when PRT8 is assigned in Memory Block 7-1, any eight channels can be assigned (allowed) in this Memory Block. Any channel skipped (Not Assigned) is still an available channel from 0 to the last assigned channel.

1-13-01 PRT Signal Format Selection

General Description

Use this Memory Block to specify the signal format of the PRT trunk connected to the system. The signal format used (12- or 24-Multiframe) depends on the channel service unit/demarcation (CSU/D mark) equipment being used.

Display



System Mode
1

Submode
13

Data No.
01





PC Programming
Alt + AN

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-------------|------|------|------|------|------|------|
| 12 (SF) | 24 (ESF) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block2 is displayed.
- 5 Program the next Memory Block2 or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 7-1 | Card interface Slot Assignment |
| 1-13-01 | PRT Signal Format Selection |
| 1-13-03 | Call by Call Service Selection |
| 1-13-04 | PRT B Channel Outgoing Priority Selection |
| 1-13-05 | PRT B Channel-to-Trunk Group Assignment |

1-13-02 Clear Channel Selection

System Mode
1

Submode
13

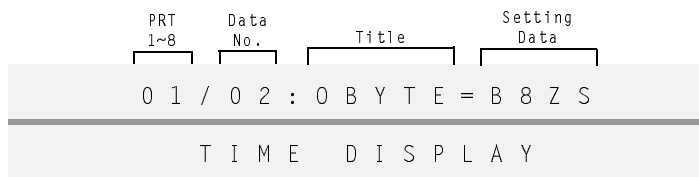
Data No.
02

PC Programming
Alt **+AN**

General Description

Use this Memory Block to specify the clear channel selection. When the Zero Byte Time channel is available, the CLKG-U() Unit cannot extract a clock signal from the PRT trunk. The PRT trunk modifies the Zero Byte Time channel to extract a clock signal for the CLKG-U() Unit.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| ZCS | B8ZS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

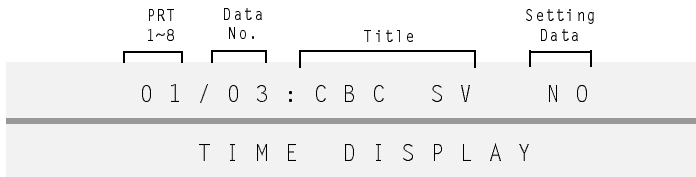
| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-13-00 | PRT Channel Assignment |
| 1-13-01 | PRT Signal Format Selection |

1-13-03 Call by Call Service Selection

General Description

Use this Memory Block to specify whether or not Call by Call Service is activated per PRT.

Display



System Mode
1

Submode
13

Data No.
03

PC Programming
Alt +AN

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press to write the data. Memory Block 1-13-00 is displayed again.
- 5 Press to go back on-line.

Related Programming


| M.B. Number | Memory Block Name |
|-------------|-------------------------|
| 1-13-00 | PRT Channel Assignment |
| 1-13-02 | Clear Channel Selection |

1-13-04 PRT B Channel Outgoing Priority Selection

System Mode
1

Submode
13

Data No.
04

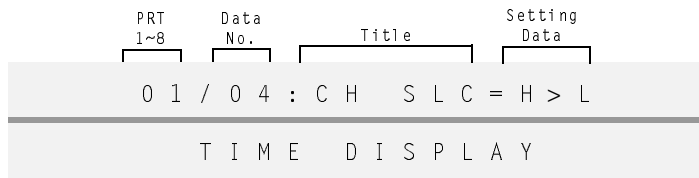
PC Programming
 **+AN**

General Description

Use this Memory Block to assign the Outgoing Priority for the B-channels when calls are originated on a PRT(1)-U() ETU.

This assignment is allowed by handset programming and SAT.

Display







Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------------|----------------------|------|------|------|------|------|------|
| H → L High to Low | L → H Low to High | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 1-13-00 | PRT Channel Assignment |
| 1-13-01 | PRT Signal Format Selection |
| 1-13-03 | Call by Call Service Selection |
| 1-13-05 | PRT B Channel-to-Trunk Group Assignment |
| 5-06 | Trunk Group Outgoing Priority Selection |



Notes



This Memory Block applies to all firmware versions of the PRT(1)-U() ETU.

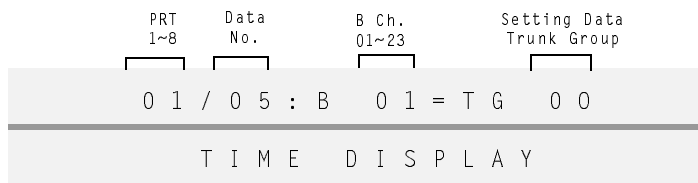
1-13-05 PRT B Channel-to-Trunk Group Assignment

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 13 |
| Data No. | 05 |
| PC Programming | Alt +AN |

General Description

Use this Memory Block to assign a Trunk Group Number to each B channel or any Trunk Group for each B channel. Changing this assignment is not normally required and default should be set. This Memory Block could be used when different trunks are used in the same PRI span or for a tenant application where multiple tenants share the PRI span and separation of B channels is required.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK13 + to access the Memory Block.
- 3 Use dial pad keys to enter Trunk Group.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
 - 00 is No Trunk Group
01~32 are Trunk Groups 01~32
- 4 Press to write the data and display the next B channel or next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

00, No Trunk Group

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 7-1 | Card Interface Slot Assignment |
| 1-13-00 | PRT Channel Assignment |
| 1-13-01 | PRT Signal Format Selection |
| 1-13-02 | Clear Channel Selection |
| 1-13-03 | Call by Call Service Selection |
| 1-13-04 | PRT B Channel Outgoing Priority Selection |
| 3-03 | Trunk-to-Trunk Group Assignment |
| 3-91 | Trunk Type Selection |

**Notes**

1. This Memory Block must be coordinated with Memory Block 3-03 (Trunk-to-Trunk Group Assignment). The number of assigned channels must be the same or greater (including default) than the number of trunks to a trunk group assigned in Memory Block 3-03.
For Example, When Memory Block 3-03 has five PRT trunks for Trunk Group 1, this Memory Block must have at least five B channels for Trunk Group 1.
2. This Memory Block applies only to PRT(1)-U() ETU firmware version 4.0 or higher.

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1-14-00 ARS Allow/Deny Selection

General Description

Use this Memory Block to specify system wide whether or not Automatic Route Selection (ARS) is allowed.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 00 | ARS | NO |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|----------------|------|------|------|------|------|------|
| NO (Deny) | YES (Allow) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK14 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **(Transfer)** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **(Speaker)** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-06 | ARS Digit Add Assignment |

System Mode
1

Submode
14

Data No.
00

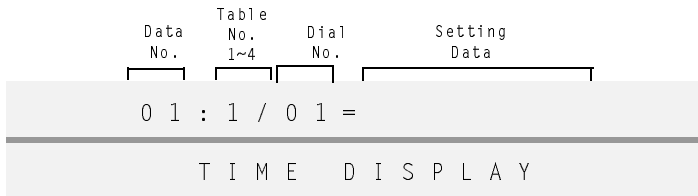
PC Programming
Alt + AB

1-14-01 ARS Dialing Assignment

General Description

Use this Memory Block to assign a dialing plan to one of four ARS Tables. Each table contains 128 maximum dialing assignments for the selected dialing plan.

Display



System Mode
1

Submode
14

Data No.
01

PC Programming
Alt + **AB**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK14 + to access the Memory Block.
- 3 Use dial pad keys to select Table number.

Default Values

None

- Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - to clear setting data
- Table No. 1~4 (Table Number is Class number)
- Dial No. 01~C8
- Setting Data:
 - 0~9, , , , X, P, N (8 Digit Maximum)
- Operation Data Includes:

| Operation Data | Dial | Operation |
|----------------|-------|------------|
| X | ~ , , | Redial + 7 |
| P | and | Redial + 8 |
| N | ~ | Redial + 9 |
| * | | Redial + * |
| # | | Redial + # |

- 4 Press to write the data. The next Dial No. is displayed.
- 5 Repeat Steps 3 and 5 for each Dial No. (01~C8) for Table 1. After Dial No. C8 is programmed, the next Table No. is displayed.
- 6 Repeat Programming cycle for each dial No. (01~C8) for Tables 2~4. The next Memory Block is displayed.
- 7 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-06 | ARS Digit Add Assignment |

**Notes**

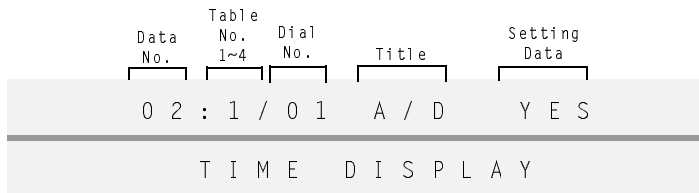
Entries A0~C8 are 100~128.

1-14-02 ARS Dial Allow/Deny Selection

General Description

Use this Memory Block to specify whether or not to Allow digits that are entered in the ARS dialing assignment to be routed using the ARS feature.

Display



System Mode
1

Submode
14

Data No.
02

PC Programming
Alt **+AB**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YES | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK14 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change the Setting Data option.
 - Use the following to enter data:
 - ~ to select data
 - to move cursor left
 - to move cursor right
- Press to write the data. The next Dial No. is displayed.
- Repeat Steps 3 and 4 for each Dial No. (01~C8) for Table 1. After Dial No. C8 is programmed, the next Table No. is displayed.
- Repeat Programming cycle for each Dial No.(01~C8) for Tables 2~4. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-01 | ARS Dialing Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-06 | ARS Digit Add Assignment |

**Notes**

1. Entries A0~C8 are 100~128.
2. When NO (Deny) is set, the other Memory Blocks for this dialing assignment do not have to be programmed.

1-14-03 ARS Route Table Number Assignment

General Description

Use this Memory Block to assign each ARS Dialing Assignment to an ARS Route Assignment.

Display

| Data No. | Table 1~4 | Dial No. | Title | Setting Data |
|-----------------------|-----------|----------|-------|--------------|
| 03 | : | 1 | / | 01 |
| | | | ROUTE | 00 |
| T I M E D I S P L A Y | | | | |

System Mode

1

Submode

14

Data No.

03

PC Programming

Alt **+AB**

Programming Procedures

- Go off-line.
- Press LK1 + LK14 + to access the Memory Block.
- Use dial pad keys to select Table number (1~4), Dial number (01~C8), and Route number (01~32).
 - Use the following to enter data:
 - ~ to select data
 - to move cursor left
 - to move cursor right
- Press to write the data. The next Dial No. is displayed.
- Repeat Steps 3 and 4 for each Dial No (01~C8) for Table 1. After Dial No. C8 is programmed, the next table No. is displayed.
- Repeat Programming cycle for dial Nos. 01~C8 for each Table (1~4). The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|----------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--------------------------|
| 1-14-06 | ARS Digit Add Assignment |

**Notes**

1. Entries A0~C8 are 100~128.
2. When ARS Route Assignment 00 is selected, the call is sent to Trunk Group 01 exactly as it was dialed.

1-14-04 ARS Trunk Group to Route Number Assignment

System Mode
1

Submode
14

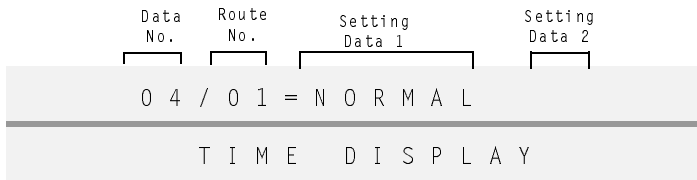
Data No.
04

PC Programming
Alt +AB

General Description

Use this Memory Block to specify whether a Trunk Group, Route Advance Block, or ICM is used for each Route assignment.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------------|-----------------|------|------|----------------|------|------|------|
| NORMAL (Originate) | TKGP (01~32) | | | RAB (01~32) | ICM | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK14 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change the Setting Data 1 option.
 - Use the following to enter data:
 - ~ to select Data Setting Data 2 Trunk Group Number (01~32) or Setting Data 2 RAB (01~32)
 - to move cursor left
 - to move cursor right
- Press to write the data. The next Route No. is displayed.
- Repeat steps 3 and 4 for each Route No. The next Memory Block is displayed.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|-----------------------------------|
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-06 | ARS Digit Add Assignment |
| 1-14-07 | ARS Max Digit Assignment |

**Notes**

1. When NORMAL is selected, the call is routed to Trunk Group 1 exactly as dialed.
2. ICM is used when the open numbering plan is used (K-CCIS).

1-14-05 ARS Digit Delete Assignment

General Description

Use this Memory Block to specify the number of digits to delete from the Route assignment.

Display

| Data No. | Title | Route No. | Setting Data |
|-----------------------|----------|-----------|--------------|
| 05 | : DELETE | 01 | = 00 |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

14











Data No.

05

PC Programming

Alt **+AB**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK14 +   to access the Memory Block.
- 3 Use dial pad keys  ~  to select Route No. (01~32) and number of digits (00~10).
 -  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  If Setting Data is 00, digits are not deleted.
- 4 Press  to write the data. The next Route No. is displayed.
- 5 Repeat steps 3 and 4 for each Route No. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-06 | ARS Digit Add Assignment |
| 1-14-07 | ARS Max Digit Assignment |

**Notes**

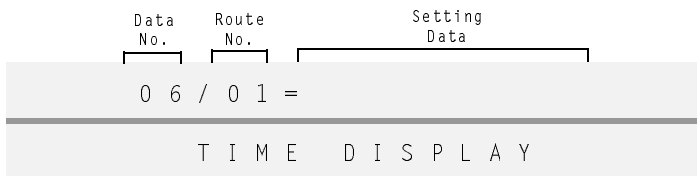
The maximum number of digits that can be deleted cannot exceed the number of digits used to route the call.

1-14-06 ARS Digit Add Assignment

General Description

Use this Memory Block to specify the number of digits to add to the Route assignment.

Display



System Mode
1

Submode
14

Data No.
06

PC Programming
Alt **+AB**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK14 + to access the Memory Block.
- 3 Use dial pad keys ~ , , to select Route No. (01~32) and enter the **Default Values** additional dialing digits. Not Specified
- Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - + to enter
 - + to enter
 - + to enter a pause
- 4 Press to write the data. The next Route No. is displayed.
- 5 Repeat steps 3 and 4 for each Route No. Memory Block 1-14-00 is displayed.
- 6 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-07 | ARS Max Digit Assignment |



Notes



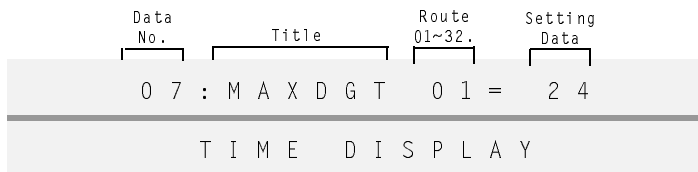
A maximum of 10 digits can be added to a route assignment.

1-14-07 ARS Max Digit Assignment

General Description

Use this Memory Block to specify the number of digits to be collected by the system before the message is sent to the network.

Display



System Mode
1

Submode
14

Data No.
07

PC Programming
Alt **+AM**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK14 + to access the Memory Block.
- 3 Use dial pad keys to enter Setting Data.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
- 4 Press to write the data.
- 5 Press to go back on-line.

Default Values

Length = 24 Digits
Valid range for setting data: 01~99

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-40 | LCR Class Selection |
| 1-1-30 | Route Advance Block Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 1-14-00 | ARS Allow/Deny Selection |
| 1-14-01 | ARS Dialing Assignment |
| 1-14-02 | ARS Dial Allow/Deny Selection |
| 1-14-03 | ARS Route Table Number Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |
| 1-14-05 | ARS Digit Delete Assignment |
| 1-14-06 | ARS Digit Add Assignment |

**Notes**

1. When 00 is set for this Memory Block, refer to Memory Block 1-1-81 (ISDN / K-CCIS Interval Time Selection) for the time it takes before the message is sent to the K-CCIS Network.
2. ARS Max Digit Assignment applies to K-CCIS Trunk Routes routed through Automatic Route Selection.

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1-15-00 K-CCIS Main/Remote Office Selection

General Description

Use this Memory Block to activate K-CCIS by assigning a Main or Remote system.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 00 | CCIS | NONE |
| TIME DISPLAY | | |

System Mode

1

Submode

15

Data No.

00

PC Programming

Alt +AW

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|--------|------|------|------|------|------|
| NONE | MAIN | REMOTE | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the data.
- 5 Press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. For Electra Elite IPK-to-Electra Elite IPK Network only one system can be set for Main. All other systems must be set from Remote.
2. When connected to a PBX, the Electra Elite IPK must be set for REMOTE in this Memory Block.
3. When this Memory Block is set to NONE, K-CCIS with point-to-point T1 lines does not function even when all other K-CCIS Memory Blocks are allowed.
4. The Main or Remote setting only applies to the Centralized Day/Night Mode Change - K-CCIS feature and only when using traditional K-CCIS with point-to-point T1 lines and IP(K-CCIS) to NEAX (Point-to-Multipoint) (**R2500 or higher**).
5. This Memory Block is not used and has no effect on the IP (K-CCIS) feature (**R1700 or lower**).

1-15-01 Common Signal Channel Data Speed Assignment

System Mode
1

Submode
15

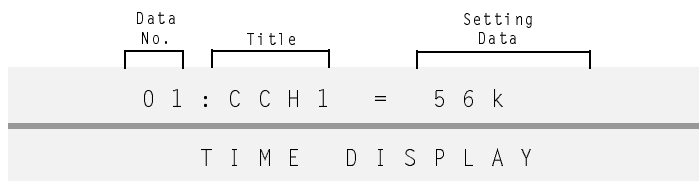
Data No.
01

PC Programming
Alt +AW

General Description

Use this Memory Block to assign the Data Transmission speed for each Common Signaling channel.

DisplayS



Settings

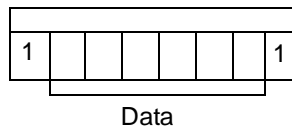
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|--------|--------|------|------|------|------|
| 64k | 56k | 48k(1) | 48k(2) | | | | |

The shaded selection is the default.

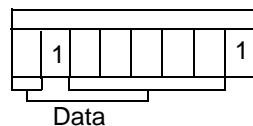
Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
 - Two adaptation rates are available with the 48 Kbps data transmission. The adaptation method must match the rate adaptation of the clock source office.

Data format for 48k(1) is as follows:



Data format for 48k(2) is as follows:



- 4 Press to write the data.
- 5 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

1-15-02 Common Signal Channel Assignment

General Description

Use this Memory Block to assign a T1 Trunk to be a Common Signaling Channel.

Display

| Data No. | Title | C-Channel 1~4 | Setting Data |
|-----------------------|-------|---------------|--------------|
| 02 | C S C | 1 | = C 0 0 0 |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

15

Data No.

02

PC Programming

Alt **+AW**

Programming Procedures

- Go off-line.
- Press LK1 + LK15 + to access the Memory Block.
- Use dial pad keys to enter Setting Data.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
- Press to write the data.
- Press to go back on-line.

Default Values:

00

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

Any DTI Trunk can be assigned as the C-Channel for K-CCIS connection.

1-15-03 Originating Point Code Assignment

General Description

Use this Memory Block to assign the originating point code for each Common Signaling Channel.

Display

| Data No. | Title | C-Channel 1~4 | Setting Data |
|--------------|---------|---------------|--------------|
| 03 | ORGCCH1 | | |
| TIME DISPLAY | | | |

System Mode

1

Submode

15











Data No.

03

PC Programming

Alt +AW

Programming Procedures

- Go off-line.
- Press LK1 + LK15 +   to access the Memory Block.
- Use dial pad keys to enter Setting Data.
 -  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  ~  to enter numeric data
 -  Point Code Range is 00001~16367.
- Press  to write the data.
- Press  to go back on-line.

Default Values:

Blank

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. Each C-Channel used must have an Originating Point Code assigned.
2. When more than one C-Channel is used, the same point code is used for each C-Channel.

1-15-04 Destination Point Code Assignment

General Description

Use this Memory Block to assign the Destination Point Code for each Common Signaling Channel.

Display

| Data No. | Title | C-Channel 1~4 | Setting Data |
|-----------------------|---------|---------------|--------------|
| 04 | DSTCCH1 | | |
| T I M E D I S P L A Y | | | |

System Mode

1

Submode

15











Data No.

04

PC Programming

Alt **+AW**

Programming Procedures

- Go off-line.
- Press LK1 + LK15 +   to access the Memory Block.
- Use dial pad keys to enter Setting Data.
 -  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  ~  to enter numeric data
 -  Point Code Range is 00001~16367.
- Press  to write the data.
- Press  to go back on-line.

Default Values:

Blank

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

Each C-Channel used must have a Destination Point Code assigned.

1-15-05 Destination Point Code Transfer Assignment

General Description











Use this Memory Block to assign the Destination Point Code to the associated Common Signaling Channel when K-CCIS commands are required to pass through a tandem system. This Memory Block is used for Centralized K-CCIS features.

With **R1500 or higher**, a CCH Channel *i* can be assigned for K-CCIS over IP.

Display

| Data No. | Table (001~255) | Point Code | C-Channel 1~4, i |
|-----------------------|--------------------|------------|---------------------|
| 05 | T001 | : | = 0 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK15 +   to access the Memory Block.
- Use dial pad keys to enter Setting Data.
Press Redial + 1 to assign *i* for K-CCIS over IP for R1500 or higher.
 -  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  ~  to enter numeric data
 -  Point Code Range is 00001~16367.
T001~T255 can be assigned.
- Press  to write the data.
- Press  to go back on-line.

Default Values:

Blank

System Mode

1

Submode

15

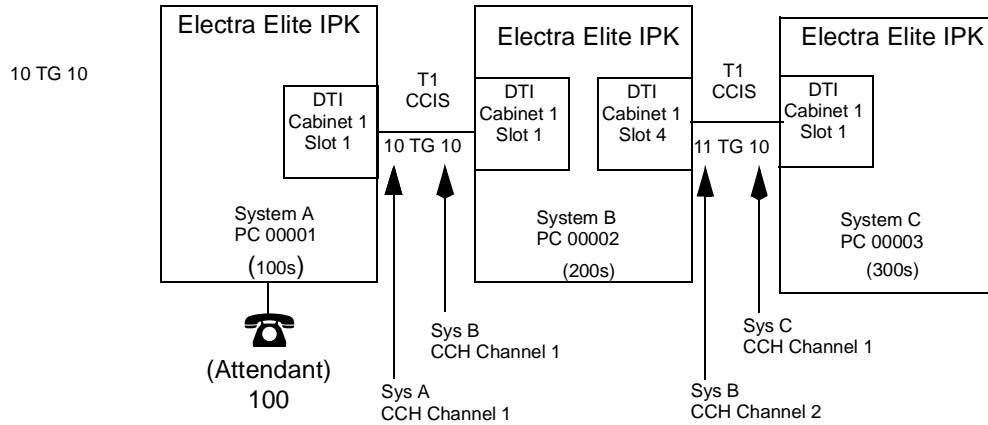
Data No.

05

PC Programming

 **+AW**

Example: Elite 100 is Master for Centralized Day/Night Mode Change (K-CCIS).



| System A (100s) | System B (200s) | System C (300s) |
|----------------------------|----------------------------|----------------------------|
| MB 1-15-03 CCH1 = PC 00001 | MB 1-15-03 CCH1 = PC 00002 | MB 1-15-03 CCH1 = PC 00003 |
| MB 1-15-04 CCH1 = PC 00002 | MB 1-15-04 CCH1 = PC 00001 | MB 1-15-04 CCH1 = PC 00002 |
| | MB 1-15-04 CCH2 = PC 00003 | |
| MB 1-15-05 Not assigned | MB 1-15-05 PC 00003 = CCH2 | MB 1-15-05 Not assigned |

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

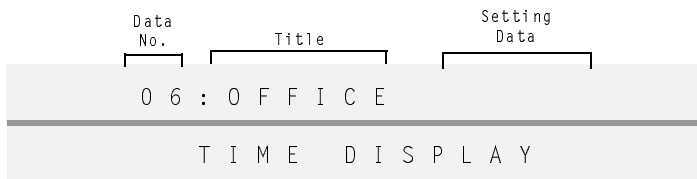
1. This Memory Block is required for the following K-CCIS features:
 - › Centralized Billing - K-CCIS
 - › Centralized Day/Night Mode Change - K-CCIS
 - › Centralized BLF (K-CCIS)
2. Assigning a CCH i channel is used for IP (K-CCIS) feature.

1-15-06 *Originating Office Code Number Assignment*

General Description

Use this Memory Block to assign the Office Code to the system when Open Numbering Plan is used.

Display



System Mode
1

Submode
15

Data No.
06

PC Programming
Alt +AW

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Use dial pad keys to enter Setting data.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
 - The Maximum Office Code Number can have four digits and should include the Access Code for the open numbering plan. Valid range is 0~9999.
- 4 Press to write the data.
- 5 Press to go back on-line.

Default Values:

Blank

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

The Access Code must be part of the Office Code Number Assigned.

1-15-07 *K-CCIS Message Response Timeout Assignment*

System Mode
1

Submode
15

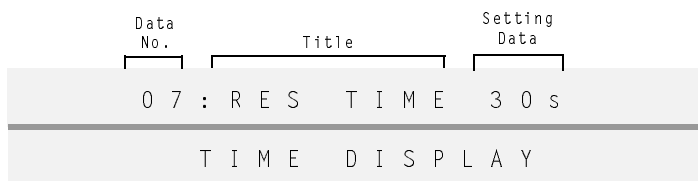
Data No.
07

PC Programming
Alt +AW

General Description

Use this Memory Block to assign the time before a call or message request is canceled when no response is received from the destination office.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Use dial pad keys to enter Setting data.
 - Use the following to enter data:
 - Use to move cursor left
 - Use to move cursor right
 - Use ~ to enter numeric data
 - Setting Data:
 - 00 = ∞ (Infinity)
 - 01~99 Seconds are valid times.
- 4 Press to write the data.
- 5 Press to go back on-line.

Default Values:

30 Seconds

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

When a response from the distant system is not received in the specified time, the system cancels the call. The user hears Reorder Tone and CONGESTION is displayed.

1-15-08 Link Reconnect Allow/Deny Selection

General Description

Use this Memory Block to allow or deny the Link Reconnect feature.

Display



System Mode
1

Submode
15

Data No.
08

PC Programming
Alt **+AW**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|---------------|------|------|------|------|------|------|
| NO (Deny) | YS (Allow) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press to write the data.
- 5 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. When NO is selected, Link Reconnect does not take place.
2. When Local Loop/Ground Start Trunks are used, and a disconnect signal is not received from the network, the time set in Memory Block 1-1-05 (Start Time Selection) applies for the reconnect to take place.

1-15-09 K-CCIS Maximum Call Forwarding Hop Assignment

General Description

Use this Memory Block to specify the maximum number of multiple Call Forwarding hops over the K-CCIS network.

Display



System Mode
1

Submode
15

Data No.
09

PC Programming
Alt **+AW**

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Use dial pad keys to enter Setting Data.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
- 4 Press to write the data.
- 5 Press to go back on-line.

Default Values:

5
Range: 1-7

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

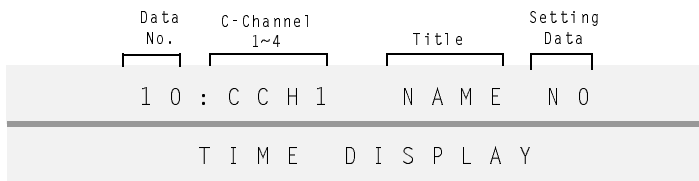
This Memory Block applies to both traditional K-CCIS with point-to-point T1 lines and IP (K-CCIS).

1-15-10 Calling Name Display Allow/Deny Selection

General Description

Use this Memory Block per Common Signaling Channel to allow or deny sending the station name.

Display



System Mode
1

Submode
15

Data No.
10

PC Programming
Alt +AW

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press to write the data.
- 5 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. This Memory Block determines whether or not the station name is sent to the distant system.
2. This Memory Block is not used with and has no effect on the IP (K-CCIS) feature.

1-15-11 Centralized Billing Allow/Deny Selection

System Mode
1

Submode
15

Data No.
11

PC Programming
Alt +AW

General Description

Use this Memory Block to assign the Electra Elite IPK to send billing to the Billing Center Office (NEAX2000/2400) across the K-CCIS network. Electra Elite IPK does not support receiving and managing billing information.

Display

| Data No. | Title | Setting Data |
|--------------|---------|--------------|
| 11 | BILLING | NO |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-------------|------|------|------|------|------|------|
| Deny NO | Allow YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press to write the data.
- 5 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

Memory Block 1-15-00 (K-CCIS Main/Remote Office Selection) does not apply for the Centralized Billing - K-CCIS feature.

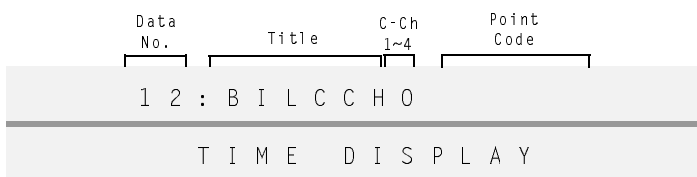
1-15-12 Centralized Billing – Point Code of Center Office Assignment

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 15 |
| Data No. | 12 |
| PC Programming | Alt +AW |

General Description

Use this Memory Block to assign the Common Signaling Channel number and point code of the Billing Center Office (NEAX2000/2400).

Display



Programming Procedures

- Go off-line.
- Press LK1 + LK15 + **1** **2** to access the Memory Block.
- Use dial pad keys to enter C-Channel and Point Code.
 - Use the following to enter data:
 - *** to move cursor left
 - #** to move cursor right
 - 0** ~ **9** to enter numeric data
 - Point code range is 00001~16367.
- Press **Transfer** to write the data, and display the next Memory Block.
- Press **Speaker** to go back on-line.

Default Values:

Blank

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**


1. The Electra Elite IPK can be only a Remote Office for a NEAX2000/2400 Billing Center Office.
2. When the Electra Elite IPK is a tandem office and Billing Information is not required, this assignment is not necessary.

1-15-13 Centralized Day/Night Switching for Remote Office Assignment

System Mode
1

Submode
15

Data No.
13

PC Programming
 **+AW**

General Description

Use this Memory Block to assign the Electra Elite IPK to switch Day/Night mode when it receives the command from a main office.

Display





| | | |
|-----------------------|---------------|--------------|
| Data No. | Title | Setting Data |
| 1 3 | : C E N D / N | N O |
| T I M E D I S P L A Y | | |

Settings

| | | | | | | | |
|-----------|------------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Deny (NO) | Allow (YS) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press  to write the data, and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. Memory Block 1-15-00 (K-CCIS Main/Remote Office Selection) is used for the Centralized Day/Night Switching - K-CCIS feature when using traditional K-CCIS with point-to-point T1 lines.
2. This Memory Block is used for the Remote Office only.

1-15-14 Centralized Day/Night Switching for Main Office Assignment

System Mode
1

Submode
15

Data No.
14

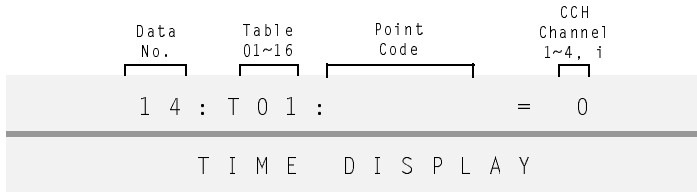
PC Programming
Alt +AW

General Description








Use this Memory Block to assign the Point Codes and the CCH Channel to control remote systems for Centralized Day/Night Switching.



A CCH Channel of i can be assigned for K-CCIS over IP (**R1500 or higher**).

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 +   to access the Memory Block.
- 3 Use dial pad keys to enter Table number, CCH Channel, and Point Code.
Press Redial + 1 to assign i for K-CCIS over IP (**R1500 or higher**).
-  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  ~  to enter numeric data

Point code range is 00001~16367.
Tables 01~16 can be assigned.
- 4 Press  to write the data, and display the next Memory Block.
- 5 Repeat Steps 3 and 4 for each table. The next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values:
All Tables Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 5-05 | Common Signaling Channel Route Selection |
| 1-1-05 | Start Time Selection |
| 1-5-02 | SMDR Print Format |
| 1-5-13 | Printer Connected Selection |
| 1-5-14 | Printer Line Feed Control Selection |
| 1-5-25 | SMDR Valid Call Time Assignment |
| 1-5-26 | SMDR Incoming/Outgoing Print Selection |
| 1-8-35 | COM Port Baud Rate Setting Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**


1. Memory Block 1-15-00 (K-CCIS Main/Remote Office Selection) is used for the Centralized Day/Night Switching feature.
2. This Memory Block is used for the Main Office only.
3. Up to 16 Remote Offices can be controlled by a Main Office.
4. The Electra Elite IPK cannot be a Main Office for a NEAX2000/2400 PBX.

1-15-15 Centralized BLF Send Point Code Assignment

System Mode
1

Submode
15

Data No.
15

PC Programming
 **+AW**

General Description








Use this Memory Block to assign the Destination Point Codes and the CCH Channel of systems to be sent Centralized BLF messages. A CCH Channel of i can be assigned for K-CCIS over IP.



R1500 or higher is required.

Display

| Data No. | Title | Group No. 1~8 | Point Code | CCH Channel 1~4, i |
|--------------|-------|------------------|------------|-----------------------|
| 15 | SEND1 | | | = 0 |
| TIME DISPLAY | | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 +   to access the Memory Block.
- 3 Use dial pad keys to enter Group No., CCH Channel, and Point Code.
Press Redial + 1 to assign i for K-CCIS over IP (**R1500 or higher**).
-  Use the following to enter data:
 -  to move cursor left
 -  to move cursor right
 -  ~  to enter numeric data

Point code range is 00001~16367.
Group No. 1~8 can be assigned.
- 4 Press  to write the data, and display the next Memory Block.
- 5 Repeat Steps 3 and 4 for each Group No.
- 6 Program the next Memory Block or press  to go back on-line.

Default Values:
All Tables Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 (Page 6, LK 2) |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 4-12 | Line Key Selection for Telephone Mode |
| 4-17 | Station to Class of Service Feature Assignment |
| 5-05 | Common Signaling Channel Route Assignment |

**Notes**

Up to eight Remote Offices can be sent Busy Lamp Field (BLF) status messages.

1-15-16 Centralized BLF Send Extension Number Assignment

System Mode
1

Submode
15

Data No.
16

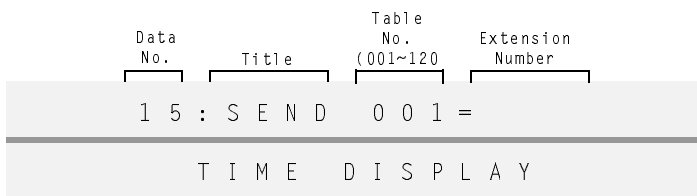
PC Programming
Alt **+AW**

General Description

Use this Memory Block to assign the Extension Numbers for sending Centralized BLF messages.

R1500 or higher is required.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Send Group 1 | Send Group 2 | Send Group 3 | Send Group 4 | Send Group 5 | Send Group 6 | Send Group 7 | Send Group 8 |

Programming Procedures

- Go off-line.
- Press LK1 + LK15 + to access the Memory Block.
- Use dial pad keys to enter Table number and Extension No.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
 - Three Digit Extension Number: 100~899
 - Four Digit Extension Number: 1000~8999
 - Tables 001~120 can be assigned.
- Press corresponding CO/PBX line key to select the Send Group No.
- Press to write the data, and display the next Memory Block.
- Repeat Steps 4 and 5 for each Send Group No.
- Program the next Memory Block or press to go back on-line.

Default Values:

All Tables Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 7-1 | Card Interface Slot Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 (Page 6, LK 2) |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 4-12 | Line Key Selection for Telephone Mode |
| 4-17 | Station to Class of Service Feature Assignment |
| 5-05 | Common Signaling Channel Route Assignment |

**Notes**

1. The Send Group Number selected by the Line Key is the Group number assigned in Memory Block 1-15-15 (Centralized BLF Send Point Code Assignment).
2. Up to 120 Extension Numbers (entries in the table) can be assigned to send BLF messages. With each assigned extension number, up to eight destination offices can be selected until 240 extension numbers are assigned.
3. A maximum of 240 total sending Extension Numbers (BLF messages) can be assigned. If 30 Extension Numbers (entries in the table) are assigned with each set for all eight groups (systems), the 240 limit is reached and no more Extension Numbers can be entered.
4. When a Send Group (Point Code) is cleared in Memory Block 1-15-15, it is also cleared in this Memory Block.

1-15-17 *Centralized BLF Send Time Assignment*

System Mode
1

Submode
15

Data No.
17

PC Programming
Alt +AW

General Description

Use this Memory Block to assign the time interval for sending BLF information across the K-CCIS Network.

R1500 or higher is required.

Display

| Data No. | Title | Setting Data |
|--------------|-----------|--------------|
| 17 | SEND TIME | 04s |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------|-----------------|------------------|------------------|------|------|------|------|
| 4 Seconds (04s) | 8 Seconds (08s) | 12 Seconds (12s) | 16 Seconds (16s) | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press to write the data, and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 7-3-01 | MIF (LCR) Assignment |
| 7-3-02 | MIF (SMDR) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-18 | Centralized BLF Display Extension Number Assignment |
| 3-70 | CIC Number Assignment |
| 4-12 | Line Key Selection for Telephone Mode |
| 4-17 | Station to Class of Service Feature Selection |
| 5-05 | Common Signaling Channel Route Selection |

**Notes**

The BLF messages are sent in a four-second cycle (at default), so some delay occurs to change the indication in the destination office. In the network configured with two systems, it can take four to five seconds (at default) to change the BLF indication in the destination office.

1-15-18 Centralized BLF Receive Extension Number Assignment

System Mode
1

Submode
15

Data No.
18

PC Programming
Alt **+AW**

General Description

Use this Memory Block to assign the Extension Numbers of remote systems to receive Centralized BLF messages.

R1500 or higher is required.

Display

| Data No. | Title | Table Number 001~120 | Extension Number |
|-----------------------|---------|-------------------------|------------------|
| 18 | : B L F | 001 | = _ |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + to access the Memory Block.
- 3 Use dial pad keys to enter Table No. and Extension No.
 - Use the following to enter data:
 - to move cursor left
 - to move cursor right
 - ~ to enter numeric data
 - Setting data includes:
 - Three Digit Extension Numbers: 100~899
 - Four Digit Extension Numbers: 1000~8999
 - Tables: 001~120
- 4 Press to write the data, and display the next Memory Block.
- 5 Repeat Steps 3 and 4 for each Table No.
- 6 Program the next Memory Block or press to go back on-line.

Default Values:
All Tables Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-1 | Card Interface Slot Assignment |
| 1-8-08 | Class of Service (Station) Feature Selection 2 (Page 6, LK 2) |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 1-15-11 | Centralized Billing Allow/Deny Selection |
| 1-15-12 | Centralized Billing – Point Code of Center Office Assignment |
| 1-15-13 | Centralized Day/Night Switching for Remote Office Assignment |
| 1-15-14 | Centralized Day/Night Switching for Main Office Assignment |
| 1-15-15 | Centralized BLF Send Point Code Assignment |
| 1-15-16 | Centralized BLF Send Extension Number Assignment |
| 1-15-17 | Centralized BLF Send Time Assignment |
| 3-70 | CIC Number Assignment |
| 4-12 | Line Key Selection for Telephone Mode |
| 4-17 | Station to Class of Service Feature Assignment |
| 5-05 | Common Signaling Channel Route Assignment |

**Notes**

1. Up to 120 remote Telephone's BLF can be received per system.
2. All Multiline Terminals in the system can assign DSS/BLF keys for the supported remote telephone's BLF.

1-15-19 Centralized 911 Allow/Deny Selection

System Mode
1

Submode
15

Data No.
19

PC Programming
Alt +AW

General Description

Use this Memory Block to assign the Electra Elite IPK installed as a Main Office to send the Calling Party Number out the CAMA trunk when an emergency 911 call is originated from a remote K-CCIS office.

This Memory Block is used at the main office and tandem offices.

R2000 or higher is required.

Display

| Data No. | Title | Setting Data |
|-----------------------|---------------|--------------|
| 19 | : C E N 9 1 1 | N O |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------|------------|------|------|------|------|------|------|
| NO (Deny) | YS (Allow) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + 7 9 WXYZ to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press Transfer to write the data, and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 1-15-20 | Centralized 911 Originating Number Selection |
| 1-15-21 | Centralized 911 Look Ahead Routing Allow/Deny Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |

**Notes**

1. Assign this Memory Block to YS (Allow) at the Main Office and all tandem offices to allow the Calling Party Number to be sent out on the CAMA or an ISDN PRI trunk when a 911 call is received from a remote K-CCIS system.
2. This system data must be set at the Main Office and any tandem office that passes E911 calls.

1-15-20 Centralized 911/Calling Party (CPN) Originating Number Selection

System Mode
1

Submode
15

Data No.
20

PC Programming
Alt **+AW**

General Description

Use this Memory Block to assign the Electra Elite IPK installed as a Remote K-CCIS Office to send the Station Number or CES-ID or Calling Party Number for Calling Party Number information to the Main Office when an Emergency 911 call is originated.

This Memory Block is used at remote offices only.

R2000 or higher is required.

Display





| Data No. | Title | Setting Data |
|----------|-----------------------|--------------|
| 20 | 911 ORG STA . | |
| | T I M E D I S P L A Y | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------------|-------------------|------|------|------|------|------|------|
| STA. (Station No.) | CESID (CES-ID) | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK1 + LK15 +   to access the Memory Block.
- Press the corresponding CO/PBX line key to change the Setting Data option.
- Press  to write the data, and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 1-15-19 | Centralized 911 Allow/Deny Selection |
| 1-15-21 | Centralized 911 Look Ahead Routing Allow/Deny Selection |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|--|
| 4-54 | Enhanced 911 CESID to Station Table Assignment |
| 4-62 | ISDN-PRI Directory Number |

**Notes**

1. Use this Memory Block for 911 outgoing calls from a remote office to select Station Number or CES-ID for Calling Party Number information. When the main office is a NEAX2000 or Electra Elite IPK, this data is set to CES-ID. When the main office is a NEAX2400, this data is set to Station Number.
2. This system data is used at remote offices only.
3. This Memory Block is used when the following K-CCIS features are used:
 - › Centralized E911 – K-CCIS
 - › Calling Party Number (CPN) Presentation from Station Information
4. Use Memory Block 4-54 (Enhanced 911 CESID to Station Table Assignment) to provide the CESID for 911 Calls.
5. Use Memory Block 4-62 (ISDN-PRI Directory Number) to provide The Calling Party Number (CPN) Presentation from Station Information.

1-15-21 Centralized 911 Look Ahead Routing Allow/Deny Selection

| | |
|----------------|----------------|
| System Mode | 1 |
| Submode | 15 |
| Data No. | 21 |
| PC Programming | Alt +AW |

General Description

Use this Memory Block to assign the Electra Elite IPK installed at a remote K-CCIS office to allow an alternate line to be used when all trunks at the main office are busy when an Emergency 911 call is originated at the remote K-CCIS office.

This Memory Block is used at remote offices only.

R2000 or higher is required.

Display

| Data No. | Title | Setting Data |
|--------------|-------------|--------------|
| 21 | 911 ROUTING | NO |
| TIME DISPLAY | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------|------------|------|------|------|------|------|------|
| NO (Deny) | YS (Allow) | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK15 + **2** **1** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the data, and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |
| 1-15-19 | Centralized 911 Allow/Deny Selection |
| 1-15-20 | Centralized 911 Originating Number Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |

**Notes**

1. When no outgoing trunks are available at the main or tandem office, and a 911 call is originated at the remote office, the following alternate outgoing process is applied when this Memory Block is set to YS (allow):

When a trunk number is assigned in Memory Block 1-8-43, and a Centralized 911 call is originated, the Electra Elite IPK searches for an idle trunk in the Trunk Group (TG)/Route Advance Block (RAB) assigned in Memory Block 1-8-44.

When an RAB is assigned in Memory Block 1-8-43, and a Centralized 911 call is originated, the Electra Elite IPK searches for an idle line in the TG that has lower priority in the route advance block assigned in Memory Block 1-8-43, and then searches for an idle line in the trunk group/route advance block assigned in Memory Block 1-8-44.

When a Centralized E911 call is originated by an RAB assigned by Memory Block 1-8-44, the Electra Elite IPK searches for an idle line in the Trunk Group with lower priority than the RAB assigned in Memory Block 1-8-44.

When a Centralized E911 call is originated by a TG assigned in Memory Block 1-8-44 or an idle line cannot be found in the outgoing line search process, the caller hears a busy tone with BUSY display.

2. This system data is used only at remote offices.

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1-16-00 Auto Negotiation Yes/No Selection

General Description

Use this Memory Block to specify whether or not Auto Negotiation is enabled for each port of the HUB(8)-U() ETU. When No is selected, Memory Block 1-16-01 (Port Speed Selection 10/100 Base -T) and Memory Block 1-16-02 (Port Duplex Mode Selection) are used. When equipment with auto negotiation function is connected to a port, ensure that the YS is set for this Memory Block.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|--------------|---------|----------|-------|--------------|
| 00 | 1 | 1 | AUTO | YS |
| TIME DISPLAY | | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **(Transfer)** to write the data.
- 5 Repeat steps 3 and 4 for each Port.
- 6 Press **(Speaker)** to go back on-line.

System Mode
1

Submode
16

Data No.
00

PC Programming
Alt +AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.

1-16-01 Port Speed Selection – 10/100 Base-T

System Mode
1

Submode
16

Data No.
01

PC Programming
Alt +AB

General Description

When Memory Block 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO, use this Memory Block to specify the Ethernet port speed as 10 Mbps or 100 Mbps for each port of each HUB(8)-U() ETU.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|--------------|---------|----------|-------|--------------|
| 01 | : | 1-1 | SPEED | 100 |
| TIME DISPLAY | | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 10 | 100 | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 0 OPER 7 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the data.
- 5 Repeat steps 3 and 4 for each port.
- 6 Press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. This Memory Block is effective only when Memory BLock 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO.

1-16-02 Port Duplex Mode Selection

General Description

When Memory Block 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO, use this Memory Block to specify duplex mode (HALF or FULL) for each port of each HUB(8)-U() ETU.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Setting Data | Title |
|--------------|---------|----------|--------------|-------|
| 02 | 1 | 1 | HALF | DUPL |
| TIME DISPLAY | | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| HALF | FULL | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 0 OPER 2 REC to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press Transfer to write the data.
- 5 Repeat steps 3 and 4 for each port of each HUB(8)-U() ETU.
- 6 Press Speaker to go back on-line.

System Mode
1

Submode
16

Data No.
02

PC Programming
Alt **+AB**

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. This Memory Block is effective only when Memory Block 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO.

1-16-03 MDI/MDIX Mode Selection

General Description

Use this Memory Block to specify an MDI/MDIX mode for each port of each HUB(8)-U() ETU.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|-----------------------|---------|----------|-------|--------------|
| 03 | 1 | 1 | MODE | AUTO |
| T I M E D I S P L A Y | | | | |

System Mode
1

Submode
16

Data No.
03

PC Programming
Alt + AB

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| MDIX | MDI | Auto | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 0 OPER 3 DEF to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press Transfer to write the data.
- 5 Repeat steps 3 and 4 for each Port of each HUB(8)-U() ETU.
- 6 Press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. MDI/MDIX is an Ethernet port connection using twisted-pair cable. Medium Dependent Interface (MDI) is the Media Attachment Unit (MAU) component that provides the physical and electrical connection to the cabling medium. An MDIX (MDI crossover) is an MDI version that enables cabling between like devices. MDI ports connect to MDIX ports using straight-through twisted-pair cabling; both MDI-to-MDI and MDIX to-MDIX connections use crossover twisted-pair cabling.

1-16-04 VLAN Mode Selection

| |
|-----------------------|
| System Mode |
| 1 |
| Submode |
| 16 |
| Data No. |
| 04 |
| PC Programming |
| Alt +AB |

General Description

Use this Memory Block to specify whether or not IEEE 802.1q VLAN Tagging is enabled for each HUB(8)-U() ETU. This Memory Block must also be enabled to use IEEE 802.p Priority. Priority options can be enabled in Memory Block 1-16-06 (Port Based Priority Selection), Memory Block 1-16-07(High Priority RX Tag Threshold), Memory Block 1-16-08 (High Priority TX Tag Assignment), and Memory Block 1-16-09 (Low Priority TX Tag Assignment).

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | Setting Data |
|--------------|---------|-------|--------------|
| 04 | : 1 | VLAN | NO |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 0 (OFFER) 4 (OH) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press (Transfer) to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU.
- 6 Press (Speaker) to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. A virtual (logical) LAN is a local area network with a definition that maps workstations on a basis other than geographic location (for example: department, user type, or primary application). The virtual LAN controller can change or add workstations and manage load balancing and bandwidth allocation easier than with a physical picture of the LAN. Network management software keeps track of relating the virtual picture of the LAN with the actual physical picture.
3. When VLAN Mode is enabled, the port based Tag VLAN feature can be used. In Tag VLAN mode, a received frame is switched according to a combination of the Address and VLAN ID. When the incoming frame is not tagged or VLAN ID = 0, the VLAN ID is set to the default assigned by Memory Block 1-16-05 (Default VLAN ID Assignment). Default LAN ID range is 0001~4095 (0x001~0xfff Hex).
4. For Tag VLAN feature, the HUB(8)-U() ETU has a VLAN table and an entry in the table is Media Access Control (MAC) address and VLAN ID source dependent. Therefore, multiple entries could have the same address with different VLAN IDs.

1-16-05 *Default VLAN ID Tag Insertion Assignment*

General Description

Use this Memory Block to insert VLAN ID tagging to data frames from network devices that cannot insert VLAN tags. When data without a VLAN tag is transmitted by the device on the port, a tag is inserted with the VLAN ID assigned by this Memory Block.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|-----------------------|---------|----------|-------|--------------|
| 05 | : | 1 - 1 | ID | = 0001 |
| T I M E D I S P L A Y | | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK16 + to access the Memory Block.
- Use dial pad keys to enter Setting data.
 - Use the following to enter data:
 - Use to move cursor left
 - Use to move cursor right
 - Use ~ to enter numeric data
 - VLAN ID range is 0001~4095 (0x001~ 0xff Hex).
- Press to write the data.
- Repeat steps 3 and 4 for each port.
- Press to go back on-line.

Default Values:

All ports = 0001

System Mode
1

Submode
16

Data No.
05

PC Programming
 +AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed per cabinet.
2. When Memory Block 1-16-04 (VLAN Mode Selection) is set to YS, this port based Tag VLAN feature can be used. In the Tag VLAN mode, a received packet is switched according to a combination of the MAC address and VLAN ID. When the incoming packet is not tagged or the VLAN ID = 0, the VLAN ID is set to the default ID specified by this Memory Block.

1-16-06 Port Based Priority Selection

System Mode
1

Submode
16

Data No.
06

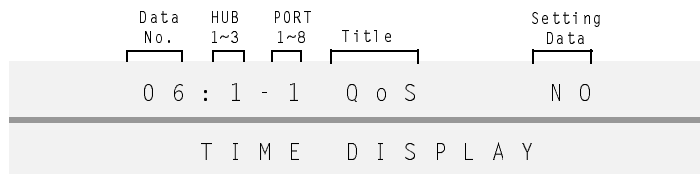
PC Programming
Alt **+AB**

General Description

Use this memory block to specify how frames, reaching the ingress port without VLAN tags are marked for queuing internally in the HUB(8). The HUB(8) has two queues: High Priority and Low Priority. When the frame reaches the egress port, settings for Memory Blocks 1-16-08 (for High Priority frames) and 1-16-09 (for Low Priority frames) for the egress port are used to convert the low or high priority queue to a VLAN tag priority (0~7). Set to NO (default), this Memory block does not mark frames for either queue; Memory Block 1-16-07 then determines the priority queue for where the frame is sent.

R1500 or higher is required.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------------|-----------|------------|------|------|------|------|------|
| NO (Not Assigned) | LO Low | HI High | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 0 6 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press Transfer to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU.
- 6 Press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. In networks, QoS indicates that transmission rates, error rates, and other characteristics can be measured, improved, and to some extent, guaranteed in advance. QoS is particularly important for continuous transmission of high-bandwidth video, multimedia, and voice information.
3. The HUB(8)-U() ETU has two priority assignment methods: Port Based Priority (frame received) or Tag Based Priority. Unknown Unicast Frames are always set for Low priority.

The Port Based Priority feature can assign priority of all frame except the Unknown Unicast Packets.

The priority of received packets is always that assigned by this Memory Block.
4. When LO or HI is selected, QoS mode follows the setting of this system data only, even when a tagged frame is received.
5. When NO is selected, the priority of a received frame follows the value of the priority field of the Tag in the received frame. Low or high priority depends on the setting of Memory Block 1-16-07 (High Priority RX Tag Threshold).

1-16-07 High Priority RX Tag Threshold

General Description













The HUB(8) has two queues: High Priority and Low Priority. When Memory Block 1-16-06 is set to NO, and the priority of the VLAN tag is equal to or greater than the setting in this block, the tag is queued for high priority. Otherwise, it is queued for low priority. When it is transmitted out the egress port of the HUB(8), it retains its original VLAN tag priority value.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|-----------------------|---------|----------|---------|--------------|
| 07 | 1 | 1 | HIGH RX | = 7 |
| T I M E D I S P L A Y | | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK16 +     to access the Memory Block.
- Use dial pad keys to enter Setting data.
 -  Use the following to enter data:
 - Use  to move cursor left
 - Use  to move cursor right
 - Use  ~  to enter numeric data
 -  Priority range is lowest 0~7 highest.
- Press  to write the data.
- Repeat steps 3 and 4 for each HUB(8)-U() ETU port.
- Press  to go back on-line.

Default Values:

All ports = 7

System Mode

1

Submode

16

Data No.

07

PC Programming

 + AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. This Memory Block selects which priority field to assign as High. When a received frame contains a Tag per IEEE802.1q definition, the HUB(8)-U() ETU can assign high priority based on this Memory Block.
3. This Memory Block is effective only when Memory Block 1-16-06 (Port Based Priority Selection) is set to **NO**.

1-16-08 High Priority TX Tag Assignment

General Description













For frames marked at the ingress port by Memory Block 1-16-06 as High Priority, this memory block setting on the egress port assigns a value (0 ~7) to the priority field of the VLAN tag. The default is 7.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|--------------|---------|----------|---------|--------------|
| 08 | 1 | 1 | HIGH TX | = 7 |
| TIME DISPLAY | | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK16 +     to access the Memory Block.
- Use dial pad keys to enter Setting data.
 -  Use the following to enter data:
 - Use  to move cursor left
 - Use  to move cursor right
 - Use  ~  to enter numeric data
 -  Priority range is lowest 0~7 highest.
- Press  to write the data.
- Repeat steps 3 and 4 for each port.
- Press  to go back on-line.


Default Values:

All ports = 7

System Mode
1

Submode
16

Data No.
08

PC Programming
 **+AB**

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. When the HUB(8)-U() ETU transmits a frame in VLAN mode, the priority field can be assigned for each frame transmitted by the assignment of this Memory Block.
This Memory Block assigns the priority value for High Priority frames. Memory Block 1-16-09 (Low Priority TX Tag Assignment) assigns the priority for Low Priority frames.

1-16-09 Low Priority TX Tag Assignment

General Description

For frames marked at the ingress port by Memory Block 1-16-06 as Low Priority, this memory block setting on the egress port assigns a value (0 ~7) to the priority field of the VLAN tag. The default is 0.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|--------------|---------|----------|--------|--------------|
| 09 | 1 | 1 | LOW TX | = 0 |
| TIME DISPLAY | | | | |

System Mode

1

Submode

16













Data No.

09

PC Programming

Alt **+AB**

Programming Procedures

- Go off-line.
- Press LK1 + LK16 +     to access the Memory Block.
- Use dial pad keys to enter Setting data.
 -  Use the following to enter data:
 - Use  to move cursor left
 - Use  to move cursor right
 - Use  ~  to enter numeric data
 -  Priority range is lowest 0~7 highest.
- Press  to write the data.
- Repeat steps 3 and 4 for each port.
- Press  to go back on-line.

Default Values:

All ports = 0

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. When the HUB(8)-U() ETU transmits a packet in VLAN mode, the priority field can be assigned for each frame transmitted by the assignment of this Memory Block.
This Memory Block assigns the priority value for Low Priority frames. Memory Block 1-16-08 (High Priority TX Tag Assignment) assigns the priority for High Priority frames.

1-16-10 Port Mirroring Selection

General Description

Use this Memory Block to specify whether or not Port Mirroring is enabled for each HUB(8)-U() ETU. The source port and the target port must be members of the same VLAN(s).

R1500 or higher is required.

Display







| Data No. | HUB 1~3 | Title | Setting Data |
|-----------------------|---------|-------------|--------------|
| 10 | : 1 | M I R R O R | N O |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------|----------------|------|------|------|------|------|------|
| NO (Normal) | YS (Mirror) | | | | | | |

The shaded selection is the default.


Programming Procedures

- Go off-line.
- Press LK1 + LK16 +     to access the Memory Block.
- Press the corresponding CO/PBX line key to change the option.
- Press  to write the data.
- Repeat steps 3 and 4 for each HUB(8)-U() ETU.
- Press  to go back on-line.

System Mode
1

Submode
16

Data No.
10

PC Programming
 **+AB**

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. The HUB(8)-U() ETU is an eight-port switching HUB. One port can be set as a source port, and one port can be set as a target port for port mirroring to monitor traffic data.
3. To allow this function, set this Memory Block to YS, and program Memory Block 1-16-11 (Mirroring Source Port Selection) and Memory Block 1-16-12 (Mirroring Target Port Selection).
4. When mirroring data to a PC for protocol analysis, an 802.1q/p-aware network interface card is required to capture tagged frames.

1-16-11 Mirroring Source Port Assignment

General Description

When Port Mirroring is enabled in Memory Block 1-16-10 (Port Mirroring Selection), use this Memory Block to specify a port with data to be monitored on another port specified by Memory Block 1-16-12 (Mirroring Target Port Assignment) for each HUB(8) -U() ETU. The source port and target port must be in the same VLAN(s).

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | Setting Data |
|-----------------------|---------|-------------|--------------|
| 11 | : 1 | S O U R C E | = 1 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK16 + to access the Memory Block.
- Use dial pad keys to enter Setting Data.
 - Use the following to enter data:
 - Use to move cursor left
 - Use to move cursor right
 - Use ~ to enter numeric data
 - Port range is 1~8.
- Press to write the data.
- Repeat steps 3 and 4 for each HUB(8)-U() ETU.
- Press to go back on-line.

Default Values:

Port 1

System Mode

1

Submode

16

Data No.

11

PC Programming

+ AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. The HUB(8)-U() ETU is an eight-port switching HUB. One port can be set as a source port, and one port can be set as a target port for port mirroring to monitor traffic data.

To allow this function, set Memory Block 1-16-10 (Port Mirroring Selection) to YS, and program Memory Block 1-16-12 (Mirroring Target Port Selection).

1-16-12 Mirroring Target Port Assignment

General Description

When Port Mirroring is enabled in Memory Block 1-16-10 (Port Mirroring Selection), use this Memory Block to specify a target port that monitors frames transmitted on the source port specified by Memory Block 1-16-11 (Mirroring Source Port Assignment) for each HUB(8)-U() ETU. The source port and target port must be in the same VLAN(s).

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | Setting Data |
|-----------------------|---------|-------------|--------------|
| 1 2 | : 1 | T A R G E T | = 1 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- Go off-line.
- Press LK1 + LK16 + to access the Memory Block.
- Use dial pad keys to enter Setting data.
 - Use the following to enter data:
 - Use to move cursor left
 - Use to move cursor right
 - Use ~ to enter numeric data
 - Port range is 1~8.
- Press to write the data.
- Repeat steps 3 and 4 for each HUB(8)-U() ETU.
- Press to go back on-line.

Default Values:

Port 1

System Mode

1

Submode

16

Data No.

12

PC Programming

+ AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. The HUB(8)-U() ETU is an eight-port switching HUB. One port can be set as a source port, and one port can be set as a target port for port mirroring to monitor traffic data.

To allow this function, set Memory Block 1-16-10 (Port Mirroring Selection) to YS, and program Memory Block 1-16-11 (Mirroring Source Port Selection).
3. When mirroring data to a PC for protocol analysis, an 802.1q/p-aware network interface card is required to capture tagged frames.

1-16-13 VLAN Group to VLAN ID Assignment

General Description

Use this Memory Block to create a list of valid VLAN IDs to be recognized by the HUB(8)-U() ETU.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | VLAN Gp 01~16 | Setting Data |
|-----------------------|---------|-------|---------------|--------------|
| 13 | : 1 | 1 D | 0 1 | = 0 0 0 0 |
| T I M E D I S P L A Y | | | | |

System Mode

1

Submode

16

Data No.

13

PC Programming

Alt **+AB**

Programming Procedures

- Go off-line.
- Press LK1 + LK16 + to access the Memory Block.
- Use dial pad keys to enter Setting data.
 - Use the following to enter data:
 - Use to move cursor left
 - Use to move cursor right
 - Use ~ to enter numeric data
 - ID range is 0001~4095 (0x001~ 0xff Hex).
- Press to write the data.
- Repeat steps 3 and 4 for each HUB(8)-U() ETU and VLAN Group.
- Press to go back on-line.

Default Values:

0000

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.

1-16-14 Port VLAN Group Membership

General Description

Use this Memory Block to create a list of accepted VLANs for each port. When Memory Block 1-16-04 (VLAN Mode Selection) is set to YS, each port accepts frames tagged with VLAN IDs only when the port is programmed as a member of that VLAN Group. Frames without VLAN tags are also permitted. When Port Mirroring is used, the source and target ports must be members of the same VLAN(s).

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | VLAN Gp 01~16 | Port 1~8 | Setting Data |
|-----------------------|---------|-------------|---------------|----------|--------------|
| 14 | : 1 | P O R T 0 1 | = 1 | | N O |
| T I M E D I S P L A Y | | | | | |

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 7 4_{CH} to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press **Transfer** to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU and VLAN Group.
- 6 Press **Speaker** to go back on-line.

System Mode
1

Submode
16

Data No.
14

PC Programming
Alt + AB

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. When this Memory Block is set to **YS**, the port becomes a member of the VLAN GRP.

1-16-15 VLAN Tag Insertion Selection

General Description

Use this Memory Block to specify whether or not the port should insert VLAN tags in frames transmitted on this port. When this Memory Block is set to NO, tags are deleted from frames of the same VLAN Group transmitted on this port.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | Title | VLAN Gp 01~16 | Port 1~8 | Setting Data |
|-----------------------|---------|-------|---------------|----------|--------------|
| 15 | : 1 | T A G | 0 1 | = 1 | N O |
| T I M E D I S P L A Y | | | | | |

System Mode
1

Submode
16

Data No.
15

PC Programming
Alt +AB

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 7 5_{INL} to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press **Transfer** to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU and VLAN Group.
- 6 Press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-16 | Flow Control for Full Duplex Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

1. Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.
2. When this Memory Block is set to **NO**, the Tag is deleted from the packet for transmission on this port with the specific VLAN GRP.

1-16-16 *Flow Control for Full Duplex Selection*

General Description

Use this Memory Block to specify whether or not Full duplex IEEE802.3x Flow Control is enabled for each HUB(8)-U() ETU port.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|-----------------------|---------|----------|-------|--------------|
| 16 | 1 | 1 | FLOW | NO |
| T I M E D I S P L A Y | | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 7 6 (MNO) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press (Transfer) to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU port.
- 6 Press (Speaker) to go back on-line.

System Mode
1

Submode
16

Data No.
16

PC Programming
Alt **+AB**

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-17 | Back Pressure for Half Duplex Selection |

**Notes**

Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.

1-16-17 Back Pressure for Half Duplex

General Description

Use this Memory Block to specify whether or not half-duplex Back Pressure Flow Control is enabled for each HUB(8)-U() ETU port.

R1500 or higher is required.

Display

| Data No. | HUB 1~3 | PORT 1~8 | Title | Setting Data |
|-----------------------|---------|----------|-------|--------------|
| 17 | 1 | 1 | BACK | NO |
| T I M E D I S P L A Y | | | | |

System Mode
1

Submode
16

Data No.
17

PC Programming
Alt + AB

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK16 + * * 7 7 (PORS) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the option.
- 4 Press Transfer to write the data.
- 5 Repeat steps 3 and 4 for each HUB(8)-U() ETU port.
- 6 Press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Selection |
| 1-16-00 | Auto Negotiation Yes/No Selection |
| 1-16-01 | Port Speed Selection – 10/100 Base T |
| 1-16-02 | Port Duplex Mode Selection |
| 1-16-03 | MDI/MDIX Mode Selection |
| 1-16-04 | VLAN Mode Selection |
| 1-16-05 | Default VLAN ID Tag Insertion Assignment |
| 1-16-06 | Port Based Priority Selection |
| 1-16-07 | High Priority RX Tag Threshold |
| 1-16-08 | High Priority TX Tag Assignment |
| 1-16-09 | Low Priority TX Tag Assignment |
| 1-16-10 | Port Mirroring Selection |
| 1-16-11 | Mirroring Source Port Assignment |
| 1-16-12 | Mirroring Target Port Assignment |
| 1-16-13 | VLAN Group to VLAN ID Assignment |
| 1-16-14 | Port VLAN Group Membership |
| 1-16-15 | VLAN Tag Insertion Selection |
| 1-16-16 | Flow Control for Full Duplex Selection |

**Notes**

Only one HUB(8)-U() ETU can be assigned and installed for each cabinet.

2-01 *Trunk to Tenant Assignment*

General Description

Use this Memory Block to assign CO/PBX lines to a tenant.

Display



Tenant Mode
2

Submode
—

Data No.
01

PC Programming
Alt **+BN**

Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Page 3

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Page 4

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

Page 5

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

Page 6

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 4/ |

Page 7

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |

Page 8

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 57 | 58 | 59* | 60 | 21 | 62 | 63 | 64 |

All line keys are assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data
- to go to the next assigned Tenant No.
- to go to the next page
- to go to the previous page



Data Options:

| CO/PBX Line LED | Off | On |
|-----------------|----------------------|-------------------|
| Data | No (Not Assigned) | Yes (Assigned) |

Default Values

Tenant 00 = All trunks are assigned
 Tenant 01~47 = Not assigned

- 4 Press to write the data. The next Memory Block is displayed.
- 5 Program Memory Blocks 2-05~2-09. The next Tenant No. is displayed.
- 6 Repeat steps 3, 4, and 5 for each Tenant No. Memory Block 2-01 Tenant 00 is displayed.
- 7 Press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 2-05 | Line Key Selection |
| 4-09 | Telephone to Tenant Assignment |



Notes




When data is changed while the system is busy, DATA ENTRY is displayed at the programming station until the system becomes idle.

2-05 *Line Key Selection*

Tenant Mode
2

Submode
—

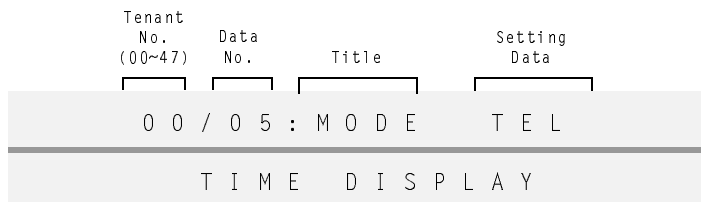
Data No.
05

PC Programming
 **+BN**

General Description

Use this Memory Block to select Tenant-Wide Mode or Telephone Mode line key assignment for each tenant.

Display







Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| TNAT | TEL | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option to TNAT.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 2-06 | Line Key Selection for Tenant Mode |
| 4-12 | Line Key Selection for Telephone Mode |

Notes

1. Mixed use of Tenant-Wide Mode and Telephone Mode is permitted in the system.
2. Tenant-Wide Mode:
Memory Block 2-06 (Line Key Selection for Tenant Mode) permits assignment of any desired feature to each of the CO/PBX line keys. All the telephones in a tenant are assigned the same features.
3. Telephone Mode:
Memory Block 4-12 (Line Key Selection for Telephone Mode) permits assignment of any feature to each of the CO/PBX line keys. Each telephone can be assigned different features.

2-06 *Line Key Selection for Tenant Mode*

Tenant Mode
2

Submode
—

Data No.
06

PC Programming
Alt **+BN**

General Description

Use this Memory Block to assign functions to each CO/PBX line key on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 (Line Key Selection).

Display

| Tenant No. (00~47) | Data No. | Line Key (01~24) | Setting Data Page 1 | Setting Data Page 2 |
|-----------------------|----------|---------------------|------------------------|------------------------|
| 00 | / 06 | : L01 | = C0 | 01 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1





| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|----------------|--------|--------|---------------------------|-----------------------|------|------------------|
| NON | CO (CO/PBX) | FW BNA | FW ALL | Call Appearance Key | Feature Access Key | TKGP | Route Advance |

Page 2

| LK 9 | LK102 | LK 11 | LK 12 | LK 13 | LK 14 | LK 15 | LK 16 |
|------|------------|-------|------------------------------|-----------------|-----------------|-----------------|-------|
| SIE | Microphone | H SET | SCROLL (ANI/Caller ID) | DND (On/Off) | LOG (On/Off) | BGM (On/Off) | ICM |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 +   to access the Memory Block. Verify that Memory Block 2-05 is set to TNAT.
- 3 Press the corresponding CO/PBX line key to select the function for Line Key No. 01. When indicated, add Setting Data 2 using dial keys.
- 4 Press  to write data and display Line Key No. 2.
- 5 Repeat Steps 3 and 4 for each Line Key assignment. After Line Key No. 24 is programmed, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Programming Procedures

7 The operation data includes:

Setting Data Page 1

| Line Key | Setting Data (1) | LCD Indication | Setting Data (2) |
|----------|-------------------------------|----------------|---------------------------|
| 1 | Not Specified | NON | N/A |
| 2 | CO | CO | 01~64 |
| 3 | CFW - BNA | FW BNA | N/A |
| 4 | CFW - ALL | FW ALL | N/A |
| 5 | Call Appearance Block (00~47) | C | Call Appearance Key 01~24 |
| 6 | Feature Access | F A | 01~16 |
| 7 | Trunk Group | TKGP | 01~32 |
| 8 | Route Advance | ADV | 01~32 |

Default Values

Tenant 00 = CO/PBX Lines 01~08

Tenant 01~ 47 = Not Assigned

Setting Data Page 2

| | | | |
|----|--|--------|--------------------------|
| 9 | Secondary Incoming Extension (Including CAR) | SIE | Telephone Port No. 01~C0 |
| 10 | Microphone | MIC | N/A |
| 11 | Headset | H SET | N/A |
| 12 | Scroll Key | SCROLL | N/A |
| 13 | DND On/Off | DND | N/A |
| 14 | Log On/Off | LOG | N/A |
| 15 | BGM On/Off | BGM | N/A |
| 16 | Intercom Key | ICM | N/A |



Use the following to enter data:

⌘ to move the cursor left

to move the cursor right

0 (0P/5P) ~ 9 (9P/7P) to enter the numeric data or Tenant No.

– OR –

Conf to go to the next assigned Tenant No.

Recall to change page; = is page 1,+ is page 2

Related Programming

M.B. Number Memory Block Name

2-05 Line Key Selection

**Notes**


1. Specify Call Appearance as the call appearance number of Call Appearance Block numbers from Memory Block 4-43 (Station to Call Appearance Block Assignment).
2. Use this Memory Block to assign the following functions to each of the CO/PBX line keys on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 (Line Key Selection):
 - Not specified (NON)
 - CO/PBX Line (CO) 01~64
 - CFW - BNA
 - CFW - ALL
 - Call Appearance (C) 00~47, 01~24 (Each Call Appearance Block may have a maximum of 24 Call Appearance keys).
 - Feature Access (FA) 01~16
 - Trunk Group (TKGP) 01~32
 - Route Advance Block (ADV) 01~32
 - Secondary Incoming Extension (SIE) 01~C0
 - Microphone (MIC)
 - Headset (H SET)
 - Scroll Key for ANI/Caller ID (SCROLL)
 - DND On/Off
 - LOG On/Off
 - BGM On/Off
 - Intercom Key (ICM)

2-07 System Speed Dial Display Assignment

Tenant Mode
2

Submode
—

Data No.
07

PC Programming
 **+BN**

General Description

Use this Memory Block to specify whether or not confirmation of the Speed Dial numbers and messages stored in the system Speed Dial memory is allowed.

Display

| Tenant No. (00~47) | Data No. | Title | Page No. |
|-----------------------|----------|---------|----------|
| 00 / 07 | : | SPD DSP | 01 |
| TIME DISPLAY | | | |

Settings

Page 1 – When system Speed Dial is 80 buffers:

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 00~09 | 10~19 | 20~29 | 30~39 | 40~49 | 50~59 | 60~69 | 70~79 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| | | | | | | | |

Page 1 – When system Speed Dial is 1000 buffers:



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | 499 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 000~099 | 100~199 | 200~299 | 300~399 | 400~499 | 500~599 | 600~699 | 700~799 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------|---------|------|------|------|------|------|------|
| 800~899 | 900~999 | | | | | | |

All line keys are at the default setting.

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 +   to access the Memory Block.

Programming Procedures (Continued)

3 Press the CO/PBX Line key. The LED indication changes to indicate the data each time the CO/PBX line key is pressed.

Default Values

All Speed Dial confirmation allowed



Use the following to enter data:

to move the cursor left

to move the cursor right

~ to enter number data

to go to next page

to go to previous page

to go to the next assigned Tenant No.

| CO/PBX Line LED | Off | On |
|-----------------|-------------------|----------------|
| Data | No (Not Assigned) | Yes (Assigned) |

The shaded selection is the default.

4 After entering data for both pages, press to write the data. The next Memory Block is displayed.

5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-35 | Speed Dial Buffer Allocation |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 |



Notes



1. When Deny is specified, no display is presented even when a System Speed Dial call is originated.
2. Divide the Speed Dial numbers into groups and specify, per tenant, whether confirmation is allowed or denied.
3. Station Message Detail Recording (SMDR) prints telephone numbers.

2-08 ECR Relay to Tenant Assignment

Tenant Mode
2

Submode
—

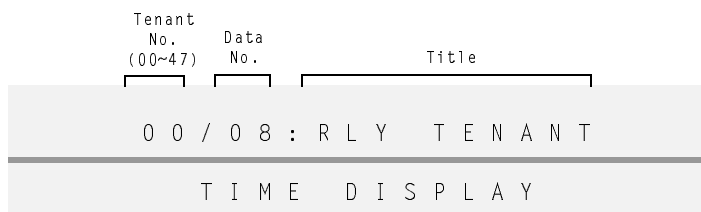
Data No.
08

PC Programming
Alt +BN

General Description

Use this Memory Block to specify Tenant Assignment for External Tone Ring/Night Chime function.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------------|-----------------------|-----------------------|-----------------------|-------------|------|------|------|
| External Tone Relay 1 | External Tone Relay 2 | External Tone Relay 3 | External Tone Relay 4 | Night Chime | | | |

Default not assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - to go to the next assigned Tenant No.
- 4 Press the to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

All Tenants No Assignment

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-7-07 | External Ring Relay Pattern Selection |

Notes

1. By assigning Night Chime to a Tenant, incoming calls to the Tenant group in Night Mode can be answered using the Night Call Pickup Access Code.
2. The relays are fixed (nonprogrammable).
3. Night Chime must be assigned for Night Call Pickup to work. A relay may be assigned even when an ECR-U() ETU is not installed in the system.

2-09 *DID Limit to Tenant Assignment*

General Description

Use this Memory Block to assign the number of DID calls allowed to ring at a specified tenant.

Display

| Tenant No. | Data No. | Title | Setting Data 00~64 |
|-----------------------|----------|-------|--------------------|
| 00 | 09 | LIMIT | 00 |
| T I M E D I S P L A Y | | | |










System Mode
2

Submode
—

Data No.
09

PC Programming
Alt + BN

Programming Procedures

- 1 Go off-line.
- 2 Press LK2 +   to access the Memory Block.
- 3 Enter Setting Data using the dial pad.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
- 4 Press  to write the data. The next Tenant No. for Memory Block 2-01 is displayed.
- 5 Program all Tenants. After Tenant 47 is programmed, the display cycles back to Tenant 01 of Memory Block 2-01.
- 6 Press  to go back on-line.

Default Values

- 00 (No Limit)
- 01~64 Incoming Calls

Notes

Only DID incoming calls are limited. Outgoing calls, Internal (ICM) calls, and normal incoming calls are not limited.

3-00 *Trunk Name/Number Assignment*

CO/PBX Line Mode
3

Submode
—

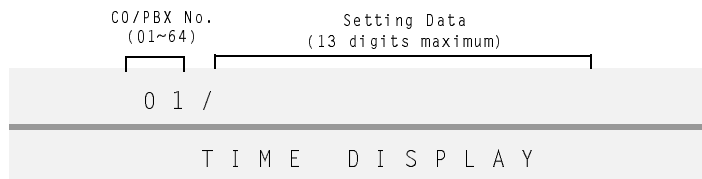
Data No.
00

PC Programming
Alt +BCT

General Description

Use this Memory Block to specify telephone name/number for the CO/PBX line that is displayed when the CO/PBX Line is seized, or during an incoming call.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------|------|------|------|------|------|------|------|
| Number | Name | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 to access the Memory Block.
- 3 Leave Number set or press LK2 to change to name for the data option for the selected CO/PBX No. 01, and enter the number or name (refer to Notes).

Default Values

Not Specified



Use the following to enter data:

- ⌘ to move the cursor left
- # to move the cursor right
- 0 (OPEN) ~ 9 (WXYZ) to enter numeric data or CO/PBX No.
- OR —
- Conf to go to the next assigned CO/PBX No.
- Redial to generate a - (hyphen)
- Hold to generate a space (clear after hold)

- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 After Memory Blocks 3-02~3-70 are programmed, the next CO/PBX No. is displayed.
- 6 Repeat steps 3~5 for each CO/PBX No. After the last CO/PBX number is programmed, CO/PBX No. 01 is displayed again.
- 7 Press **Speaker** to go back on-line.

3-02 Trunk Status Selection

Use this Memory Block to specify whether a CO/PBX line is used for call origination and termination or termination only.

Display

| CO/PBX No. (01~64) | Data No. | Setting Data |
|-----------------------|----------|--------------|
| 01 | / 02 | : OUT & IN |
| T I M E D I S P L A Y | | |

CO/PBX Line Mode
3
Submode
—
Data No.
02
PC Programming
Alt + BCT

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------|------|------|------|------|------|------|------|
| OUT&IN | IN | | | | | | |

The shaded selection is the default.

Programming Procedures

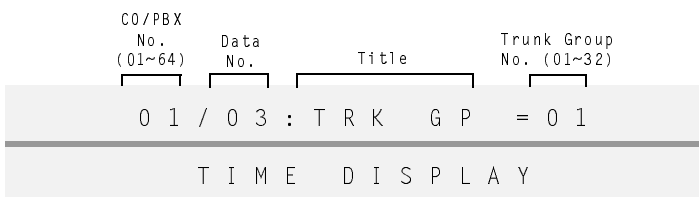
- 1 Go off-line.
- 2 Press LK3 + **Transfer** to access the Memory Block.
- 3 Press the corresponding CO/PBX Line Key to change the option.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** OPER ~ **9** WXTZ to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

3-03 Trunk-to-Trunk Group Assignment

General Description

Use this Memory Block to assign a Trunk Group Number (01~32) to each CO/PBX line.

Display



CO/PBX Line Mode

3

Submode

—

Data No.

03

PC Programming

Alt **+BCT**

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **0** **3** to access the Memory Block.
- 3 Enter data for CO/PBX No. 01 using the dial pad to change the Trunk Group number.
 - Use the following enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- Trunk Group No:
 - 00: Not Set
 - 01~32: Trunk Group 01~32
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

CO/PBX lines (01~08) in Trunk Group 01
 CO/PBX lines (09~64) in Trunk Group 00
 All Tie lines in Trunk Group 02
 All DID lines Trunk Group 00

Notes

1. When a Trunk group Access Code is dialed, an idle CO line is selected automatically and seized from the same Trunk group dialed (the CO line of either same tenant or another tenant can be seized).
2. By specifying the priority order, up to four routes (Trunk groups) can be selected in Memory Block 1-1-30 (Route Advance Block Assignment). Idle CO lines are selected and seized in this sequence.
3. When LCR is installed, Local Trunks should be assigned to Trunk Group 1. When a number is dialed that bypasses LCR, the system accesses Trunk Group 1 and dials the number.

3-04 *Trunk-to-Trunk Transfer Yes/No Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 04 |
| PC Programming |
| Alt +BCT |

General Description

Use this Memory Block to specify whether or not to allow Trunk-to-Trunk Transfer.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|---------|--------------|
| 01 | / 04 | : T R F | N O |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **0** **4** to access the Memory Block.
- 3 Press the corresponding CO/PBX Line Key to change the option.
 - ✍ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.


Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |
| 3-05 | Trunk Incoming Answer Mode Selection |
| 3-06 | Automatic Tandem Trunk Assignment |
| 5-01 | Tie Line Networking Tandem Connection Assignment |

**Notes**

Assign YS to connect both trunks via Trunk-to-Trunk Transfer or Automatic Trunk-to-Trunk Transfer feature.

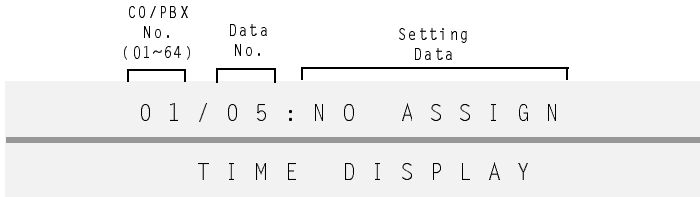
3-05 Trunk Incoming Answer Mode Selection

CO/PBX Line Mode
3
Submode
—
Data No.
05
PC Programming


General Description

Use this Memory Block to specify the incoming answer mode (Automatic Trunk-to-Trunk Transfer, Automated Attendant, or DISA) per outside line.

Display



Settings

| | | | | | | | |
|-----------|-----------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO ASSIGN | TANDM TRF | A A | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **0** **5** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option for CO/PBX No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** **OPER** ~ **9** **WXTZ** to enter numeric data or CO/PBX No.

– OR –

Conf to go to the next assigned CO/PBX No.



Setting Data:

| Line Key | LCD Indication when Selected | Definition |
|----------|------------------------------|-----------------------------------|
| LK 1 | NO ASSIGN | Normal |
| LK 2 | TANDM TRF | Automatic Trunk-to-Trunk Transfer |
| LK 3 | A A | Automated Attendant/DISA |

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes

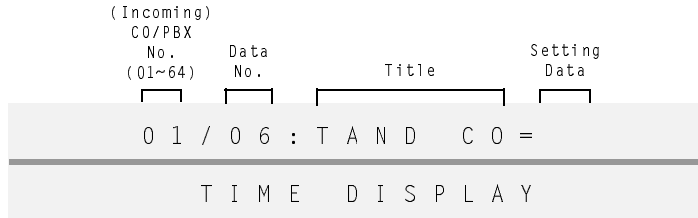


1. Only trunks assigned to TANDM TRF in this Memory Block are set or canceled for Automatic Trunk-to-Trunk Transfer Mode when an attendant position enters 00 during the set or cancel operation.
For example:
To set Automatic Trunk-to-Trunk Transfer Mode from an attendant position:
Press **Feature** + **6**_{MNO} **7** + **0**_{OPER} **0**_{OPER} + **Feature**.
To cancel Automatic Trunk-to-Trunk Transfer Mode from an attendant position:
Press **Feature** + **6**_{MNO} **2**_{ABC} + **0**_{OPER} **0**_{OPER} + **Feature**.
2. Only trunks assigned to AA in this Memory Block are set or canceled for Automated Attendant/DISA Mode when an attendant position enters 00 during the set or cancel operation.
For example:
To set Automated Attendant/DISA Mode from an attendant position:
Press **Feature** + **8**_{TUV} **7** + **0**_{OPER} **0**_{OPER} + **Feature**.
To cancel Automated Attendant/DISA Mode from an attendant position:
Press **Feature** + **8**_{TUV} **2**_{ABC} + **0**_{OPER} **0**_{OPER} + **Feature**.

3-06 Automatic Tandem Trunk Assignment

Use this Memory Block to specify the incoming trunk and outgoing trunk for Automatic Trunk-to-Trunk Transfer.

Display



| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 06 |
| PC Programming |
| Alt +AT |

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **0** **6** to access the Memory Block.
- 3 Enter the outgoing trunk number for incoming CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Not Specified

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-04 | Trunk-to-Trunk Transfer Yes/No Selection |
| 3-05 | Trunk Incoming Answer Mode Selection |

3-07 CO/PBX Ringing Variation Selection

CO/PBX Line Mode
3
Submode
—
Data No.
07
PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify a ringing tone for each CO/PBX line.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|---------------|--------------|
| 01 | 07 | D S T R I N G | = M |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------|------------|-------------|------|------|------|------|------|
| M (Medium) | L (Low) | H (High) | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **0** (**OPER**) **7** (**PER5**) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the ringing tone for CO/PBX.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (**OPER**) ~ **9** (**WXYZ**) to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-28 | Distinctive Ringing by Telephone or CO Selection |



Notes



1. This Memory Block is not applicable when Telephone is selected in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).
2. High, medium, or low ringing tone applies to incoming outside line calls only.

3-11 CO External Source Selection

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 11 |
| PC Programming |
| +BCT |

General Description

Use this Memory Block to specify whether the Music On Hold source is from the CO or an external source (EXT SOURCE).

Display

| | | |
|--------------------------|-------------|-----------------|
| CO/PBX No. (01~64) | Data No. | Setting Data |
| 0 1 / 1 1 | : | C 0 |
| T I M E D I S P L A Y | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|---------------|------|------|------|------|------|------|
| CO | EXT SOURCE | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + + to access the Memory Block.
- Press LK2 to change Music On Hold to an external source for CO/PBX No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or CO/PBX No.
 - OR -**
 - to go to the next assigned CO/PBX No.
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.


Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 3-12 | CO Hold Memory Selection |

Notes

When CO is set for EXT SOURCE and left in a trunk group, that CO is skipped in dialing access of the trunk group.

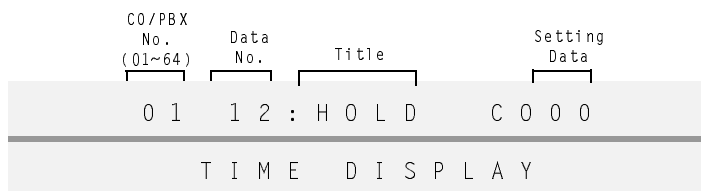
3-12 *Trunk-to-MOH Trunk Assignment*

CO/PBX Line Mode
3
Submode
—
Data No.
12
PC Programming
 **+BCT**




General Description

Use this Memory Block to specify the music on hold source for each CO/PBX line.

Display







Programming Procedures

- 1 Go off-line.
- 2 Press LK3 +  +   access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign the music selection.





Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data or CO/PBX No.

— OR —

-  to go to the next assigned CO/PBX No.

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Default Values

00 = Not Assigned for CO/PBX No. 01~64

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-4-17 | Automated Attendant Delay Announcement Hold Tone Selection |
| 1-8-09 | Music on Hold Pattern Selection |
| 1-8-31 | Hold Tone Source Assignment |
| 1-8-32 | Hold Internal Tone Volume Selection |
| 3-11 | CO External Source Selection |
| 4-66 | MOH or Ring Back Tone Selection |



Notes



1. When set to 00, the CO gets Music on Hold from the MOH jack on the side of the cabinet.
2. When Memory Block 1-8-31 (Hold Tone Source Assignment) is set to INT, this Memory Block is not used.

3-14 Tie Line Type Assignment

General Description

Use this Memory Block to assign the loop supervision to be used for each Trunk associated with a Tie line.

Display

| Tie/DID No. (01~64) | Data No. | Title |
|------------------------|----------|------------|
| 01 | / 14 | : 2ND DIAL |
| TIME DISPLAY | | |

CO/PBX Line Mode

3


Submode

—

Data No.

14

PC Programming


 **+ALT**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------|-----------|-------|------|------|------|------|------|
| 2ND DIAL | IMMEDIATE | DELAY | WINK | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **7** **4** to access the Memory Block.
- Press the corresponding CO/PBX line key to change the loop supervision for CO/PBX No.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** OPEN ~ **9** WXT-2 to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 3-92 | Trunk (Installed, DP/DTMF) Selection |

**Notes**


1. Line keys 1~4 identify the following methods of loop supervision:
 - 1 = Second Dial Tone
 - 2 = Immediate Start
 - 3 = Delay Dial
 - 4 = Wink Start
2. This Memory Block affects T1 channels assigned as Tie lines.
3. When a second dial tone is selected, the distant system provides the dial tone.
4. When Immediate, Delay, or Wink is selected, the local system provides the dial tone.

3-15 *Trunk DTMF Duration/Interdigit Selection*

CO/PBX Line Mode
3

Submode
—

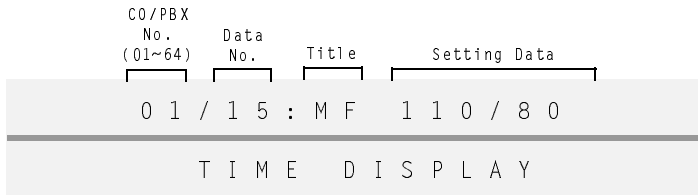
Data No.
15

PC Programming
 **+BCT**

General Description

Use this Memory Block to specify the tone duration/interdigit time of dual-tone multifrequency (DTMF) signals.

Display














Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------|-------|--------|--------|--------|---------|---------|---------|
| 60/70 | 60/80 | 110/80 | 160/80 | 210/80 | 410/100 | 610/100 | 810/190 |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 +  +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change tone duration/interdigit time for CO/PBX No.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or CO/PBX No.
 - OR —
 -  to go to the next assigned CO/PBX No.
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 3-92 | Trunk (Installed, DP/DTMF) Selection |

**Notes**

1. This is also used for Tie lines.
2. This Memory Block affects T1 Channels assigned as Tie/DID lines. A DTI-U() ETU is required.

3-16 Tie Line Prepause Time Selection

CO/PBX Line Mode
3

Submode
—

Data No.
16

PC Programming
Alt +ALM

General Description

Use this Memory Block to specify the time (prepause) before the originating side can send dial pulse or dual-tone multifrequency (DTMF) to the distant system.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |
|-----------------------|----------|-------|--------------|----------|
| 01 / 16 | : | PRE | 0 | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **7** **6** **MNU** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change prepause time for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** **OPEN** ~ **WAVE** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Notes

1. Prepause time differs according to the acknowledgment signaling method.
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-17 Tie Line Answer Detect Time Selection

CO/PBX Line Mode
3

Submode
—

Data No.
17

PC Programming
Alt +ALM

General Description

Use this Memory Block to specify the time before an Electra Elite IPK system answer (off-hook) is recognized as an answer.

Display

| CO/PBX (01~64) | Data No. | Title | Setting Data | Page |
|-------------------------|-------------|-------|-----------------|------|
| 0 1 / 1 7 | : | A N S | 5 2 0 | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 130 | 260 | 390 | 520 | 650 | 780 | 910 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1040 | 1170 | 1300 | 1430 | 1560 | 1690 | 1820 | 1950 |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **7** (**7** PERS) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change answer detect time for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPEN) ~ **9** (WXYZ) to enter numeric data or CO/PBX No.
 - OR —**
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Notes

1. Answering a call may be impossible if the CO answer detect time is too long.
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-18 Tie Line Release Detect Time Selection

CO/PBX Line Mode
3

Submode
—

Data No.
18

PC Programming
Alt **+ALM**

General Description

Use this Memory Block to specify the time before the circuit disconnect detected on the Tie line on the distant system side is recognized as Tie line release.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page |
|-----------------------|----------|-------|--------------|------|
| 01 | 18 | RLS | 520 | 1 |

T I M E D I S P L A Y

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 130 | 260 | 390 | 520 | 650 | 780 | 910 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1040 | 1170 | 1300 | 1430 | 1560 | 1690 | 1820 | 1950 |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **7** **8** to access the Memory Block.
- Press the corresponding CO/PBX line key to change release detect time for CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** OPER ~ **9** WX12 to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. Specify distinguishing circuit release from on-hook, noise, and temporary interruption. Probable situations for Tie line release detection include:
 - Called side hangs up first. The circuit is released 92 ms. + specified time after the other party disconnects the call.
 - Called side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.
 - Originating side hangs up first. The circuit is released 92 ms. + specified time after the other party hangs up.
 - Originating side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.
2. This Memory Block affects T1 channels assigned as Tie/DID lines. A DTI-U() ETU is required.

3-19 Tie Line/CO/PBX Incoming Signal Detect Time Selection

CO/PBX Line Mode
3

Submode
—

Data No.
19

PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify the time after the incoming signal from another system is detected before the acknowledge signal is sent out.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |
|-----------------------|----------|-------|--------------|----------|
| 01 | 19 | IN C | 04 | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1 – **Wink Start**

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 00 (0 ms.) | 01 (130 ms.) | 02 (260 ms.) | 03 (390 ms.) | 04 (520 ms.) | 05 (650 ms.) | 06 (780 ms.) | 07 (910 ms.) |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 08 (1040 ms.) | 09 (1170 ms.) | 10 (1300 ms.) | 11 (1430 ms.) | 12 (1560 ms.) | 13 (1690 ms.) | 14 (1820 ms.) | 15 (1950 ms.) |

Page 1 – **Delay**

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 00 (0 ms.) | 01 (30 ms.) | 02 (60 ms.) | 03 (90 ms.) | 04 (120 ms.) | 05 (150 ms.) | 06 (180 ms.) | 07 (210 ms.) |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 08 (240 ms.) | 09 (270 ms.) | 10 (300 ms.) | 11 (330 ms.) | 12 (360 ms.) | 13 (390 ms.) | 14 (420 ms.) | 15 (450 ms.) |

Page 1 – **COI**

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 00 (50 ms.) | 01 (100 ms.) | 02 (150 ms.) | 03 (200 ms.) | 04 (250 ms.) | 05 (300 ms.) | 06 (350 ms.) | 07 (400 ms.) |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 08 (450 ms.) | 09 (500 ms.) | 10 (550 ms.) | 11 (600 ms.) | 12 (650 ms.) | 13 (700 ms.) | 14 (750 ms.) | 15 (800 ms.) |

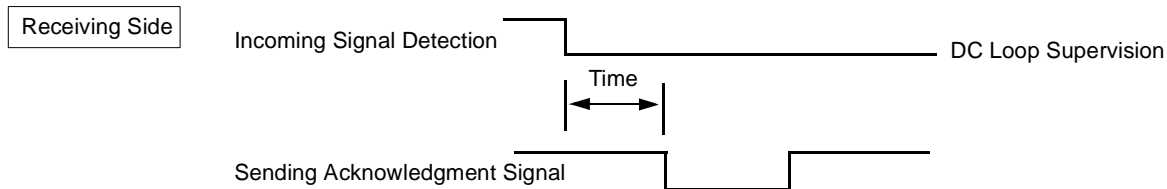
The shaded selection is the default for each method.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **7** **9** to access the Memory Block.

Programming Procedures

- 3 Press the corresponding CO/PBX line key to change incoming signal detect time for CO/PBX No.



Use the following to enter data:

- * to move the cursor left
- # to move the cursor right
- 0 (OPEN) ~ 9 (WRTN) to enter numeric data or CO/PBX No.

– OR –

- Conf to go to the next assigned CO/PBX No.
- Recall to go to the next page
- Feature to go to the previous page

- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|------------------------------|
| 3-14 | Tie/DID Line Type Assignment |



Notes



1. For second dial tone and immediate loop supervision, the time is fixed at 30 ms.
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-20 Tie Line Loop Off-Guard Time Selection

CO/PBX Line Mode
3

Submode
—

Data No.
20

PC Programming
Alt **+ALM**

General Description

Use this Memory Block to assign loop off-guard time to prevent noise that could cause the system to be unable to answer an incoming Tie line.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |
|-----------------------|----------|-------|--------------|----------|
| 01 | 20 | LOOP | 2.0 | 1 |

T I M E D I S P L A Y

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0.0 | 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **2** **0** to access the Memory Block.
- Press the corresponding CO/PBX line key to change loop off-guard time for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **OPER** ~ **9** **WX12** to enter numeric data or CO/PBX No.
 - OR —**
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. Assign a loop off-guard time to prevent system malfunction caused by noise when going off-hook to answer a call from another system on a Tie line call.
2. The system ignores any noise that is detected during the time specified in this Memory Block.
3. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-21 Tie Line Length of Wink Signal Selection

CO/PBX Line Mode
3

Submode
—

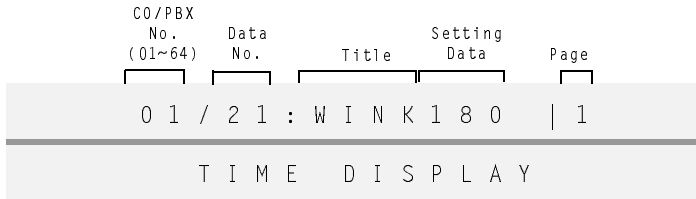
Data No.
21

PC Programming
Alt **+ALM**

General Description

Use this Memory Block to specify the time a wink pulse is sent to another system.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 |

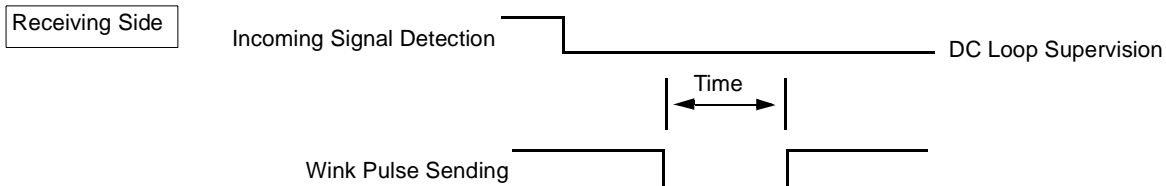
Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 270 | 300 | 330 | 360 | 390 | 420 | 450 | 480 |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **2** **7** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change wink-signal time for CO/PBX No.




Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** OPER ~ **9** WX12 to enter numeric data or CO/PBX No.
- OR —
- Conf** to go to the next assigned CO/PBX No.
- Recall** to go to the next page
- Feature** to go to the previous page

- 4 Press **Transfer** to write the data and display the next Memory Block.

Programming Procedures (Continued)

- 5 Program the next Memory Block or press  to go back on-line.

**Notes**

1. Specify Wink Start in Memory Block 3-14 (Tie Line Type Assignment).
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-22 Tie Line Length of Delay Signal Selection

CO/PBX Line Mode
3

Submode
—

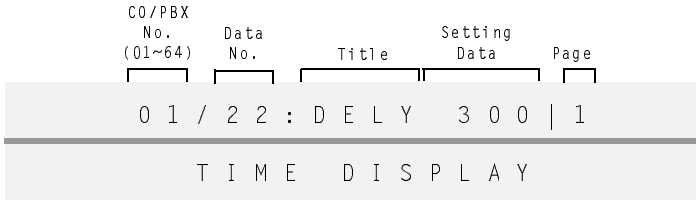
Data No.
22

PC Programming
Alt + ALM

General Description

Use this Memory Block to specify the time a delay pulse is sent to another system.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 |

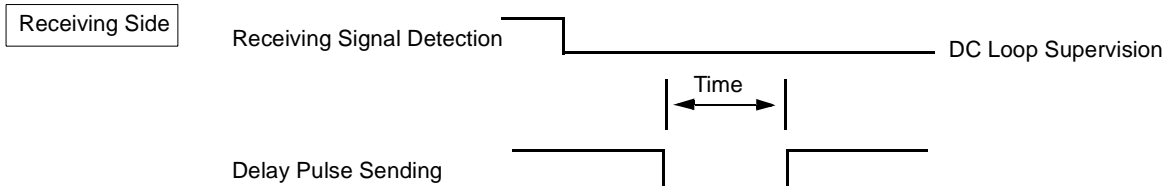
Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2400 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **2** **2** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change delay signal time for CO/PBX No.



Use the following to enter data:

- ⌘ to move the cursor left
- # to move the cursor right
- 0 OPER ~ 9 WXYZ to enter numeric data or CO/PBX No.
- OR —
- Conf** to go to the next assigned CO/PBX No.
- Recall** to go to the next page
- Feature** to go to the previous page

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Transfer** to go back on-line.

**Notes**

1. Specify Delay loop supervision in Memory Block 3-14 (Tie Line Type Assignment).
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

3-24 Tie Line Incoming Interdigit Timeout Selection

CO/PBX Line Mode
3

Submode
—

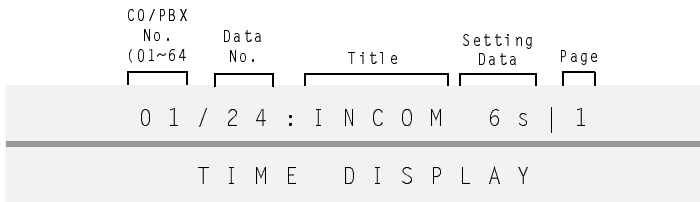
Data No.
24

PC Programming
Alt **+ALM**

General Description

Use this Memory Block to specify the time, in seconds, that an address signal is missing during the incoming call detection process before an error tone is returned to the other system.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------|------|------|------|------|------|------|------|
| ∞ (No Limit) | 1s | 2s | 3s | 4s | 5s | 6s | 7s |

The shaded selection is the default.

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 8s | 9s | 10s | 11s | 12s | 13s | 14s | 15s |

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **2** **4** to access the Memory Block.
- Press the corresponding CO/PBX line key to change incoming interdigit timeout for CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **OPER** ~ **9** **WXTZ** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. A timeout occurs when:
 - A dial pulse is not received within the time specified by this Memory Block after the receiving side detects the off-hook signal.
 - The next dial pulse is not received within the time specified by this Memory Block after the receiving side detects (receives) a dial pulse.
2. This Memory Block affects T1 channels assigned to Tie/DID lines.

3-25 *Tie Line Wink/Delay Signal Detect Timeout Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 25 |
| PC Programming |
| Alt +ALM |

General Description

Use this Memory Block to specify a maximum time, in seconds, for receiving an acknowledgment signal from a distant system before sending a busy tone.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |
|-----------------------|----------|-------|--------------|----------|
| 01 | 25 | DTECT | 7s | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-----------------|------|------|------|------|------|------|------|
| • (No Limit) | 1s | 2s | 3s | 4s | 5s | 6s | 7s |

The shaded selection is the default.

Page 2

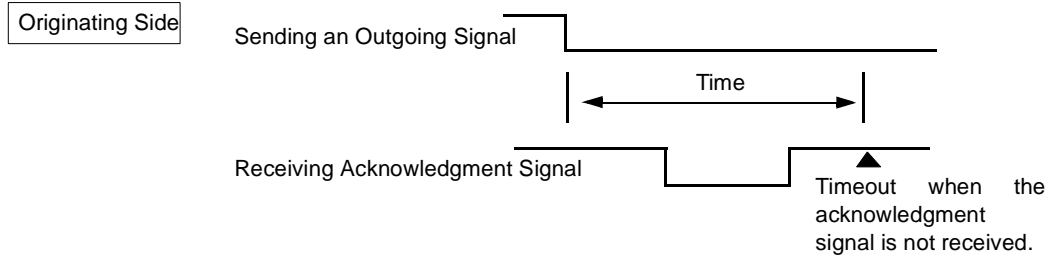
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 8s | 9s | 10s | 11s | 12s | 13s | 14s | 15s |

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **2** + **5** to access the Memory Block.

Programming Procedures (Continued)

- 3 Press the corresponding CO/PBX line key to change signal detect timeout for CO/PBX No.



Use the following to enter data:

- ⌘* to move the cursor left
- ⌘# to move the cursor right
- ⌘0 ~ ⌘9 to enter numeric data or CO/PBX No.

– OR –

- ⌘Conf to go to the next assigned CO/PBX No.
- ⌘Recall to go to the next page
- ⌘Feature to go to the previous page

- 4 Press ⌘Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press ⌘Speaker to go back on-line.



Notes



1. When the acknowledgment signal is not received in a programmed time after an outgoing signal is sent to the other system, a busy tone is sent to the telephone.
2. This Memory Block affects T1 channels assigned to Tie/DID lines.

3-27 Tie Line Dial Tone Selection

General Description

Use this Memory Block to specify whether or not to send a dial tone to the distant system.

Display



CO/PBX Line Mode
3

Submode
—

Data No.
27

PC Programming
Alt +ALT

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **2** (AC) **7** (PBBS) to access the Memory Block.
- Press Lk1 when you don't want to send a dial tone to the distant system for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WX12) to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 3-14 | Tie Line Type Assignment |

3-28 Tie Line Reorder Tone Selection

CO/PBX Line Mode
3

Submode
—

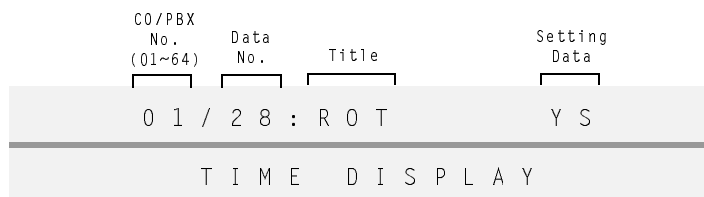
Data No.
28

PC Programming
Alt **+ALT**

General Description

Use this Memory Block to specify whether or not to send a reorder tone to the originating station when the number of a distant system is used to originate a call over a Tie line.

Display



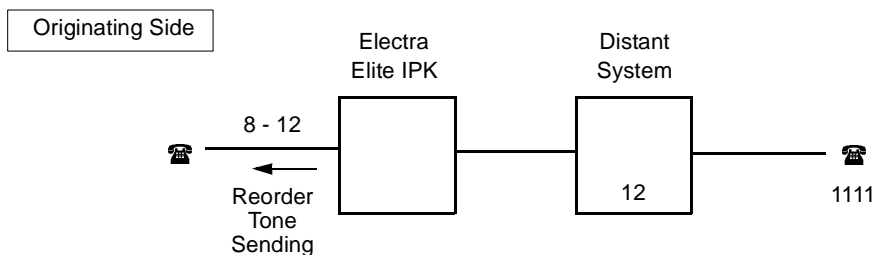
Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **2** **8** to access the Memory Block.
- Press LK1 to cancel a reorder tone to the originating system for CO/PBX No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** (0P/LK) ~ **9** (9W/TX) to enter numeric data or CO/PBX No.

— OR —

Conf to go to the next assigned CO/PBX No.

- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------|
| 3-14 | Tie Line Type Assignment |



Notes



This Memory Block affects T1 channels assigned as Tie lines.

3-29 Trunk Internal Transmit Pad Selection

CO/PBX Line Mode
3

Submode
—

Data No.
29

PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify a dB volume level for calls originated from the extensions of a local system to a distant system.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2 | 4 | 6 | 8 | 12 | 16 | 3 | -3 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | | | | | | | |

The shaded selection is the default. Settings are in dB.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **2** **9** to access the Memory Block.
- Press the corresponding CO/PBX line key to change internal transmit pad for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.



Notes



1. The Electra Elite IPK system divides the connections into the following patterns:

(Specify the sending and receiving levels of each pattern for each of the trunks.)

| | |
|---------------------------|--|
| Pattern A (Intercom Mode) | Connections established between the intercom stations of the local system and trunks. |
| Sending level | (To be specified in this Memory Block.) |
| Receiving level | |
| Pattern B (Tandem Mode) | Connections established between two systems, with the local system as a tandem system. |
| Sending level | |
| Receiving level | |

2. The Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

3-30 *Trunk Internal Receive Pad Selection*

General Description

Use this Memory Block to specify a dB volume level for calls coming to extensions of a local system from a distant system.

Display



CO/PBX Line Mode

3

Submode

—

Data No.

30

PC Programming

Alt **+BCT**

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2 | 4 | 6 | 8 | 12 | 16 | 3 | -3 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | | | | | | | |

The shaded selection is the default. Settings are in dB.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **3** **DEF** **0** **OPER** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change internal receive pad for CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **OPER** ~ **9** **WXYZ** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. The Electra Elite IPK system divides the connections into the following patterns:

(Specify the sending and receiving levels of each pattern for each of the trunks.)

Pattern A (Intercom Mode)

Connections established between the intercom stations of the local system and trunks.

Sending level

Receiving level

(To be specified in this Memory Block.)

Pattern B (Tandem Mode)

Connections established between two systems, with the local system as a tandem system.

Sending level

Receiving level

2. This Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

3-31 *Trunk External Transmit Pad Selection*

CO/PBX Line Mode
3
 Submode
 —
 Data No.
31
 PC Programming
 Alt **+BCT**

General Description

Use this Memory Block to specify transmit dB volume level for tandem calls between a local system and two distant systems.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page |
|-----------------------|----------|-----------|--------------|------|
| 01 / 31 | : | P A D E T | 0 | 2 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2 | 4 | 6 | 8 | 12 | 16 | 3 | -3 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | | | | | | | |

The shaded selection is the default. Settings are in dB.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **3** **7** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change external transmit pad for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. The Electra Elite IPK system divides the connections into the following patterns:

(Specify the sending and receiving levels of each pattern for each of the trunks.)

Pattern A (Intercom Mode)

Connections established between the intercom stations of the local system and trunks.

Sending level

Receiving level

Pattern B (Tandem Mode)

Connections established between two systems, with the local system as a tandem system.

Sending level

Receiving level

(To be specified in this Memory Block.)

2. This Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

3-32 Trunk External Receive Pad Selection

CO/PBX Line Mode

3

Submode

—

Data No.

32

PC Programming

Alt + **BCT**

General Description

Use this Memory Block to specify receive dB volume level for tandem calls between a local system and two distant systems.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page |
|-----------------------|----------|--------|--------------|------|
| 01 / 32 | : | PAD ER | 0 | 2 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 2 | 4 | 6 | 8 | 12 | 16 | 3 | -3 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | | | | | | | |

The shaded selection is the default. Settings are in dB.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **3** (DEF) **2** (ABC) to access the Memory Block.
- Press the corresponding CO/PBX line key to change external receive pad for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPEN) ~ **9** (WXYZ) to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. The Electra Elite IPK system divides the connections into the following patterns:

(Specify the sending and receiving levels of each pattern for each of the trunks.)

Pattern A (Intercom Mode)

Connections established between the intercom stations of the local system and trunks.

Sending level

Receiving level

Pattern B (Tandem Mode)

Connections established between two systems, with the local system as a tandem system.

Sending level

Receiving level

2. This Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

3-33 *Disconnect Recognition Time Selection*

CO/PBX Line Mode
3

Submode
—

Data No.
33

PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify the minimum time before a disconnected circuit can be accessed again.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page |
|-----------------------|----------|--------|--------------|------|
| 01 | 33 | : DIST | 0.3 | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |

The shaded selection is the default. Times are in seconds.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **3** **3** to access the Memory Block.
- Press the corresponding CO/PBX line key to change disconnect recognition time for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.



Notes



When a call origination on a CO/PBX line or Tie line is interrupted or dropped, and an attempt is made to seize the line again, it must be disconnected and cleared before it can be accessed again.

3-38 *Automated Attendant Message to Trunk Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 38 |
| PC Programming |
| Alt +AU |

General Description

Use this Memory Block to assign the Automated Attendant Message for each CO/PBX Trunk. When the Automated Attendant Message is assigned to each CO/PBX Trunk, the system automatically answers the incoming call and sends an Automated Attendant Message to the calling party.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|--------|--------------|
| 01 | 38 | AA MSG | = 1 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **3** **8** to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to change the Automated Attendant message number.
Setting Data: 1~8 Automated Attendant Message 1~8
 - Use the following to enter data:
 - *** to moves the cursor left
 - #** to moves the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —**
 - Conf** to go to the next assigned CO/PBX Line No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values
Message 1

Notes

An Access Code must be dialed from the attendant telephone position to activate this feature.

3-40 Automatic Release Signal Detection Selection

CO/PBX Line Mode
3

Submode
—

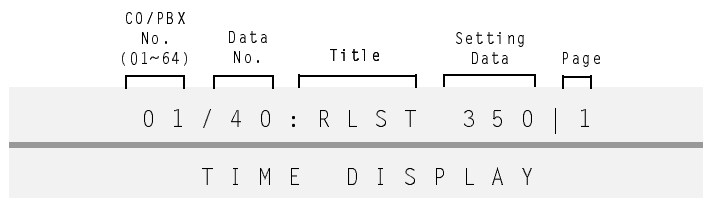
Data No.
40

PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify the signal detection time for release of a CO/PBX line after a disconnect signal is received from the distant Central Office or PBX.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|-----------------|
| 400 | 450 | 500 | 550 | 600 | 650 | 700 | ∞ (NO limit) |

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **4** (CH) **0** (OPER) to access the Memory Block.
- Press the corresponding CO/PBX line key to change signal release time for CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXZY) to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

3-41 Delay Announcement Assignment

CO/PBX Line Mode
3

Submode
—

Data No.
41

PC Programming
Alt **+AR**

General Description

Use this Memory Block to specify whether or not Delay Announcement is sent to the calling party for Day and/or Night Mode per CO Port.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|-----------|--------------|
| 01 | 41 | MSG D / N | = NN |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------|-------------|---------------|--------------|------|------|------|------|
| NN (NO) | YN (Day) | NY (Night) | YY (Both) | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **4** **1** to access the Memory Block.
- Press the corresponding CO/PBX line key to assign the delay announcement for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

3-42 *DIT Assignment*

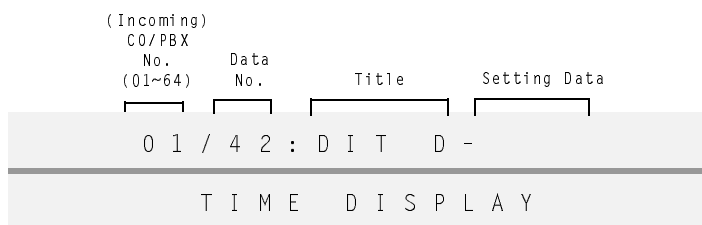
| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 42 |
| PC Programming |
| Alt +BCT |

General Description

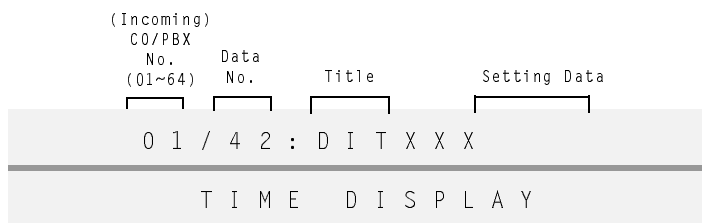
Use this Memory Block to assign a Day Mode direct trunk termination to an independent station.

R2500 is required for 5-, 6-, or 7-digit Extension Numbers.

Display (R1700 or lower)



Display (R2000 or higher)




 The number displayed after DIT (XXX) is from Memory Block 1-2-34 (Expanded Station Number Assignment) when assigned (**R2500** is required).


Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **4** **2** to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign DIT to a station.

Default Values


No Assignment

-  Use the following to enter data:
 - *** to moves the cursor left
 - #** to moves the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX Line No.

-  Enter the following:
 - Station No. (2-, 3-, or 4-digits 10~8999)
 - CO Port No. (01~64)

- 4 Press **Transfer** to write the data and display the next Memory Block.

Programming Procedures

- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|------------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-34 | Expanded Station Number Assignment |
| 3-43 | ANA Assignment |
| 4-10 | Station Number Assignment |

**Notes**

1. A trunk can terminate at only one station, but any number of trunks can terminate at the same station.
2. When 5-, 6-, or 7-digit Extension Numbers are used, the leading digits are assigned in Memory Block 1-2-34 (Expanded Station Number Assignment) and are displayed in this Memory Block when assigned.
3. When 5-, 6-, or 7-digit Extension Numbers are used, only the last four digits are assigned in this Memory Block.

3-43 ANA Assignment

CO/PBX Line Mode
3
 Submode
 —
 Data No.
43
 PC Programming
 Alt **+BCT**

General Description

Use this Memory Block to assign a Night Mode Direct trunk termination to a station.

R2500 is required for 5-, 6-, or 7-digit Extension Numbers.

Display (R1700 or lower)

```

(Incoming)
CO/PBX
No.      Data
(01~64)  No.      Title      Setting Data
-----
0 1 / 4 3 : D I T   N -
-----
T I M E   D I S P L A Y
    
```

Display (R2000 or higher)

```

(Incoming)
CO/PBX
No.      Data
(01~64)  No.      Title      Setting Data
-----
0 1 / 4 3 : A N A X X X
-----
T I M E   D I S P L A Y
    
```


 The number displayed after DIT (XXX) is from Memory Block 1-2-34 (Expanded Station Number Assignment) when assigned (**R2500** is required).


Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **4** **3** to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign ANA to a station.

Default Values

No Assignment

-  Use the following to enter data:
- *** to moves the cursor left
 - #** to moves the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
- OR —
- Conf** to go to the next assigned CO/PBX Line No.

-  Enter the following:
- Station No. (2-, 3-, or 4-digits 10~8999)
 - CO Port No. (01~64)

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|------------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-34 | Expanded Station Number Assignment |
| 3-42 | DIT Assignment |
| 4-10 | Station Number Assignment |

**Notes**

1. A trunk can terminate at only one station, but any number of trunks can terminate at the same station.
2. When 5-, 6-, or 7-digit Extension Numbers are used, the leading digits are assigned in Memory Block 1-2-34 (Expanded Station Number Assignment) and are displayed in this Memory Block when assigned.
3. When 5-, 6-, or 7-digit Extension Numbers are used, only the last four digits are assigned in this Memory Block.

3-44 *Caller ID Display Assignment for CO/ PBX Line*

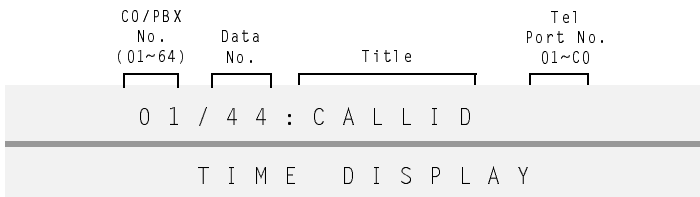
| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 44 |
| PC Programming |
| Alt +AI |

General Description

Use this Memory Block to assign one Multiline Terminal to display ANI/Caller ID Indication for incoming CO/PBX calls per CO/PBX line.

This Memory Block is used for **R1600 and lower**. For **R1700 or higher**, it is no longer required.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **4** **4** to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign ANI/Caller ID to a station.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values
No Assignment

- Use the following to enter data:
 - *** to moves the cursor left
 - #** to moves the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX Line No.

- Enter the following:
 - Tel Port No. 01~CO
 - CO/PBX No. 01~64

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

**Notes**

To display ANI/Caller ID Indication for normal incoming CO calls and CAR incoming calls, both Caller ID Indication and Ring assignment must be Programmed. A maximum of 15 Multiline Terminals can be assigned system-wide to display ANI/Caller ID for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 (Caller ID Display Assignment for System Mode). Another Multiline Terminal can be assigned to display ANI/Caller ID Indication for normal incoming CO calls, per CO line, using this Memory Block.

3-45 *Live Record Trunk Selection*

CO/PBX Line Mode
3

Submode
—

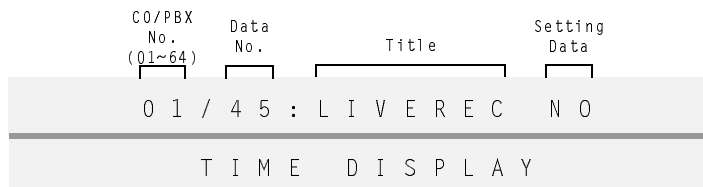
Data No.
45

PC Programming
Alt **+AV**

General Description

Use this Memory Block to specify per Trunk whether or not to allow Live Record for Digital Voice Mail.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **4** **5** to access the Memory Block.
- 3 Press LK2 to assign Live Record for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

NO

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-08 | Class of Service (Station) Feature Selection 2 |

3-50 *ISDN Line SPID Assignment*

General Description

Use this Memory Block to assign the Integrated Services Digital Network Service Profile Identifier (ISDN SPID) number.

Display

| CO/PBX No. (01~64) | Data No. | Setting Data (20 digits maximum) |
|--------------------------|-------------|-------------------------------------|
| 01 | 50 | |

TIME DISPLAY

CO/PBX Line Mode

3

Submode

—

Data No.

50

PC Programming

Alt + AN

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **5** (**JKL**) **0** (**OPER**) to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign ISDN SPID to a station.



Use the following to enter data:

- *** to moves the cursor left
- #** to moves the cursor right
- 0** (**OPER**) ~ **9** (**WXYZ**) to enter numeric data or CO/PBX No.

— OR —

Conf to go to the next assigned CO/PBX Line No.

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

3-52 *ISDN Trunk Directory Number Assignment*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 52 |
| PC Programming |
| Alt +AN |

General Description

Use this Memory Block to assign the Integrated Services Digital Network (ISDN) Directory Number.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **5** _{TKL} **2** _{ABC} to access the Memory Block.
- 3 Enter data for CO/PBX No. using the dial pad to assign ISDN Directory Number.
 - ✎ Use the following to enter data:
 - *** to moves the cursor left
 - #** to moves the cursor right
 - 0** _{0P/LN} ~ **9** _{9K/7Z} to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX Line No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

3-53 *Caller Name Indication Selection*

CO/PBX Line Mode
3

Submode
—

Data No.
53

PC Programming
Alt **+AI**

General Description

When an Caller ID number is detected, the Electra Elite IPK system can check the speed dialing buffer for a match. When a name is assigned to a matched number, the name can be displayed, when allowed by this assignment.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|--------------------------|-------------|-----------|-----------------|
| 0 1 / 5 3 | : | I S I N D | N U M |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | NUM | NAM | | TRK | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **5** **3** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** ~ **9** to enter numeric data or CO/PBX No.

— OR —

Conf to go to the next assigned CO/PBX No.



Settings include:

- NO** Disables caller name display.
- NUM** Selected when system speed dial buffers are assigned a number; the number is displayed when Caller ID number matches a speed dial number.
- NAM** Selected when system speed dial buffers are assigned a name; the name is displayed when it is assigned to a matched number and Caller ID number matches the speed dial number.
- TRK** Selected if you want the trunk name or number to be displayed when data is assigned in Memory Block 3-00 (Trunk Name/Number Assignment).

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line after all data is written.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

3-59 Automated Attendant Function Selection

CO/PBX Line Mode
3

Submode
—

Data No.
59

PC Programming
Alt +AU

General Description

Use this Memory Block to specify whether the Automated Attendant is to operate in the Normal DISA Mode or in the Delay Announcement mode.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|---------|--------------|
| 01 / 59 | : | A . A . | N O R M A L |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------|-------|------|------|------|------|------|------|
| NORMAL | DELAY | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **5** **9** to access the Memory Block.
- 3 Press LK2 to Delay Announcement Mode on CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- 4 Press **Transfer** to write the selected data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming


| M.B. Number | Memory Block Name |
|-------------|---|
| 1-4-18 | Automated Attendant Delay Announcement Assignment |
| 1-4-19 | Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection |
| 1-4-20 | Automated Attendant Delay Announcement Disconnect Time Selection |

3-61 *DIT/ANA Delay Answer Time Selection*

CO/PBX Line Mode
3

Submode
—

Data No.
61

PC Programming
 **+BCT**

General Description

Use this Memory Block to specify the time an incoming call rings before being changed to a DIT/ANA call.

This Memory Block can be adjusted in 1-second intervals (**R3000 or higher**).

Display (2500 or lower)












| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|-------------|--------------|
| 01 | 61 | D L Y A N S | 0 s |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0s | 5s | 10s | 20s | 30s | 40s | 50s | 60s |

The shaded selection is the default.

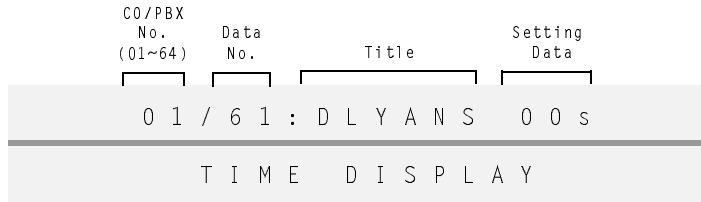
Programming Procedures

- Go off-line.
- Press LK3 +  +   to access the Memory Block.
- Press the applicable line key to change the time an incoming call rings before it is changed to a DIT/ANA call on CO/PBX NO.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or CO/PBX No.
 - OR —
 -  to go to the next assigned CO/PBX No.
- Press  to write the selected data and display the next Memory Block.
- Program the next Memory Block or press  to go back on-line.

Related Programming

Refer to next page for R3000 or higher Programming Procedures.

Display (3000 or higher)



Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **6** **MNO** **7** to access the Memory Block.
- 3 Use the dial pad to enter the Data Setting for Class 1.
 Setting Data
 00s~99s (e.g., 02s = 2s)
- 4 Press **Transfer** to write the data and display the next memory block.
- 5 Program the next memory block, or press **Speaker** to go back on-line.

Default Values
00s
00s = No Time

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------|
| 3-42 | DIT Assignment |
| 3-43 | ANA Assignment |
| 3-62 | DIT Tenant Assignment |



Notes



1. When the time is set to a value other than 0, call termination is treated as a normal incoming call and DIT termination is performed after the time elapses. When 0 is selected, DIT call termination is performed immediately.
2. **R3000 or higher** is required to adjust this memory block by 1-second intervals.

3-62 *DIT Tenant Assignment*

General Description

Use this Memory Block to assign each Trunk to a Master Tenant for the DIT/ANA to follow the Day/Night/Weekend mode settings.

Display

| CO/PBX No. (01~64) | Data No. | Title | Tenant (00~47) |
|-----------------------|----------|-------|-------------------|
| 01 | 62 | DIT | TNT00 |

TIME DISPLAY

CO/PBX Line Mode

3


Submode

—


Data No.

62

PC Programming

 **+BCT**

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **6** (MNU) + **2** (ABC) to access the Memory Block.
- 3 Select the CO/PBX Line No. and enter the Tenant No.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (Wkst) to enter Tenant No. or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX Line No.
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Tenant 00

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------|
| 3-42 | DIT Assignment |
| 3-43 | ANA Assignment |

3-63 *DIT Weekend Mode Selection*

General Description

Use this Memory Block to enable weekend (Holiday) Mode check on Tenant Groups for incoming DIT calls.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|---------|--------------|
| 01 | 63 | HOLIDAY | YS |
| TIME DISPLAY | | | |


CO/PBX Line Mode
3
Submode
—
Data No.
63
PC Programming
Alt **+BCT**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **6** (MO) **3** (DEF) to access the Memory Block.
- Press LK2 to disable weekend Mode check on Tenant Groups for incoming DIT calls on CO/PBX No.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPR) ~ **9** (WVZ) to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the selected data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

3-64 *DIT Night Mode Delay Answer Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 64 |
| PC Programming |
| Alt +BCT |

General Description

Use this Memory Block to specify whether or not the DIT Delay Answer Time applies to the CO/PBX calls ringing in Night Mode.

Display


| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|-----------|--------------|
| 01 / 64 | : | N T M O D | N O |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **6** (MRU) **4** (CHI) to access the Memory Block.
- Press LK2 to apply DIT Delay Answer time for incoming DIT calls ringing in night mode on CO/PBX No.
 -  Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WX12) to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the selected data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

3-65 *Hold Tone Automated Attendant Selection*

CO/PBX Line Mode
3

Submode
—

Data No.
65

PC Programming
Alt +AU

General Description

Use this Memory Block to specify the Automated Attendant message that is played to an extension or DID trunk on an incoming call.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page |
|-----------------------|----------|-------|--------------|------|
| 01 / | 65 : | INC | NONE | 1 |
| T I M E D I S P L A Y | | | | |

Settings

Page 1

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NONE | MSG 1 | MSG 2 | MSG 3 | MSG 4 | MSG 5 | MSG 6 | MSG 7 |

Page 2

| | | | | | | | |
|-------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| MSG 8 | | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **6** **5** to access the Memory Block.
- 3 Press line key to specify the Automated Attendant message to play to an extension or DID trunk on an incoming call to CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** **9** to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- 4 Press **Transfer** to write the selected data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-4-11 | Automated Attendant Message Day/Night Mode Selection |
| 1-4-17 | Automated Attendant Delay Announcement Hold Tone Selection |

3-67 CO/PBX Ringing Pattern Selection

CO/PBX Line Mode
3

Submode
—

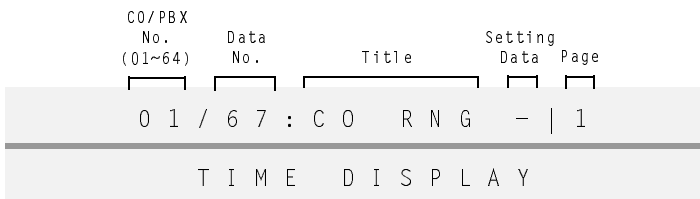
Data No.
67

PC Programming
Alt + BCT

General Description

Use this Memory Block to specify the ringing pattern assigned to each CO/PBX line.

Display



Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| – (None) | Ringing Pattern A | Ringing Pattern B | Ringing Pattern C | Ringing Pattern D | Ringing Pattern E | Ringing Pattern F | Ringing Pattern G |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------------|------|------|------|------|------|------|------|
| Ringing Pattern H | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **6** (MNO) **7** (PQRS) to access the Memory Block.
- Press line key to specify the Ringing pattern assigned to CO/PBX No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPEN) ~ **9** (WXYZ) to enter numeric data or CO/PBX No.
 - OR –
 - Conf** to go to the next assigned CO/PBX No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
- Press **Transfer** to write the selected data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 4-57 | CO Line Ringing Pattern Priority Selection |

The Ring Patterns are shown in the table below:

s= seconds

| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

3-69 911 – Cut Through Trunk Selection

CO/PBX Line Mode
3
Submode
—
Data No.
69
PC Programming
Alt **+AE**

General Description

Use this Memory Block to specify which trunk or trunks are released when a 911 call is placed.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|----------|--------------|
| 01 / 69 | : | 911 DROP | NO |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **6** **9** to access the Memory Block.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the selected data and display next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

CO/PBX No. 01~64 = NO

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---------------------------------------|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 3-33 | Disconnect Recognition Time Selection |
| 3-91 | Trunk Type Selection |
| 1-1-24 | PBX/CTX Access Code Assignment I |
| 1-1-25 | PBX/CTX Access Code Assignment II |

**Notes**

1. When only one trunk is assigned YES, this is the only trunk used for 911-Cut Through.
2. The following calls are not used for 911-Cut Through: Receiving Normal Incoming Call, Receiving DIT/ANA Call, Incoming Automated Attendant, Originating 911 Call, and Receiving ACD Incoming Call.

3-70 *CIC Number Assignment*

General Description

Use this Memory Block to assign the Circuit Identification Code for each voice channel used for K-CCIS.

Display

| CO No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|-------------|--------|-----------------|
| 01 | 70 | CIC NO | 000 |
| T I M E D I S P L A Y | | | |

CO/PBX Line Mode
3

Submode
—

Data No.
70

PC Programming
Alt **+AW**

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + **Transfer** + **7** (PORS) **0** (OPER) to access the Memory Block.

 Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** (OPRS) ~ **9** (WRTR) to enter numeric data or CO/PBX No.

— OR —

- Conf** to go to the next assigned CO/PBX No.

- 3 Press **Transfer** to write the selected data and display next Memory Block or Memory Block 3-00 CO/PBX 02. After the last CO/PBX is programmed, CO/PBX 01 is displayed again.

Default Values

000 (Not Specified)

CIC Number range: 001~127

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-1-05 | Start Time Selection |
| 1-15-00 | K-CCIS Main/Remote Office selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |

**Notes**

CIC Numbers must be assigned consecutively for K-CCIS to operate correctly.

3-73 *CO Message Waiting Yes/No Selection*

CO/PBX Line Mode
3

Submode
—

Data No.
73

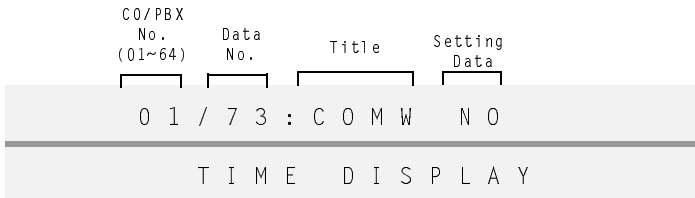
PC Programming
Alt +BCT

General Description

Use this Memory Block to specify whether or not the CO Message Waiting feature is allowed per CO/PBX Line.

R2000 or higher is required.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **7** (PERS) **3** (DEF) to access the Memory Block.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- Press the corresponding CO/PBX line key to change the Setting Data option.
- Press **Transfer** to write the selected data and display Memory Block 3-00 CO/PBX 02. After the last CO/PBX is programmed, CO/PBX 01 is displayed again.

Default Values

CO/PBX No. 01~64 = NO

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 Page 3, LK 2 |
| 4-69 | CO Message Waiting Indication Assignment |

3-77 *ISDN-BRI/PRI Directory Number Checking Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 77 |
| PC Programming |
| Alt +AN |

General Description

Use this Memory Block to determine whether or not the BRT/PRT ETU passes the Directory Number to the CPU when it is received in the ISDN Set Up message.

Enhancement

R4000 or higher and BRT Firmware 2.05 or higher support DID for ISDN-BRI Trunks.

This allows BRI and DID callers with non-matching SPID Numbers to determine whether the system checks the called party number with the SETUP message and the SPID setup. When this Memory Block is set to NO, DID calls can be received on BRI trunks and directed according to Memory Block 1-1-22 (DID Digit Conversion Table).

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data |
|-----------------------|----------|-------|--------------|
| 01 | 77 | DNCHK | NO |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **7** **7** to access the Memory Block.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** OPER ~ **9** WX12 to enter numeric data or CO/PBX No.
 - OR -**
 - Conf** to go to the next assigned CO/PBX No.
- Press the corresponding CO/PBX line key to change the Setting Data option.
- Press **Transfer** to write the selected data and display next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

CO/PBX No. 01~64


Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 3-50 | ISDN Line SPID Assignment |
| 3-52 | ISDN Trunk Directory Number Assignment |
| 3-91 | Trunk Type Selection |
| 1-1-20 | DID Digit Length Selection |
| 1-1-21 | DID Digit Conversion Assignment |
| 1-1-22 | DID Digit Conversion Table |
| 1-1-23 | DID Forward Station Number for Busy Station or Undefined Digit |

**Notes**

1. **R4000 or higher** is required to support this Memory Block.
2. When YES is selected, the BRT/PRT allows only a Directory Number as assigned in Memory Block 3-52 (ISDN Trunk Directory Number Assignment).
3. When NO is selected, the BRT/PRT always passes the Directory Number to the CPU.
4. This Memory Block can be used to make the ISDN-BRI trunks into DID when set to YES.
5. When this Memory Block is changed, the ISDN-BRI ETU must be reset.
6. When this Memory Block is changed, from YES to NO or NO to YES, the appropriate BRT ETU must be reset.

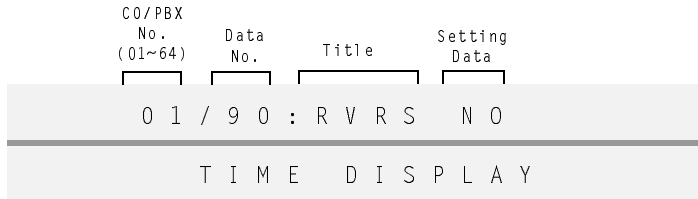
3-90 *Polarity Reverse Selection*

CO/PBX Line Mode
3
 Submode
 —
 Data No.
90
 PC Programming


General Description

Use this Memory Block to enable a Central Office to Reverse the Polarity to provide an answer supervision signal. In North America and Canada, this type of answer supervision is not normally supported by the CO.

Display














Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 +  +   to access the Memory Block.
- 3 Press LK2 to reverse polarity for an answer supervision signal on CO/PBX No.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or CO/PBX No.
 - OR —
 -  to go to the next assigned CO/PBX No.
- 4 Press  to write the selected data and display the next Memory Block.
- 5 Continue the Memory Block 3-90~3-92 cycle until CO/PBX No. 01 is displayed again.
- 6 Press  to go back on-line.

 **Notes** 

This Memory Block applies to Loop Start or Ground Start Trunks only.

3-91 *Trunk Type Selection*

CO/PBX Line Mode
3
Submode
—
Data No.
91
PC Programming
Alt **+BCT**

General Description

Use this Memory Block to specify an external line as a CO, PBX/CTX, Tie, DID, or CTX Assume - 9 line.

Display

| | | |
|--------------------------|-------------|---------------|
| CO/PBX No. (01~64) | Data No. | Trunk Type |
| 0 1 / | 9 1 : | C O |
| T I M E D I S P L A Y | | |

Settings

| | | | | | | | |
|------|-----------------|------|------|---------------------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| CO | PBX (or CTX) | TIE | DID | CTX (Assume - 9) | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + Transfer + 9 7 to access the Memory Block.
- 3 Press line key to specify trunk type for CO/PBX No.
 - Use the following to enter data:
 - * to move the cursor left
 - # to move the cursor right
 - 0 ~ 9 WX/YZ to enter numeric data or CO/PBX No.
 - OR —
 - Conf to go to the next assigned CO/PBX No.
- 4 Press Transfer to write the selected data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Notes

1. This Memory Block affects T1 channels assigned as Tie or DID lines.
2. Integrated Services Digital Network (ISDN) lines can be assigned as PBX/CTX or CTX Assume - 9. A CTX Transfer does not work on ISDN lines.

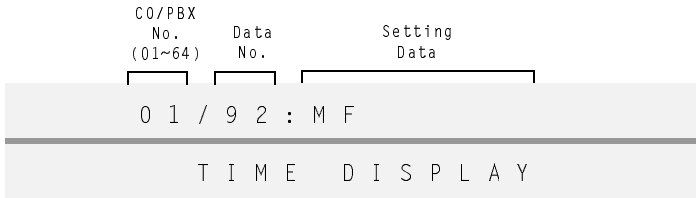
3-92 *Trunk (Installed, DP/DTMF) Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 3 |
| Submode |
| — |
| Data No. |
| 92 |
| PC Programming |
| Alt +BCT |

General Description

Use this Memory Block to specify an external line as DP (10 pps or 20 pps), DTMF line, or not connected (NIL).

Display



Settings

| | | | | | | | |
|------|----------|----------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NIL | DP 10pps | DP 20pps | MF | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK3 + **Transfer** + **9** WXYZ **2** ABC to access the Memory Block.
- Press line key to specify external line as DP or DTMF for CO/PBX No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** OPEN ~ **9** WXYZ to enter numeric data or CO/PBX No.
 - OR —
 - Conf** to go to the next assigned CO/PBX No.
- Press **Transfer** to write the selected data and display the next CO/PBX No. for Memory Block 3-90. After CO/PBX No. 64 is entered, CO/PBX No. 01 is again displayed on Memory Block 3-90.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 3-14 | Tie Line Type Assignment |
| 4-12 | Line Key Selection for Telephone Mode |

Notes

Only Tie lines and Direct Inward Dialing (DID) trunks can use dial pulse on the Electra Elite system. All other trunks must be set to multifrequency (MF).

4-01 CO/PBX Ring Assignment (Day Mode)

Telephone Mode
4

Submode
—

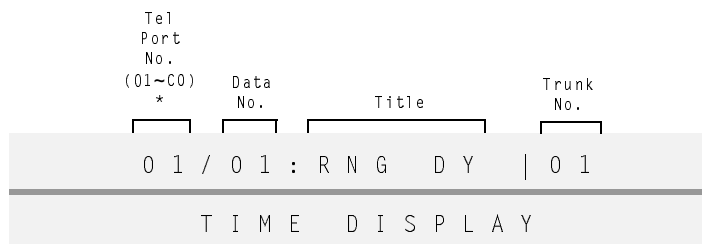
Data No.
01

PC Programming
Alt **+BTT**

General Description

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in Day Mode.

Display



Settings 1

| Tel Port Number | Meaning | Operation |
|-----------------|---------|--------------------|
| *A0~A9 | 100~109 | (Redial) + 1 for A |
| *B0~B9 | 110~119 | (Redial) + 2 for B |
| *C0 | 120 | (Redial) + 3 for C |

Settings 2

Page 1 – Trunks 01~08

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2 – Trunks 09~16

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Page 3 – Trunks 17~24

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Page 4 – Trunks 25~32

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

Page 5 – Trunks 33~40

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

Page 6 – Trunks 41~48

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |

The shaded selection is the default.

Page 7 – Trunks 49~56

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |

Page 8 – Trunks 57~64

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 to access the Memory Block.
- 3 Press the CO/PBX Line key to select Day ring assignment for Tel Port No.
The LED indication changes to indicate data each time a CO/PBX line key is pressed.

Default Values

CO/PBX lines 01 ~ 08 ring at Tel Port numbers 01 and 02.
Tel Port numbers 03 ~ 120 do not ring on any incoming CO/PBX calls.

| CO/PBX Line Key LED | Off | Green | Red |
|---------------------|---------|----------------|--------------|
| Data | No ring | Immediate Ring | Delayed Ring |



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.

– OR –

- to go to next assigned Tel Port No.
- to go to the next page
- to go to the previous page

- 4 Press to write the data and display Memory Block 4-02.
- 5 After programming Memory Blocks 4-02~4-59, the next sequential Tel Port No. is automatically displayed.
- 6 Repeat steps 3, 4, and 5 until all Tel Port Nos. are programmed. Tel Port No. 01 is displayed again.
- 7 Press to go back on-line.



Notes



Telephone ports A0~C0 are ports 100~120. Refer to Settings 1 to enter ports A0~C0.

4-02 CO/PBX Ring Assignment (Night Mode)

Telephone Mode
4

Submode
—

Data No.
02

PC Programming
Alt **+BTT**

General Description

Use this Memory Block to assign incoming CO/PBX calls to ring in Night Mode.

Display



Settings 1

| Tel Port Number | Meaning | Operation |
|-----------------|---------|-------------------------|
| *A0~A9 | 100~109 | Redial + 1 for A |
| *B0~B9 | 110~119 | Redial + 2 for B |
| *C0 | 120 | Redial + 3 for C |

Settings 2

Page 1 – Trunks 01~08

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2 – Trunks 09~16

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Page 3 – Trunks 17~24

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Page 4 – Trunks 25~32

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

Page 5 – Trunks 33~40

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

The shaded selection is the default.

Page 6 – Trunks 41~48

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |

Page 7 – Trunks 49~56)

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |

Page 8 – Trunks 57~64)

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press the CO/PBX Line key to select night ring assignment for Tel Port No.
The LED indication changes to indicate data each time a CO/PBX line key is pressed.

Default Values

CO/PBX lines 01 ~ 08 ring at Tel Port numbers 01 and 02.
Tel Port numbers 03 ~ 120 do not ring on any incoming CO/PBX calls.

| CO/PBX Line Key LED | Off | Green | Red |
|---------------------|---------|----------------|--------------|
| Data | No Ring | Immediate Ring | Delayed Ring |



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.

– OR –

- to go to next assigned Tel Port No.
- to go to the next page
- to go to the previous page

- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.



Notes



Telephone ports A0~C0 are ports 100~120. Refer to Settings 1 to enter ports A0~C0.

4-03 Doorphone Chime Assignment (Day Mode)

Telephone Mode
4

Submode
—

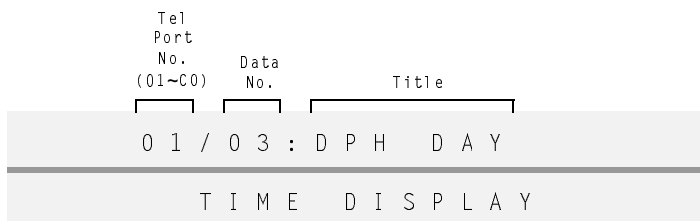
Data No.
03

PC Programming
Alt **+BTP**

General Description

Use this Memory Block to assign up to four doorphones to chime at each station in day mode.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| DPH1 | DPH2 | DPH3 | DPH4 | | | | |

Shading shows the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use LK1~LK4 to assign doorphones 1~4 to chime for Day Mode on Tel Port No.

- Use the following to enter data:
- to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.

— OR —

- to go to next assigned Tel Port No.
- + to enter A for Port Numbers 100~109
- + to enter B for Port Numbers 110~119
- + to enter C for Port Number 120

- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

Ports 01 and 02 chime for all doorphones.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---------------------------------------|
| 1-7-00 | Doorphone Assignment |
| 1-7-01 | Doorphone Display Time Selection |
| 1-7-04 | Doorphone Ringing Pattern Selection |
| 1-7-05 | Doorphone Ringing Frequency Selection |



Notes



Telephone ports A0~C0 are ports 100~120.

4-04 Doorphone Chime Assignment (Night Mode)

Telephone Mode
4

Submode
—

Data No.
04

PC Programming
Alt **+BTP**

General Description

Use this Memory Block to assign up to four doorphones to chime at each station in Night Mode.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| DPH1 | DPH2 | DPH3 | DPH4 | | | | |

The shaded selections indicate default.

Programming Procedures

- 1 Go off-line.
- 2 Press + **0** **4** to access the Memory Block.
- 3 Use LK1~LK4 to assign doorphones 1~4 to chime for Night Mode on Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Ports 01 and 02 chime for all doorphones.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|-------------------------------------|
| 1-7-00 | Doorphone |
| 1-7-01 | Doorphone Display Time Selection |
| 1-7-04 | Doorphone Ringing Pattern Selection |
| 1-7-05 | Doorphone Ring Frequency Selection |



Notes



Telephone ports A0~C0 are ports 100~120.

4-07 Code Restriction Class Assignment (Day Mode)

| | |
|----------------|----------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 07 |
| PC Programming | Alt +AC |

General Description

Use this Memory Block to specify Code Restriction Class per station in Day Mode.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data (00~15) |
|----------------------|----------|---------|----------------------|
| 01 | 07 | CLS DAY | 00 |

T I M E D I S P L A Y

Programming Procedures

- Go off-line.
- Press LK4 + **0** (OPER) **7** (PQRS) to access the Memory Block.
- Use dial pad to change Day Mode Restriction Class 00 for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All Stations Class 00

Related Programming

Refer to [Chapter 3 Advanced Applications](#).



Notes



Telephone ports A0~C0 are ports 100~120.

4-08 Code Restriction Class Assignment (Night Mode)

| |
|----------------|
| Telephone Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 08 |
| PC Programming |
| Alt +AC |

General Description

Use this Memory Block to specify Code Restriction Class per station in Night Mode.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data (00~15) |
|-------------------------|----------|--------|-------------------------|
| 01 | 08 | CLS NT | 00 |

T I M E D I S P L A Y

Programming Procedures

- Go off-line.
- Press LK4 + **0** **8** to access the Memory Block.
- Use dial pad to change Night Mode Restriction Class 00 for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **7** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All Stations Class 00

Related Programming.

Refer to [Chapter 3 Advanced Applications](#).

Notes

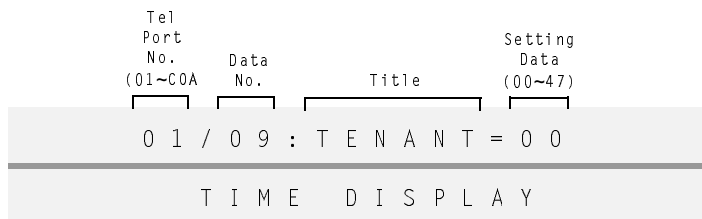
Telephone ports A0~C0 are ports 100~120.

4-09 Telephone to Tenant Assignment

General Description

Use this Memory Block to specify Tenant Assignment per station.

Display



Telephone Mode
4

Submode
—

Data No.
09

PC Programming
Alt **+BTT**

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **0** (OPER) **9** (WXYZ) to access the Memory Block.
- 3 Use dial pad to change telephone to Tenant Assignment for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR —**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All Telephones Tenant 00

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------------|
| 2-01 | Trunk To Tenant Assignment |
| 2-05 | Line Key Selection |
| 2-06 | Line Key Selection for Tenant Mode |
| 2-07 | System Speed Dial Display Assignment |
| 2-08 | ECR Relay to Tenant Assignment |

**Notes**

1. Stations can be assigned to one of 48 Tenant Number (00 ~ 47).
2. The Call Pickup group is determined by Tenant assignment.
3. Telephone ports A0~C0 are ports 100~120.

4-10 Station Number Assignment

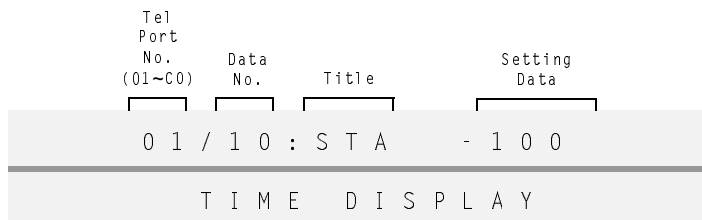
| | |
|----------------|----------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 10 |
| PC Programming | Alt +BS |

General Description

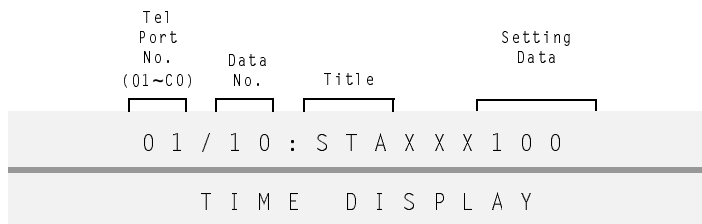
Use this Memory Block to assign a station number to each telephone.

R2500 is required for 5-, 6-, or 7-digit Extension Numbers.

Display (R1700 or lower)



Display (R2000 or higher)



The number displayed after the leading digits is from Memory Block 1-2-34 (Expanded Station Number Assignment) when assigned (**R2500** is required).

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use dial pad to assign a 2- (10~89), 3- (100~899), 4-digit (1000~8999), or 5~7, 4-digit (0000~9999) station number for Tel Port No.

Default Values

Valid Station Numbers are 100~399.

- Use the following to enter data:
- to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.

– OR –

- to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- 4 Press to write the data and display the next Memory Block.
 - 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|------------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-24 | Expanded Station Number Assignment |

**Notes**

1. Station Number Assignment is per station. A station number cannot be assigned to more than one telephone. A telephone cannot have more than one station number.
2. When changing Station Numbers to a different numbering plan perform the following steps in order.
 - a. Select Station Numbers using Memory Block 1-2-03 (2-,3-, or 4-digit Station Number Selection).
 - b. Program applicable Access Code in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], 1-1-47 [Access Code (2-Digit) Assignment], or 1-1-48 [Access Code (3-Digit) Assignment].
 - c. Program all Station Numbers using this Memory Block.
3. Telephone ports A0~C0 are ports 100~120.
4. When 5-, 6-, or 7-digit Extension Numbers are used, the leading digits are assigned in Memory Block 1-2-34 (Expanded Station Number Assignment) and are displayed in this Memory Block when assigned.
5. When 5-, 6-, or 7-digit Extension Numbers are used, only the last four digits are assigned in this Memory Block.

4-11 Ringing Line Preference Selection

Telephone Mode
4

Submode
—

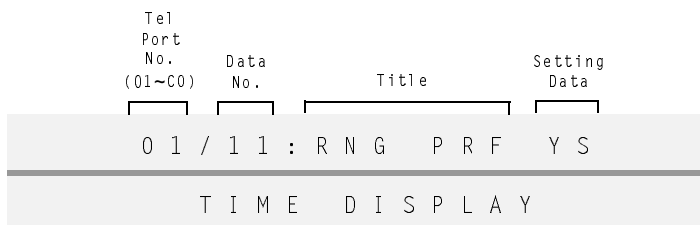
Data No.
11

PC Programming
Alt + BTM

General Description

Use this Memory Block to specify whether or not each station user can answer incoming ringing CO/PBX calls by going off-hook.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **1** **1** to access the Memory Block.
- Press CO/PBX LK1 to prevent the Tel Port No. station user from answering incoming ringing CO/PBX calls by going off hook.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.


Related Programming

| M.B. Number | Memory Block Name |
|-------------|-------------------------------------|
| 4-01 | CO/PBX Ring Assignment (Day Mode) |
| 4-02 | CO/PBX Ring Assignment (Night Mode) |

**Notes**

1. Programming for this Memory Block applies to Ring Assigned telephones only.
2. An intercom call cannot be originated after a ring assigned CO/PBX line terminates on the telephone.
3. Telephone ports A0~C0 are ports 100~120.
4. PS II telephone ports should have ringing line preference set to Yes.

4-12 *Line Key Selection for Telephone Mode*

Telephone Mode
4
Submode
—
Data No.
12
PC Programming
 **+BTM**

General Description

Use this Memory Block to assign a function to each CO/PBX line key on each telephone in a tenant specified as Telephone Mode in Memory Block 2-05 (Line Key Selection).

Display

```

Tel Port      Line Key      Setting
No.          No.          Data 1      Setting
(01~C0)     No.          (01~24) Page 6 max.  Data 2

0 1 / 1 2 : L 0 1 = C 0      0 1

T I M E   D I S P L A Y
    
```

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|--------|--------|---------------------|--------------------|------|---------------|
| NON | CO | FW BNA | FW ALL | Call Appearance Key | Feature Access Key | TKGP | Route Advance |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------------|-------|------------------------|--------------|--------------|--------------|------|
| SIE | Microphone | H SET | SCROLL (ANI/Caller ID) | DND (On/Off) | LOG (On/Off) | BGM (On/Off) | ICM |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block. Verify that Memory Block 2-05 is set to TEL.

Programming Procedures (Continued)

3 Press the CO/PBX line key to select a function for Line Key No. 1, and use dial keys to enter Setting Data 2 if required.

Default Values

For Tel 01~CO: LK01~08 Assigned to CO/PBX lines 01~08.



Use the following to enter data:

- ⌘ to move the cursor left
- ⌘ to move the cursor right
- 0 OPER ~ 9 WXTZ to enter numeric data or Tel Port No.

- OR -

- Conf to go to next assigned Tel Port No.
- Recall to go to the next page, or + to switch to page 2
- Feature to go to the previous page, or = to switch to page 1
- Redial + 1 to enter A for Port Numbers 100~109
- Redial + 2 to enter B for Port Numbers 110~119
- Redial + 3 to enter C for Port Number 120

For example, to assign Trunk Group 5 to CO/PBX line key 1, press LK7 to display the TKGP, and enter 05 using the dial pad.

Setting Data Page 1


| Line Key | Functions [For each telephone in tenant specified as Telephone Mode in Memory Block 2-05 (Line Key Selection)] | Setting Data 1 LCD Indication | Setting Data 2 |
|----------|---|------------------------------------|--------------------------------|
| 1 | Not Specified | NON | N/A |
| 2 | CO/PBX line | CO | 01~64 |
| 3 | Call Forward – Busy/No Answer | FW BNA | N/A |
| 4 | Call Forward – All Call | FW ALL | N/A |
| 5 | Call Appearance Block | C00~C47 (Call Appearance Block) | 01~24 (Call Appearance Key) |
| 6 | Feature Access | F A | 01~16 |
| 7 | Trunk Group | TKGP | 01~32 |
| 8 | Route Advance | ADV | 01~32 |

Setting Data Page 2

| | | | |
|---|---|--------|------------------------------------|
| 1 | Secondary Incoming Extension, including CAR | SIE | Telephone Port No. 01~99, A0~C0 |
| 2 | Microphone | MIC | N/A |
| 3 | Headset | H SET | N/A |
| 4 | Scroll Key for ANI/Caller ID | SCROLL | N/A |
| 5 | Do Not Disturb - Break Mode On/Off | DND | N/A |
| 6 | Log On/Off | LOG | N/A |
| 7 | Background Music On/Off | BGM | N/A |
| 8 | Intercom Key | ICM | N/A |

4 Press **Transfer** to write the data and display the next Line Key No.

Programming Procedures (Continued)

- 5 Repeat Steps 3 and 4 for each Line Key assignment. After Line Key No. 24 is programmed, the next Memory Block is displayed.
- 6 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|----------------------------------|
| 2-05 | Line Key Selection (Tenant Mode) |

**Notes**

1. When an Electra Elite IPK system is installed as a Key Function (KF) system, all COs must be assigned to the line keys. Trunk groups, Route Advance Blocks and Least Cost Routing (LCR) cannot be assigned.
2. At system default, line keys 09~24 are not assigned.
3. Telephone ports A0~C0 are ports 100~120.
4. A minimum of two call appearance keys should be assigned to each PS II.

4-13 CO/PBX Busy Forward Station Assignment

| | |
|----------------|----------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 13 |
| PC Programming | Alt+BTT |

General Description

Use this Memory Block to specify up to two telephones to ring when a CO/PBX call terminates at a busy station.

Display

| Tel Port No. (01~C0) | Data No. | Title | Forward No. 1/2 | Setting Data |
|-----------------------|----------|-------|-----------------|--------------|
| 01 | 13 | FWD | 1 | = |
| T I M E D I S P L A Y | | | | |

Programming Procedures

- Go off-line.
- Press LK4 + **7** **3 DEF** to access the Memory Block.
- Use dial pad to change data.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OFF) ~ **9** (WKT) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **7** to enter A for Port Numbers 100~109.
 - Redial** + **2 DEF** to enter B for Port Numbers 110~119
 - Redial** + **3 DEF** to enter C for Port Number 120
- Setting Data: Port No. 01 ~ 96
- Press **Transfer** to write the data and display Forward No. 2.
- Enter second transfer Port No.
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Not specified

Notes

- When the Multiline Terminal where the forward is initially set (Forward 1) is busy, the call is forwarded to a second specified station (Forward 2).
- When all three stations are busy, the first station rings.
- Telephone ports A0~C0 are ports 100~120.

4-14 Intercom Master Hunt Number Selection

Telephone Mode
4

Submode
—

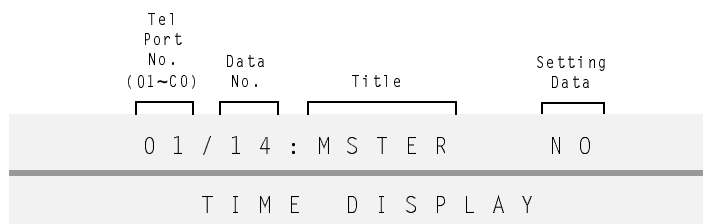
Data No.
14

PC Programming
Alt **+BTT**

General Description

Use this Memory Block to specify whether or not each telephone port number is designated as an intercom master hunt number.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **7** **4** to access the Memory Block.
- Press the corresponding CO/PBX line key to change data option.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPR) ~ **9** (MXY) to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 4-15 | Intercom Master Hunt Number Forward Assignment |

**Notes**

1. When YS is assigned, an incoming internal call from another station, Automated Attendant transferred call, or DIT/ANA/DID/Tie line designated call is forwarded to a station specified in Memory Block 4-15 (Intercom Master Hunt Number Forward Assignment) when the line is busy.
2. Telephone ports A0~C0 are ports 100~120.

4-15 *Intercom Master Hunt Number Forward Assignment*

Telephone Mode
4

Submode
—

Data No.
15

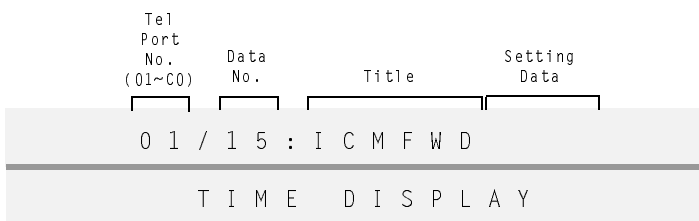
PC Programming
Alt + **BTT**

General Description

Use this Memory Block to specify a telephone to ring for an incoming call when YS is specified in Memory Block 4-14 (Intercom Master Hunt Number Selection) and the Intercom Master Hunt Number line is busy.

R2500 is required for 5-, 6-, or 7-digit Extension Numbers.

Display (R1700 or lower)



Display (R2000 or higher)






The number displayed after the leading digits is from Memory Block 1-2-34 (Expanded Station Number Assignment) when assigned (**R2500** is required).

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.

Programming Procedures





- 3 Use dial pad to enter station number. To set Tel. Port No. to forward station number 300, enter   .

Default Values









All Telephones Not Specified



Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data or Tel Port No.



– OR –

-  to go to next assigned Tel Port No.
-  to clear data when cursor is at setting data
-  +  to enter A for Port Numbers 100~109
-  +  to enter B for Port Numbers 110~119
-  +  to enter C for Port Number 120



Setting data Forward Station Number is one of the following:

- 2 digit (10 ~ 89)
- 3 digit (100 ~ 899)
- 4 digit (1000 ~ 8999)
- 5 digit (X0000 ~ X9999)
- 6 digit (XX0000 ~ XX9999)
- 7 digit (XXX0000 ~ XXX9999)

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 1-1-47 | Access Code (2-Digit) Assignment |
| 1-1-48 | Access Code (3-Digit) Assignment |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-34 | Expanded Station Number Assignment |
| 4-10 | Station Number Assignment |
| 4-14 | Intercom Master Hunt Number Selection |



Notes



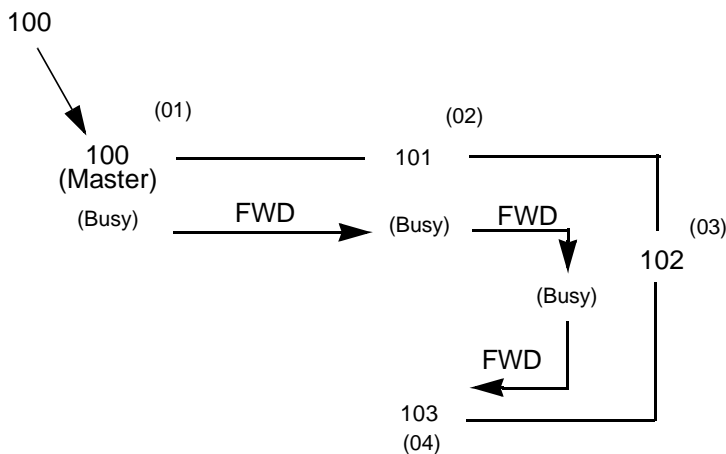
1. Telephone ports A0~C0 are ports 100~120.
2. Example - Assign the following Memory Blocks:
 - Memory Block 4-14 (Intercom Master Hunt Number Selection)
 - Telephone Port Number 01 ==> YES
 - All other Port Numbers ==> NO
 - Memory Block 4-10 (Station Number Assignment)
 - Telephone Port Number and related Station Number

| Port No. | | Station No. |
|----------|-----|-------------|
| 01 | ==> | 100 |
| 02 | ==> | 101 |
| 03 | ==> | 102 |
| 04 | ==> | 103 |

- Memory Block 4-15 (Intercom Master Hunt Number Forward Assignment)
 - Telephone Port Number (Port Number forwards to Station Number)

| Port No. | | Station No. |
|----------|-----|-------------|
| 01 | ==> | 101 |
| 02 | ==> | 102 |
| 03 | ==> | 103 |

Incoming to Station,



3. When 5-, 6-, or 7-digit Extension Numbers are used, the leading digits are assigned in Memory Block 1-2-34 (Expanded Station Number Assignment) and are displayed in this Memory Block when assigned.
4. When 5-, 6-, or 7-digit Extension Numbers are used, only the last four digits are assigned in this Memory Block.

4-17 Station to Class of Service Feature Assignment

Telephone Mode
4

Submode
—

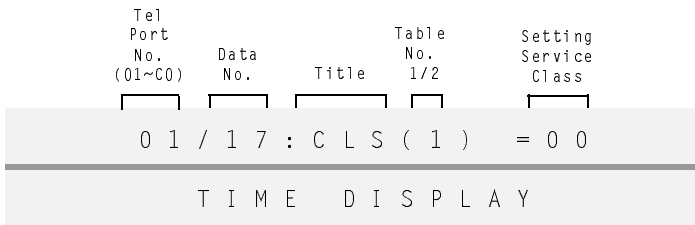
Data No.
17

PC Programming
Alt + **BTT**

General Description

Use this Memory Block to specify a class for each Table (1 or 2) to enable/disable features per station.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use the dial pad to enter Service Class (00 ~ 15) for Table 1/Table 2.



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.
- OR —
- to go to next assigned Tel Port No.
- + to enter A for Port Numbers 100~109
- + to enter B for Port Numbers 110~119
- + to enter C for Port Number 120

Default Values

| Telephone Number | Table Number | Service Class |
|------------------|--------------|---------------|
| 01 | 1 ATTN | 00 |
| | 2 STA | 00 |
| 02 | 1 ATTN | 00 |
| | 2 STA | 00 |
| 03 ~ C0 | 1 ATTN | 15 |
| | 2 STA | 00 |

- 4 Press to write the data and display Table 2 data.
- 5 Enter Table 2 Service Class, and press to write data and display the next Memory Block.
- 6 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 |
| 1-8-08 | Class of Service (Station) Feature Selection 2 |

**Notes**

1. Table 1 includes features that telephone ports 01 and 02 users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-07 [Class of Service (Attendant) Feature Selection 1].
2. Table 2 includes features that all telephones users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-08 [Class of Service (Station) Feature Selection 2].
3. Telephone ports A0~C0 are ports 100~120.

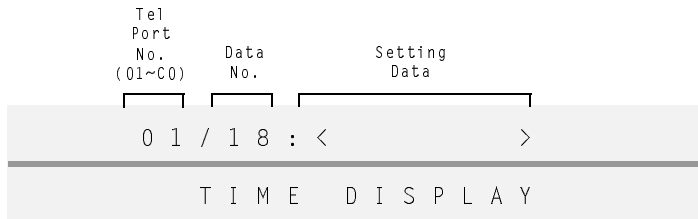
4-18 Station Name Assignment

General Description

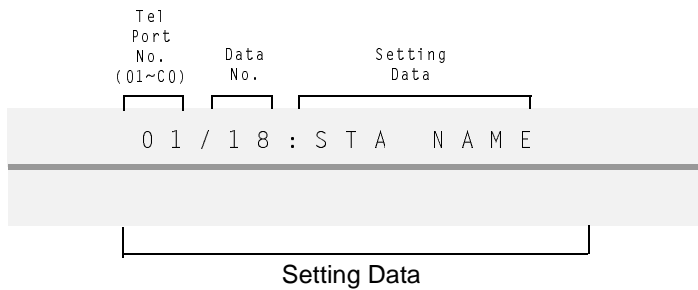
Use this Memory Block to assign names for telephone stations.

R4000 or higher is required to support 16 characters for the Station Name.

Display (R3500 or lower)



Display (R4000 or higher)



Telephone Mode
4

Submode
—

Data No.
18

PC Programming
Alt + **BTT**

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - to clear data when cursor is at setting data
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

Not Specified

**Notes**

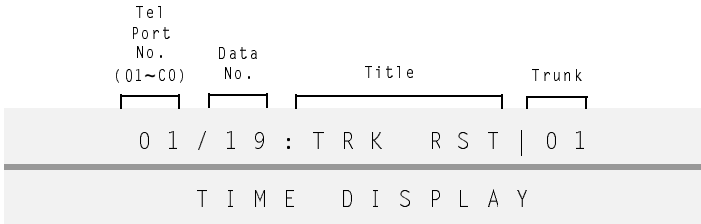
1. While an internal line is ringing or in use, the station number and name of the other party are displayed.
2. The name is not displayed when Tone Override, Automatic Callback, or Callback Request is displayed.
3. Only six digits/characters can be used for each name.
4. Telephone ports A0~C0 are ports 100~120.
5. Refer to [Appendix B Character Codes, Section 1 Character Assignment on page B-1](#) for the procedure for entering station names using the dial pad instead of the ASCII Character Code Tables.
6. **R4000 or higher** is required to support 16 characters for the Station Name.

4-19 *Trunk Outgoing Restriction*

General Description

Use this Memory Block to specify per CO/PBX line whether or not to restrict line seizure for an outgoing call.

Display



Telephone Mode
4

Submode
—

Data No.
19

PC Programming
 +BTT

Settings

Page 1 – Ports 01~08

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2 – Ports 09~16

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Page 3 – Ports 17~24

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Page 4 – Ports 25~32

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

Page 5 – Ports 33~40

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

Page 6 – Ports 41~48

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |

Page 7 – Ports 49~56

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |

Page 8 – Ports 57~64

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |

Default not assigned.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.

Programming Procedures (Continued)

3 Press the CO/PBX line key corresponding to each CO/PBX line.

Default Values

The LED indication changes to indicate data each time a CO/PBX line key is pressed.

Not Restricted

| CO/PBX Line Key LED | Off | On |
|---------------------|----------------|------------|
| Data | Not Restricted | Restricted |

The shaded selection is the default.



Use the following to enter data:

to move the cursor left

to move the cursor right

~ to enter numeric data or Tel Port No.

– OR –

to go to next assigned Tel Port No.

to go to the next page

to go to the previous page

to clear data when cursor is at setting data position

+ to enter A for Port Numbers 100~109

+ to enter B for Port Numbers 110~119

+ to enter C for Port Number 120

4 Press to write the data and display the next Memory Block.

5 Program the next Memory Block or press to go back on-line.



Notes



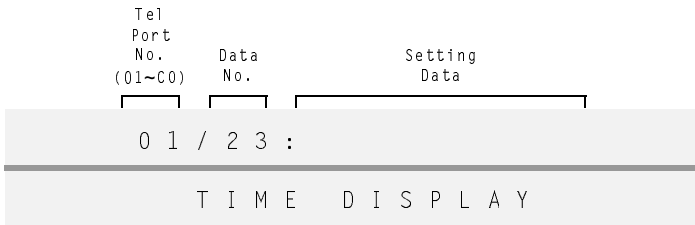
1. A restricted CO/PBX line allows the station user to answer an incoming call or access a held call, but does not allow a user to originate a CO/PBX call.
2. When restricted is specified in this section, the data in Memory Blocks 4-07 [Code Restriction Class Assignment (Day Mode)] and Memory Block 4-08 [Code Restriction Class Assignment (Night Mode)] is treated as invalid even if specified.
3. Telephone ports A0~C0 are ports 100~120.

4-23 Prime Line/Hot Line Assignment

General Description

Use this Memory Block to enable user to access various features when going off-hook.

Display



| | |
|----------------|------------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 23 |
| PC Programming | Alt + BTT |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **2** **3** to access the Memory Block.
- 3 Use dial pad to enter telephone number (10 Digits max.) for Tel Port No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** ~ **9** to enter numeric data or Tel Port No.

— OR —

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109.
- Redial** + **2** to enter B for Port Numbers 110~119
- Redial** + **3** to enter C for Port Number 120
- Redial** and ***** to input *
- Redial** and **#** to input #

Press **Transfer** to write the data and display the next Memory Block.

- 4 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

Not Specified

**Notes**

1. Prime Line function enables a user to seize a specified trunk when the Multiline Terminal goes off-hook. Refer to function codes 063 and 064 for Memory Blocks 1-1-46 [Access Code (1-Digit) Assignment] and 1-1-47 [Access Code (2-Digit) Assignment].
2. To call the specified station number or CO line on Hot Line, go off-hook.
3. When using Prime Line an access code (**Feature**) and (**Speaker**) or ICM key can be used to seize the intercom (ICM) Dialtone for internal call processing.
4. To use Hot Line Assignment, one of the following must be entered:
 - Station Number
 - Access Code and Dial Number
 - Speed Dial Access Code and Speed Dial Buffer Number
5. Only 10 digits can be assigned.
6. Telephone ports A0~C0 are ports 100~120.

4-24 *SLT Hookflash Assignment*

General Description

Use this Memory Block to either Hold or disconnect the trunk for the Single Line Telephone (SLT) hooking operation.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-----------------------|----------|-------|--------------|
| 01 | / 24 | : SLT | HKHOLD |
| T I M E D I S P L A Y | | | |

Telephone Mode
4

Submode
—

Data No.
24

PC Programming
Alt +BTI

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| HOLD | DISC | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Press the corresponding CO/PBX line key to change data option.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 1-3-02 | SLT Hookflash Signal Selection |
| 4-23 | Prime Line/Hot Line Assignment |

**Notes**

1. This Memory Block affects only Single Line Telephone stations assigned Prime Line in Memory Block 4-23 (Prime Line/Hot Line Assignment).
2. When Prime Line is assigned to an Single Line Telephone, hookflash drops the CO and issues intercom (ICM) dial tone when this Memory Block is set to disconnect.
3. After a Single Line Telephone begins to dial out 9 +, hookflash follows Memory Block 1-3-02 (SLT Hookflash Signal Selection) selection.
4. Telephone ports A0~C0 are ports 100~120.

4-26 DISA ID Number Station Assignment

Telephone Mode
4

Submode
—

Data No.
26

PC Programming
Alt +BD

General Description

Use this Memory Block to assign the Direct Inward System Access (DISA) ID Buffer Number corresponding to the station port number. The Station Message Detail Recording (SMDR) printout of the station number identifies the calling party that dialed the DISA ID number.

Display

| Station Port No. (01~C0) | Data No. | Title | Setting Data |
|-----------------------------|----------|--------|--------------|
| 01 | 26 | ID NO. | = 01 |
| TIME DISPLAY | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **2** (ABC) **6** (MKG) to access the Memory Block.
- 3 Use the dial pad to assign DISA ID Buffer Number 01 to Station Port No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.

– OR –

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** (ABC) to enter B for Port Numbers 110~119
- Redial** + **3** (DEF) to enter C for Port Number 120

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

| Station Port Number | DISA ID Buffer Number |
|---------------------|-----------------------|
| 01 | 01 |
| 02 ~ C0 | 02 ~ C0 |

Notes

Telephone ports A0~C0 are ports 100~120.

4-28 *Multilingual LCD Indication Selection*

Telephone Mode
4

Submode
—

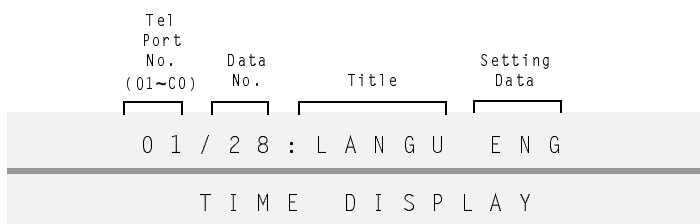
Data No.
28

PC Programming
Alt + BTM

General Description

Use this Memory Block to specify the language displayed on the Multiline Terminal LCD.

DisplayS



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| JAPA | FREN | ENG | SPAN | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change language option for Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR -
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.



Notes



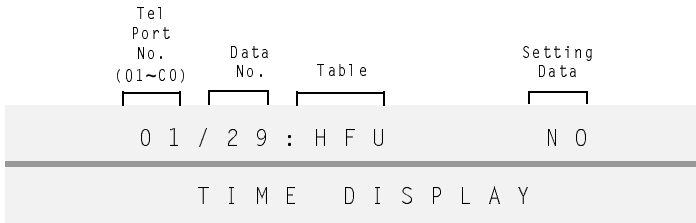
Telephone ports A0~C0 are ports 100~120.

4-29 HFU Selection

General Description

Use this Memory Block to enable/disable per station the built-in Handsfree HFU-U Unit.

Display



Telephone Mode
4

Submode
—

Data No.
29

PC Programming
Alt + BTM

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Press LK2 if you want to enable the HFU-U Unit for Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.



Notes



Telephone ports A0~C0 are ports 100~120.

4-30 *Hold/Transfer Recall Display Selection*

Telephone Mode
4

Submode
—

Data No.
30

PC Programming
Alt + BTM

General Description

Use this Memory Block to enable/disable the Hold Recall indication on the LCD.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **3** (DEF) **0** (OPER) to access the Memory Block.
- Press LK2 to disable Hold Recall LCD Indication for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WRITE) to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Transfer** to go back on-line.



Notes




- When this Memory Block is assigned YS, HOLD RECALL replaces the Time Display.
- LCD indication of the CO line number is displayed on the upper line of the display when a recall occurs, regardless of the assignment for this Memory Block.
- Telephone ports A0~C0 are ports 100~120.

4-31 *Receiving Internal/All Call Page Selection*

Telephone Mode
4

Submode
—

Data No.
31

PC Programming
 **+BTT**

General Description

Use this Memory Block to specify per station whether or not an Internal Zone or Internal All Zone Page is received.

Display





Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YS | NO | | | | | | |





The shaded selection is the default.

Programming Procedures








- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press LK2 to disable Internal Zone or Internal All Zone page for Tel Port No.





Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data or Tel Port No.

– OR –

-  to go to next assigned Tel Port No.
-  +  to enter A for Port Numbers 100~109
-  +  to enter B for Port Numbers 110~119
-  +  3 to enter C for Port Number 120

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.



Notes



1. Internal Emergency All Call Page and Internal Paging by Tenant group override this Memory Block. Refer to Memory Block 1-1-46 [Access Code (1-Digit) Assignment].
2. Telephone ports A0~C0 are ports 100~120.

4-32 *Trunk Digit Restriction*

General Description

Use this Memory Block to specify per port the maximum number of digits that can be dialed on any outside line.

Display



Telephone Mode
4

Submode
—

Data No.
32

PC Programming
Alt **+BTT**

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Use the dial pad to change Setting Data for CO/PBX No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Default Values

00 (No Limit)

Related Programming.

Refer to [Chapter 3 Advanced Applications](#).



Notes



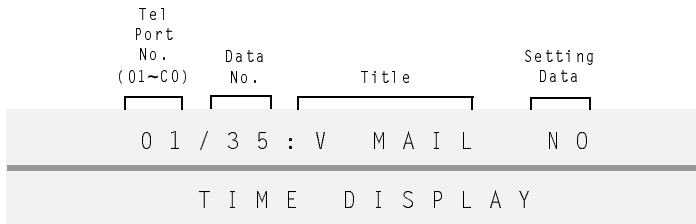
- Code Restriction must be assigned before this feature is used.
- Trunk Digit Restriction applies to all CO/PBX lines.
- Tie Line Code Restriction must be assigned before this feature works on Tie lines.
- Telephone ports A0~C0 are ports 100~120.

4-35 Voice Mail/SLT Selection

General Description

Use this Memory Block to specify whether or not a Voice Mail system is interfaced with the system for Single Line Telephone ports.

Display



Telephone Mode
4

Submode
—

Data No.
35

PC Programming
Alt +BTI

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Press LK2 to interface Voice Mail with single line telephones for Tel Port No.



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.

— OR —

- to go to next assigned Tel Port No.
- + to enter A for Port Numbers 100~109
- + to enter B for Port Numbers 110~119
- + to enter C for Port Number 120

- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 7-2 | Telephone Type Assignment (used for digital voice mail ports) |

**Notes**


1. The SLT(1)-U() ADP Adapter and the ADA(2)-W Unit do not support Voice Mail.
2. Only 16 Voice Mail ports are supported by this system.
3. Telephone ports A0~C0 are ports 100~120.

4-36 Voice Prompt Selection

Telephone Mode
4

Submode
—

Data No.
36

PC Programming
 **+BTT**

General Description

Use this Memory Block to specify per port whether or not to allow Voice Prompt.

Display



















Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press LK2 to allow voice prompt for Tel Port No.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or Tel Port No.
 - OR —
 -  to go to next assigned Tel Port No.
 -  +  to enter A for Port Numbers 100~109
 -  +  to enter B for Port Numbers 110~119
 -  +  to enter C for Port Number 120
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

Notes

Telephone ports A0~C0 are ports 100~120.

4-37 *Extension Line Key Ring Assignment (Day Mode)*

Telephone Mode
4

Submode
—

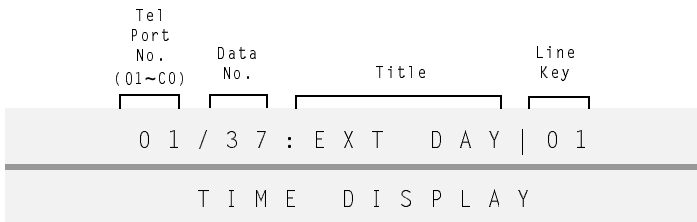
Data No.
37

PC Programming
Alt +BTM

General Description

Use this Memory Block to specify the day ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival key.

Display



Settings

Page 1 – Line Keys 01~08

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Page 2 – Line Keys 09~16

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Default not assigned.

Page 3– Line Keys 17~24

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.















Programming Procedures



- 3 Press the Line Key corresponding to ringing required for Tel Port No.
 The LED indication changes to indicate data each time a CO/PBX Line Key is pressed.

Default Values
 All Telephones: No Ring

| CO/PBX Line Key LED | Off | Green | Red |
|---------------------|---------|----------------|--------------|
| Data | No ring | Immediate Ring | Delayed Ring |

The shaded selection is the default.

-  Use the following to enter data:
-  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or Tel Port No.
 - OR -**
 -  to go to next assigned Tel Port No.
 -  to go to the next page
 -  to go to the previous page
 -  +  to enter A for Port Numbers 100~109
 -  +  to enter B for Port Numbers 110~119
 -  +  to enter C for Port Number 120

- 4 Press  to write the data and display the next Memory Block.
 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-2-26 | Delayed Ringing Time Assignment (ICM) |
| 4-12 | Line Key Selection for Telephone Mode |

Notes

1. When Immediate Ring is set, the LED is green.
2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
3. Telephone ports A0~C0 are ports 100~120.

4-38 *Extension Line Key Ring Assignment (Night Mode)*

Telephone Mode
4

Submode
—

Data No.
38

PC Programming
Alt + BTM

General Description

Use this Memory Block to specify the night ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival Key.

Display



Settings

Page 1 – Line Keys 01~08

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Page 2 – Line Keys 09~16

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Default not assigned.

Page 3 – Line Keys 17~24

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.

Programming Procedures

- 3 Press the Line Key corresponding to ringing required for Tel Port No.
 The LED indication changes to indicate data each time a CO/PBX Line Key is pressed.

Default Values
 All Telephones: No Ring

| CO/PBX Line Key LED | Off | Green | Red |
|---------------------|---------|----------------|--------------|
| Data | No ring | Immediate Ring | Delayed Ring |

The shaded selection is the default.

- Use the following to enter data:
- to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR -**
 - to go to next assigned Tel Port No.
 - to go to the next page
 - to go to the previous page
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120

- 4 Press to write the data and display the next Memory Block.
 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-2-26 | Delayed Ringing Time Assignment (ICM) |
| 4-12 | Line Key Selection for Telephone Mode |

Notes

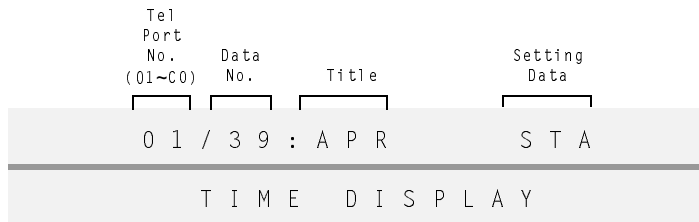
1. When Immediate Ring is set, the LED is green.
2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
3. Telephone ports A0~C0 are ports 100~120.

4-39 APR Ring Mode Assignment

General Description

Use this Memory Block to specify the ringing mode for a Single Line Telephone connected to an AP(R)-R or APR-U Unit.

Display



Telephone Mode
4

Submode
—

Data No.
39

PC Programming
Alt + BTM

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------------------|-------------------------|------|------|------|------|------|------|
| NON (No Ring) | STA (Station Number) | ALL | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **3** (DEF) **9** (WXYZ) to access the Memory Block.
- Press line key to specify ringing Mode for a single line telephone connected to an APR-U Unit for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR –**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. No Ring means that no calls ring at the Single Line Device connected to an AP(R)-R or APR-U Unit.
2. Station Number ring means that only calls directed to the Multiline Terminal Station Number, ring at the Single Line Device connected to an AP(R)-R or APR-U Unit.
3. ALL ring means that all calls that ring at the Multiline Terminal also ring at the Single Line Device connected to an AP(R)-R or APR-U Unit.
4. Telephone ports A0~C0 are ports 100~120.

4-40 *LCR Class Selection*

Telephone Mode
4

Submode
—

Data No.
40

PC Programming
Alt + BTT

General Description

Use this Memory Block to specify per station the Least Cost Routing (LCR) Class. The Electra Elite IPK system has four Area Code Tables. Each LCR Class can have different Trunk group access to allow priority levels for the station user. This Memory Block can be used to specify either the LCR Class or the Automatic Route Selection (ARS) Class (Tables 1~4) depending on the system configuration.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-------------------------|----------|-------|--------------|
| 01 | / 40 | : LCR | CLS = 0 |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 1 | 2 | 3 | 4 | | | |

The shaded selection is the default. Numbers are LCR Classes.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **4** (GHI) **0** (OPER) to access the Memory Block.
- 3 Press line key to specify LCR Class for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. LCR Class Selection corresponds to Area Code Tables as follows:
 - Class 0 No LCR
 - Class 1 Use Area Code Table 1
 - Class 2 Use Area Code Table 2
 - Class 3 Use Area Code Table 3
 - Class 4 Use Area Code Table 4
2. Stations cannot be assigned to multiple LCR Classes.
3. The KMM(1.0)U must be installed on the MIFM-U() ETU to support this feature.
4. Telephone ports A0~C0 are ports 100~120.

4-41 *SIE/CAR Ringing Line Preference Selection*

Telephone Mode
4

Submode
—

Data No.
41

PC Programming
Alt + BTM

General Description

Use this Memory Block to specify whether or not to allow Ringing Line Preference (go off-hook or press Speaker key) on all telephones that are assigned Secondary Incoming Extension (SIE) and/or Call Arrival keys.

Display



















Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YES | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press LK1 to disable Ringing Line Preference for SIE or CAR for Tel Port No.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or Tel Port No.
 - OR —
 -  to go to next assigned Tel Port No.
 -  +  to enter A for Port Numbers 100~109
 -  +  to enter B for Port Numbers 110~119
 -  +  to enter C for Port Number 120
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 4-37 | Extension Line Key Ring Assignment (Day Mode) |
| 4-38 | Extension Line Key Ring Assignment (Night Mode) |

**Notes**

1. Telephone ports A0~C0 are ports 100~120.
2. The SIE/CAR must be ringing for this Memory Block to work.

4-42 *Call Forward-Busy Immediately/ Delay Selection*

| | |
|----------------|------------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 42 |
| PC Programming | Alt + BTT |

General Description

Use this Memory Block to specify immediate forward (NO) or delay forward (YS) for an Incoming CO/PBX call if the station is set for Call Forward – Busy.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **4** (CH) **2** (ABC) to access the Memory Block.
- Press LK1 for immediate forward to a station set to Call Forward – Busy for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPEN) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR –
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 1-2-22 | Call Forward No Answer Time Selection |



Notes



Telephone ports A0~C0 are ports 100~120.

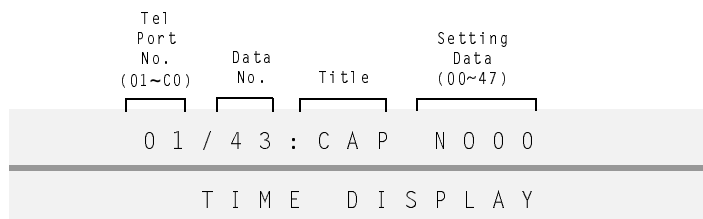
4-43 Station to Call Appearance Block Assignment

| | |
|----------------|------------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 43 |
| PC Programming | Alt + BTT |

General Description

Use this Memory Block to assign a Multiline Terminal to a Call Appearance Block.

Display



Programming Procedures

- Go off-line.
- Press LK4 + **4** (CH) **3** (DEF) to access the Memory Block.
- Use the dial pad to enter Call Appearance Block assignment for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OP/LN) ~ **9** (WR/TA) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All stations are assigned to Call Appearance Block 00.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.

| | | |
|--|--------------|--|
| | Notes | |
| Telephone ports A0~C0 are ports 100~120. | | |

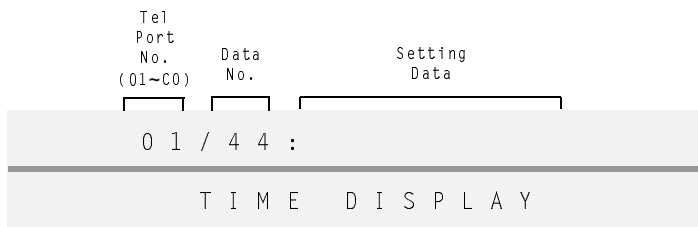
4-44 *Caller ID Preset Dial Outgoing CO Selection*

| | |
|----------------|------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 44 |
| PC Programming | +AI |

General Description

Use this Memory Block to assign the Trunk group, Route Advanced group, or Closed Numbering group that is seized for ANI/Caller ID Outgoing Calls. Use the ANI/Caller ID Scroll key to access the ANI/Caller ID to be called.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use the dial pad to enter Trunk Group, Route Advance group, or Closed Numbering group Access Code to seize for ANI/Caller ID outgoing calls for Tel Port No.

Default Value
Not specified

- Use the following to enter data:
- to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.

- OR -**
- to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120

- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.



Notes



1. Setting Data is Access Code Assignment in Memory Blocks 1-1-46, 47, 48 [Access Code (1-Digit, 2-Digit, or 3-Digit) Assignment]. For example: Dial 9 (101) → Trunk Group 1.
2. Assign the ANI/Caller ID Scroll key using Memory Blocks 2-06 (Line Key Selection for Tenant Mode) or 4-12 (Line Key Selection for Telephone Mode).
3. Telephone ports A0~C0 are ports 100~120. Use redial +1 for A, redial +2 for B, and redial +3 for C.

4-46 *Live Record Auto Delete Selection*

General Description

Use this Memory Block to specify whether or not live record sessions that are not addressed by the station user are deleted.

Display



Telephone Mode
4

Submode
—

Data No.
46

PC Programming
Alt **+AV**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **4** (CHI) **6** (MAG) to access the Memory Block.
- Press LK2 to delete live record sessions not addressed by the user for Tel Port No.

Default Values
NO

- Use the following to enter data:
- *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.

— OR —

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** (ABC) to enter B for Port Numbers 110~119
- Redial** + **3** (DEF) to enter C for Port Number 120

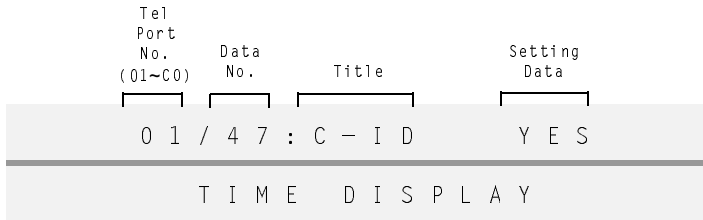
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

4-47 *ISDN Directory Number Selection*

General Description

Use this Memory Block to specify whether or not the directory Number is presented to the Network when a call is placed from the programmed station.

Display



Telephone Mode
4

Submode
—

Data No.
47

PC Programming
Alt **+AN**

Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| YES | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-52 | ISDN Trunk Directory Number Assignment |
| 3-91 | Trunk Type Assignment |
| 4-62 | ISDN-PRI Directory Number Assignment |

**Notes****BRI:**

1. When this Memory Block is set to No, the station placing an outgoing call does not present the programmed number in Memory Block 3-52 assigned for the BRI Trunks. The Network presents Restricted for the Caller ID information.
2. When this Memory Block is set to YES, the station placing an outgoing call presents the programmed number in Memory Block 3-52 assigned for the BRI Trunks. The Network presents the programmed number as Caller ID.

PRI:

1. For ISDN-PRI Calling Party Number (CPN) Presentation from Station, PRT firmware Version 3.50 or higher is required.
2. When this Memory Block is set to No, and ISDN-PRI is used in CO Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is not presented as Caller ID. The Network presents Restricted for the Caller ID information.
3. When this Memory Block is set to YES, and ISDN-PRI is used in CO Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is presented as Caller ID. The Network presents the programmed number as Caller ID.
4. When this Memory Block is set to No, and ISDN-PRI is used in DID Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is not presented as Caller ID.
5. When this Memory Block is set to YES, and ISDN-PRI is used in DID Mode in Memory Block 3-91, the programmed number in Memory Block 4-62 is presented as Caller ID. The Network presents the programmed number as Caller ID.

4-49 *Caller ID Display for CAR Key Assignment*

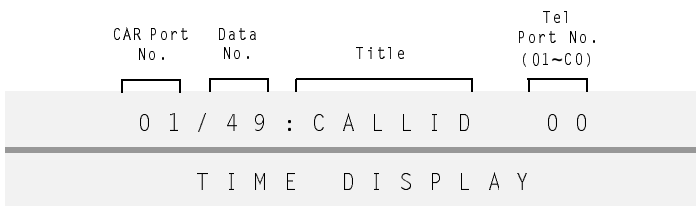
| | |
|----------------|------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 49 |
| PC Programming | +AI |

General Description

Use this Memory Block to assign one Multiline Terminal per CAR to display ANI/Caller ID Indication on incoming CAR calls.

This Memory Block is used for **R1600 and lower**. For **R1700 or higher**, it is no longer required.

Display



Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Use the dial pad to enter Tel port No for CAR Port No. 01.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR -**
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Default Value
Not Specified

Notes

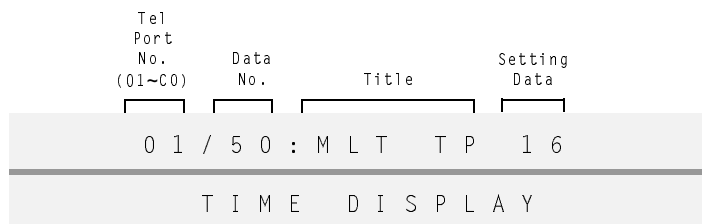
To display ANI/Caller ID Indication for normal incoming CO calls and CAR incoming calls, both ANI/Caller ID Indication and Ring assignment must be assigned for the terminal in System Programming. A maximum of 15 Multiline Terminals can be assigned system-wide to display caller identification for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 (Caller ID Display Assignment for System Mode). A sixteenth Multiline Terminal can be assigned to display ANI/Caller ID Indication for CAR incoming calls per CAR using this Memory Block.

4-50 *Multiline Terminal Type Selection*

General Description

Use this Memory Block to assign a DTU/DTP or DTH/DTR-32-1 TEL, DTP or DTH/DTR-32D-1 TEL, or DTU-32D-2 TEL with 16 Line Keys or 24 Line Keys.

Display



Telephone Mode
4

Submode
—

Data No.
50

PC Programming
Alt + BTM

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 16 | 24 | 24A | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **5** (HL) **0** (OPER) to access the Memory Block.
- Press LK2 if you want 24 line keys for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Default Values

All stations have 16 line keys.

Notes

1. Telephone ports A0~C0 are ports 100~120.
2. Line Key Orientation:
 LK = Line Keys
 OT = One-Touch keys

DTU/DTP-32-1 TEL or DTP-32D-1 or DTU-32D-2

16 Line Key Mode

| | | | | | |
|------|------|------|------|------|-------|
| LK1 | LK2 | LK3 | LK4 | OT 1 | OT 9 |
| LK5 | LK6 | LK7 | LK8 | OT 2 | OT 10 |
| LK9 | LK10 | LK11 | LK12 | OT 3 | OT 11 |
| LK13 | LK14 | LK15 | LK16 | OT 4 | OT 12 |
| | | | | OT 5 | OT 13 |
| | | | | OT 6 | OT 14 |
| | | | | OT 7 | OT 15 |
| | | | | OT 8 | OT 16 |

24 Line Key Mode

| | | | | | |
|------|------|------|------|------|------|
| LK1 | LK2 | LK3 | LK4 | LK17 | LK21 |
| LK5 | LK6 | LK7 | LK8 | LK18 | LK22 |
| LK9 | LK10 | LK11 | LK12 | LK19 | LK23 |
| LK13 | LK14 | LK15 | LK16 | LK20 | LK24 |
| | | | | OT 1 | OT 5 |
| | | | | OT 2 | OT 6 |
| | | | | OT 3 | OT 7 |
| | | | | OT 4 | OT 8 |

DTH/DTR-32D-1 TEL

16 Line Key Mode

| | | | | | | | |
|-----|------|------|------|------|------|------|------|
| LK1 | LK2 | LK3 | LK4 | LK5 | LK6 | LK7 | LK8 |
| LK9 | LK10 | LK11 | LK12 | LK13 | LK14 | LK15 | LK16 |
| OT1 | OT2 | OT3 | OT4 | OT5 | OT6 | OT7 | OT8 |
| OT9 | OT10 | OT11 | OT12 | OT13 | OT14 | OT15 | OT16 |

24 Line Key Mode

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK1 | LK2 | LK3 | LK4 | LK5 | LK6 | LK7 | LK8 |
| LK9 | LK10 | LK11 | LK12 | LK13 | LK14 | LK15 | LK16 |
| LK17 | LK18 | LK19 | LK20 | OT 1 | OT 2 | OT 3 | OT 4 |
| LK21 | LK22 | LK23 | LK24 | OT 5 | OT 6 | OT 7 | OT 8 |

24A Line Key Mode

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK1 | LK2 | LK3 | LK4 | LK5 | LK6 | LK7 | LK8 |
| LK9 | LK10 | LK11 | LK12 | LK13 | LK14 | LK15 | LK16 |
| LK17 | LK18 | LK19 | LK20 | LK21 | LK22 | LK23 | LK24 |
| OT 1 | OT 2 | OT 3 | OT 4 | OT 5 | OT 6 | OT 7 | OT 8 |

4-51 *Off-Hook Ringing Selection*

Telephone Mode
4

Submode
—

Data No.
51

PC Programming
Alt + BTM

General Description

Use this Memory Block to assign per station Off-Hook Ringing to the Multiline Terminal.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-------------------------|----------|----------|--------------|
| 01 | 51 | OFF RING | YS |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YS | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press LK2 to disable Off-Hook Ringing for Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR -
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

Default Values

All Terminals = YS

Notes

Telephone ports A0~C0 are ports 100~120.

4-52 *CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode)*

| | |
|----------------|----------------|
| Telephone Mode | 4 |
| Submode | — |
| Data No. | 52 |
| PC Programming | Alt+BTT |

General Description

Use this Memory Block to specify whether or not day assignment Answer key operation uses ringing. When NO is selected, press the Answer key while an incoming CO line key is flashing to answer the line key call. When YS is selected, the telephone must be ringing for the Answer Key to answer an incoming CO/PBX call.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **5 TEL** **2 REC** to access the Memory Block.
- Press LK1 to disable ringing for answer key operation for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0 OPER** ~ **9 WK12** to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2 REC** to enter B for Port Numbers 110~119
 - Redial** + **3 DEF** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. Telephone ports A0~C0 are ports 100~120.
2. Ringing must be assigned in Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)] for the YS choice to work. When ringing is assigned, and NO is assigned here, the telephone does not ring during incoming CO/PBX calls.

4-53 *CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode)*

Telephone Mode
4

Submode
—

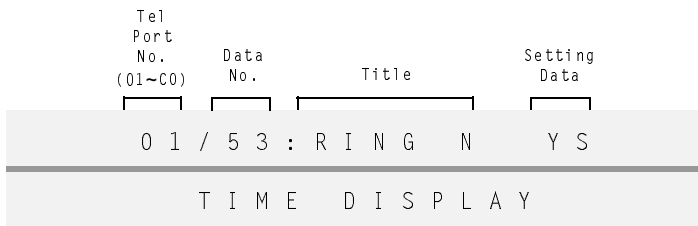
Data No.
53

PC Programming
Alt **+BTT**

General Description

Use this Memory Block to specify whether or not night assignment Answer key operation uses ringing. When NO is selected, press the Answer key while an incoming CO line key is flashing to answer the line key call. When YS is selected, the telephone must be ringing for the Answer key to answer an incoming CO/PBX call.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **5** **3** to access the Memory Block.
- 3 Press LK1 to press the answer key while an incoming CO line key is flashing to answer the call for Tel Port No.
 - ✎ Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

**Notes**

1. Telephone ports A0~C0 are ports 100~120.
2. Ringing must be assigned in Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)] for the YS choice to work. When ringing is assigned, and NO is assigned here, the telephone does not ring during incoming CO/PBX calls.

4-54 *Enhanced 911 CESID to Station Table Assignment*

General Description

Use this Memory Block to specify E911 Caller Emergency Service Identification (CESID).

Display

| Tel Port No. (01~C0) | Data No. | Setting Data |
|-------------------------|----------|--------------|
| 01 | 54 | |
| T I M E D I S P L A Y | | |

Telephone Mode

4


Submode

—



Data No.

54

PC Programming





 **+AE**

Programming Procedures









- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Enter data using dial pad. Enter 7- or 10-digit code plus up to 5-digit extension number (15 digits maximum) for Tel port No.





Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data or Tel Port No.

— OR —

-  to go to next assigned Tel Port No.
-  to clear data when cursor is at setting data position
-  +  to enter A for Port Numbers 100~109
-  +  to enter B for Port Numbers 110~119
-  +  to enter C for Port Number 120

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 1-8-43 | Enhanced 911 Trunk Assignment |
| 1-8-44 | Enhanced 911 Alternate Route Assignment |
| 1-8-45 | Enhanced 911 Alternate Route Assignment (Maintenance Busy) |
| 1-8-46 | Enhanced 911 Dialing Digit Assignment |

**Notes**

Telephone ports A0~C0 are ports 100~120.

4-55 *CO/PBX Telephone Ringing Pattern Selection*

CO/PBX Line Mode

4


Submode

—

Data No.

55

PC Programming

 **+BTT**

General Description

Use this Memory Block to specify the ringing pattern assigned to each telephone.

Display



Settings

Page 1



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| — (None) | Ringing Pattern A | Ringing Pattern B | Ringing Pattern C | Ringing Pattern D | Ringing Pattern E | Ringing Pattern F | Ringing Pattern G |

Page 2

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|-------------------|------|------|------|------|------|------|------|
| Ringing Pattern H | | | | | | | |














The shaded selection is the default.



Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select the ringing pattern for Tel Port No.



Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  ~  to enter numeric data or Tel Port No.
- OR —
-  to go to next assigned Tel Port No.
-  to go to the next page
-  to go to the previous page
-  +  to enter A for Port Numbers 100~109
-  +  to enter B for Port Numbers 110~119
-  +  to enter C for Port Number 120

- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| | |
|--------------------|--|
| M.B. Number | Memory Block Name |
| 4-57 | CO Line Ringing Pattern Priority Selection |



Notes



Telephone Ports A0-C0 are ports 100~120.

The Ring Patterns are shown in the table below:

s= seconds


| Pattern | 0s | 1s | 2s | 3s | 4s | 5s | 6s |
|---------|---------|----|----|----|----|----|----|
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
| F | | | | | | | |
| G | | | | | | | |
| H | | | | | | | |
| NO | No Ring | | | | | | |

4-56 SMDR Telephone Print Selection

CO/PBX Line Mode
4

Submode
—

Data No.
56

PC Programming
 **+AS**

General Description

Use this Memory Block to specify whether or not a call record is printed for the specified station.

Display

















| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-------------------------|----------|---------|--------------|
| 01 | 56 | PRT OUT | YS |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| YES | NO | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press LK2 to deny call record printing for Tel port No.
 -  Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or Tel Port No.
 - OR –
 -  to go to next assigned Tel Port No.
 -  +  to enter A for Port Numbers 100~109
 -  +  to enter B for Port Numbers 110~119
 -  +  to enter C for Port Number 120
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|-----------------------------|
| 1-5-13 | Printer Connected Selection |

Notes

Telephone Ports A0~C0 are ports 100~120.

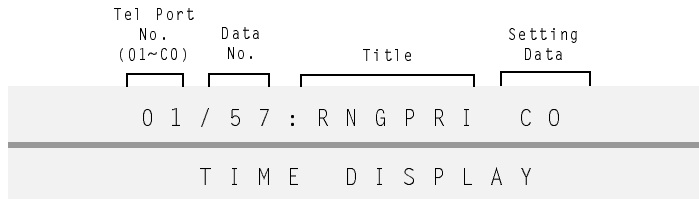
4-57 *CO Line Ringing Pattern Priority Selection*

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 57 |
| PC Programming |
| Alt +BTT |

General Description

Use this Memory Block to specify the priority for station or CO/PBX line ringing.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| CO | TEL | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **5** (JKL) **7** (PQRS) to access the Memory Block.
- Press the corresponding CO/PBX line key to change the data option.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXYZ) to enter numeric data or Tel Port No.
 - OR -
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 4-55 | CO/PBX Telephone Ringing Pattern Selection |
| 3-67 | CO/PBX Ringing Pattern Selection |



Notes



Telephone Ports A0~C0 are ports 100~120.

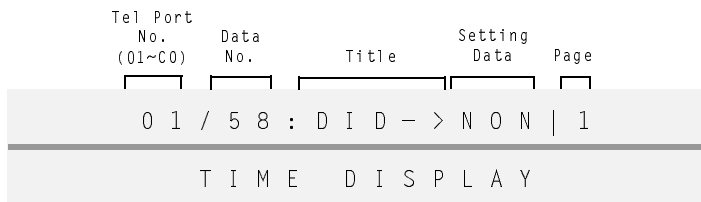
4-58 Automated Attendant Selection for DID

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 58 |
| PC Programming |
| Alt +AU |

General Description

Use this Memory Block to specify the Automated Attendant message for DID calls.

Display



Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NON | AA1 | AA2 | AA3 | AA4 | AA5 | AA6 | AA7 |

Page 2

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| AA8 | | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **5** **8** to access the Memory Block.
- Press the line key to specify Automated Attendant priority for Tel port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** ~ **9** to enter numeric data or Tel Port No.
 - OR —**
 - Conf** to go to next assigned Tel Port No.
 - Recall** to go to the next page
 - Feature** to go to the previous page
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** to enter B for Port Numbers 110~119
 - Redial** + **3** to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.



Notes



Telephone Ports A0~C0 are ports 100~120.

4-59 APR/APA Hookflash Selection

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 59 |
| PC Programming |
| Alt +AU |

General Description

Use this Memory Block to allow/deny Hookflash for Analog Port Adapter with Ringer (AP(R)-R/APR-U) or Analog Port Adapter (AP(A)-R/APA-U) without ringer on a Multiline Terminal.

Display

| Tel Port No. (01~CO) | Data No. | Title | Setting Data |
|-------------------------|----------|---------|--------------|
| 01 | 59 | HK FLSH | NO |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **5** (TEL) **9** (WXTZ) to access the Memory Block.
- Press the corresponding CO/PBX line key to change the setting data option.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXTZ) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ACC) to enter B for Port Numbers 110~119
 - Redial** + **3** (OFF) to enter C for Port Number 120
- Press **Transfer** to write the data and display Memory Block 4-1 for next Tel Port No.
- Program the next Tel Port No. or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--------------------------------|
| 1-1-02 | Hookflash Time Selection |
| 1-3-02 | SLT Hookflash Signal Selection |
| 4-39 | APR Ring Mode Assignment |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|----------------------------|
| 4-95 | DTMF/DP SLT Type Selection |



Notes



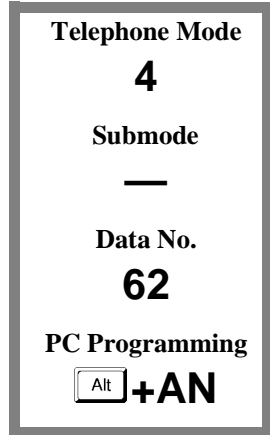
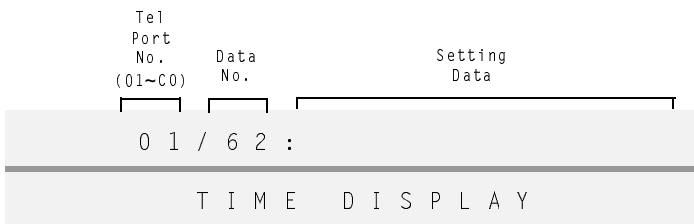
The Single Line Telephone operates normally when connected to an AP(R)-R/ APR-U or AP(A)-R/ APA-U.

4-62 *ISDN-PRI Directory Number Selection*











General Description

Use this Memory Block to provide the station DID Number (CPN, Calling Party Number) to the Network when placing outgoing calls.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data
 - OR —
 -  to go to the next TEL port number
 -  to clear data
- 4 Press  to write the data and display Memory Block 4-01.
- 5 Program Memory Block 4-01 or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 3-52 | ISDN Trunk Directory Number Assignment |
| 3-91 | Trunk Type Assignment |
| 4-47 | ISDN Directory Number Selection |

**Notes**

1. A maximum of 13 digits is allowed.
2. Hyphens/dashes are not allowed when entering the directory number.
3. This Memory Block supports only trunks assigned as DID in Memory Block 3-91.
4. When using CO Line Mode, Memory Block 3-52 is used to assign the directory number for ISDN-PRI.

4-64 *Code Restriction Class (without Authorization Code) Day Mode Assignment*

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 64 |
| PC Programming |
| Alt +AC |

General Description

Use this Memory Block to specify the Code Restriction Class per station in Day Mode when Forced Account Code/Authorization Code is set in Memory Block 1-8-08 [Class of Service (Station) Feature Selection 2] and a call is made without using a Forced Account Code/Authorization Code.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-----------------------|----------|---------|--------------|
| 01 | 64 | CLS DAY | = 15 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **6** (MNO) **4** (CHI) to access the Memory Block.
- 3 Use the dial pad to change Day Mode Restriction Class for Tel port No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** (OPER) ~ **9** (WX12) to enter numeric data or Tel Port No.

— OR —

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** (ABC) to enter B for Port Numbers 110~111
- Redial** + **3** (DEF) to enter C for Port Number 120

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Value

All Stations Class 15

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-1-46 | Access Code(1,2,3-Digit) Assignment |
| 1-1-47 | Function 146 – Forced Account Code/Authorization Code |
| 1-1-48 | Function 147 – Forced Account Code/Authorization Code Access |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 Page 2, LK 8 – Forced Account Code/Authorization Code Programming |
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 5, LK 1 – Forced Account Code/Authorization Code Page 6, LK 3 – Unverified for Forced Account Code/Authorization Code |
| 1-8-27 | Forced Account Code/Authorization Code Length Assignment |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-17 | Station to Class of Service Feature Assignment |
| 4-65 | Code Restriction Class (without authorization code) Night Mode Assignment |

**Notes**

Telephone Ports A0~C0 are ports 100~120.

4-65 *Code Restriction Class (without Authorization Code) Night Mode Assignment*

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 65 |
| PC Programming |
| Alt +AC |

General Description

Use this Memory Block to specify the Code Restriction Class per station in Night Mode when Forced Account Code/Authorization Code is set in Memory Block 1-8-08 [Class of Service (Station) Feature Selection 2] and a call is made without using a Forced Account Code/Authorization Code.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-----------------------|----------|-------|--------------|
| 01 | 65 | CLSNT | = 15 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **6** **5** to access the Memory Block.
- 3 Use the dial pad to change Night Mode Restriction Class for Tel port No.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** ~ **9** to enter Restriction Class or Tel Port No.

— OR —

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** to enter B for Port Numbers 110~119
- Redial** + **3** to enter C for Port Number 120

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Default Value

All Stations Class 15

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-1-46 | Access Code(1,2,3-Digit) Assignment |
| 1-1-47 | Function 146 – Forced Account Code/Authorization Code |
| 1-1-48 | Function 147 – Forced Account Code/Authorization Code Access |
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 Page 2, LK 8 – Forced Account Code/Authorization Code Programming |
| 1-8-08 | Class of Service (Station) Feature Selection 2 Page 5, LK 1 – Forced Account Code/Authorization Code Page 6, LK 3 – Unverified for Forced Account Code/Authorization Code |
| 1-8-27 | Forced Account Code/Authorization Code Length Assignment |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-17 | Station to Class of Service Feature Assignment |
| 4-64 | Code Restriction Class (without authorization code) Day Mode Assignment |

**Notes**

Telephone Ports A0~C0 are ports 100~120.

4-66 MOH or Ring Back Tone Selection

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 66 |
| PC Programming |
| Alt + BTT |

General Description

Use this Memory Block to assign MOH or Ring Back Tone for the outside party when a trunk call is placed on hold by the Transfer key on a Multiline Terminal, hook flash from a Single Line Telephone, or the Transfer or Hold key at a PSII station.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-----------------------|----------|-------|--------------|
| 01 | 66 | HOLD | MOH |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| MOH | RBT | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **6** **6** to access the Memory Block.
- Press the corresponding CO/PBX line key to change the setting data option.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXTZ) to enter Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ASC) to enter B for Port Numbers 110~119
 - Redial** + **3** (OFF) to enter C for Port Number 120
- Press **Transfer** to write the data and advance to the next Memory Block.
- Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|-------------------------------------|
| 1-8-09 | Music on Hold Pattern Selection |
| 1-8-31 | Hold Tone Source Assignment |
| 1-8-32 | Hold Internal Tone Volume Selection |
| 3-11 | CO External Source Selection |
| 3-12 | Trunk-to-MOH Trunk Assignment |

**Notes**

Telephone Ports A0~C0 are ports 100~120.

4-67 IP Station Number Assignment

General Description

Use this Memory Block to assign a station number for each IP telephone supported by the IPCA()-U() ETU.

System Software R2500 is required.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-------------------------|----------|-------------|--------------|
| 01 | / 67 | : I P I C M | |
| T I M E D I S P L A Y | | | |

CO/PBX Line Mode

4


Submode

—

















Data No.

67

PC Programming

 **+BTT**

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3  Use dial pad to assign a 2- (10~89), 3- (100~899) or 4-digit (1000~8999) station number for each Tel Port No.:
 -  to move the cursor left
 -  to move the cursor right
 -  ~  to enter numeric data or Tel Port No.
 - OR —**
 -  to go to next assigned Tel Port No.
 -  +  to enter A for Port Numbers 100~109
 -  +  to enter B for Port Numbers 110~119
 -  +  to enter C for Port Number 120
- 4 Press  to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

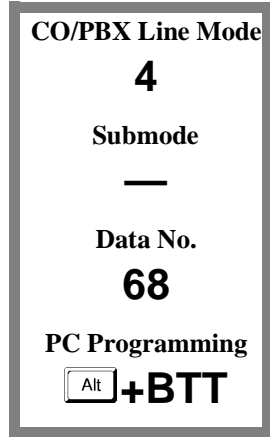
Related Programming

| M.B. Number | Memory Block Name |
|--------------------|--|
| 7-1 | Card Interface Slot Assignment |
| 1-1-46 | Access Code (1-Digit) Assignment Function 001 |
| 1-1-47 | Access Code (2-Digit) Assignment Function 001 |
| 1-1-48 | Access Code (3-Digit) Assignment Function 001 |
| 1-2-03 | 2~7-Digit Station Number Selection |
| 1-2-04 | Call Arrival Key Block Assignment |
| 1-2-21 | PS Telephone Block Assignment |
| 1-2-32 | IP Telephone Block Assignment |
| 1-2-33 | IP Telephone Block Assignment Allow/Deny Selection |
| 1-2-34 | Expanded Station Number Assignment |
| 4-07 | Code Restriction Class Assignment (Day Mode) |
| 4-08 | Code Restriction Class Assignment (Night Mode) |
| 4-10 | Station Number Assignment |
| 4-40 | LCR Class Selection |
| 4-54 | Enhanced 911 CESID to Station Table Assignment |
| 4-56 | SMDR Telephone Print Selection |

**Notes**

1. The Electra Elite IPK Basic port package allows up to 30 IP Telephones to be installed using dedicated ports 73~104.
2. The maximum station port capacity for the Electra Elite IPK Expanded port package is reduced by the number of IPC IP Telephones assigned by this Memory Block in groups of four.
3. The Electra Elite IPK Expanded port package allows a maximum of 120 ports to be shared by station ports (ESI, SLI, OPX, FMS/VMS, etc.), Call Arrival Keys, PS Telephones, and IP Telephones. When 32 station ports are being used as IP Telephones, 88 Station ports remain for use by the Electra Elite IPK Legacy system.

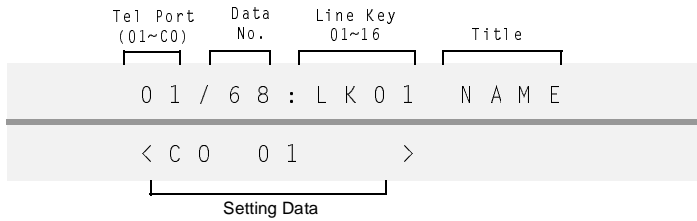
4-68 LCD Line Key – Name Assignment



General Description

Use this Memory Block to assign a name to each LCD Line Key of the DTH/DTR-16LD-1 Telephone. Up to eight characters can be assigned.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **6** **8** to access the Memory Block.
- 3 Use the dial pad to change Line key number or name.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** ~ **9** to enter Name, Line key number or Tel Port No.

– OR –

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** to enter B for Port Numbers 110~119
- Redial** + **3** to enter C for Port Number 120

- 4 Press **Transfer** to write the data and display the next Line key and name.
- 5 Repeat Steps 3 and 4 for each Line key assignment. After Line key 16 is programmed, the next Tel Port No. is displayed. When you want to program less than 16 keys, after the last Line key to program, press **Conf** to go to next assigned Tel Port No. After all Tel Ports are assigned, the next Memory Block is displayed.
- 6 Program the next Memory Block or press **Speaker** to go back on-line.

Default Value

LK01~08: C0 01~08

Related Programming


| M.B. Number | Memory Block Name |
|-------------|---------------------------------------|
| 7-2 | Telephone Type Assignment |
| 4-12 | Line Key Selection for Telephone Mode |

**Notes**

1. Telephone Ports A0~C0 are ports 100~120.
2. The name can be entered using the dial pad. Follow the procedures in Appendix B Character Codes.
3. The default names listed in the table below are assigned based on the line key type from Memory Block 4-12 (Line Key Selection for Telephone Mode).

| LK Assign | Default | Note |
|-------------------------------------|----------------|--------------------------------|
| NON (not assigned) | All Blank | |
| CO Outside Lines | CO^xx | xx=Port 01~64 |
| Call Forward – Busy/No Answer | CFB | |
| Call Forward – All Calls | CFA | |
| Call Appearance Keys (CAP) | CAPxx-yy | xx=Block 00~47 yy=Key 01~24 |
| Programmable One-Touch Keys | FA xx | xx=key 01~24 |
| Trunk Group | TKGP^xx | xx=Trunk Group 01~32 |
| Route Advance Group | ADV^xx | xx=Group 01~16 |
| SIE including CAR | SIE^xxx | xxx=Port No. 01~99, AO~CO |
| Microphone | MIC | |
| Headset On/Off Key | HSET | |
| Scroll Key for Caller ID indication | SCROLL | |
| Do Not Disturb On/Off | DND | |
| Log On/Off | LOG | |
| BGM On/Off | BGM | |
| Intercom Key | ICM | |

4-69 *CO Message Waiting Indication Assignment*

CO/PBX Line Mode
4
Submode
—
Data No.
69
PC Programming
 **+BTT**

General Description

Use this Memory Block to assign the CO Message Waiting Indication to Line Keys assigned for direct CO/PBX appearances in Memory Block 4-12 (Line Key Selection for Telephone Mode) per line key per station.

R2000 or higher is required.

Display

| Tel Port No. (01~C0) | Data No. | Title | Line Key |
|----------------------------|-------------|-----------|----------|
| 0 1 | / 6 9 | : C O M W | 0 1 |
| T I M E D I S P L A Y | | | |

Settings

Page 1 Line Keys 01~08

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Page 2 Line Keys 09~16



| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

default not assigned.

Page 3 Line Keys 17~24

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Programming Procedures


- 1 Go off-line.
- 2 Press LK4 +   to access the Memory Block.
- 3 Press the Line Key corresponding to CO Message Waiting Indication required for Tel Port No.


The LED indication changes to indicate data each time a CO/PBX Line Key is pressed:

Off Not assigned

On Red: Assigned


 Use the following to enter data:


 to move the cursor left


 to move the cursor right

 ~  to enter Tel Port No.



- OR -



 to go to next assigned Tel Port No.



 to go to the next page

 to go to the previous page

 +  to enter A for Port Numbers 100~109

 +  to enter B for Port Numbers 110~119

 +  to enter C for Port Number 120

- 4 Press  to write the data and advance to the next Memory Block.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-8-07 | Class of Service (Attendant) Feature Selection 1 Page 3, LK 2 |
| 3-73 | CO Message Waiting Yes/No Selection |



Notes



This assignment is valid for Multiline Terminals only.

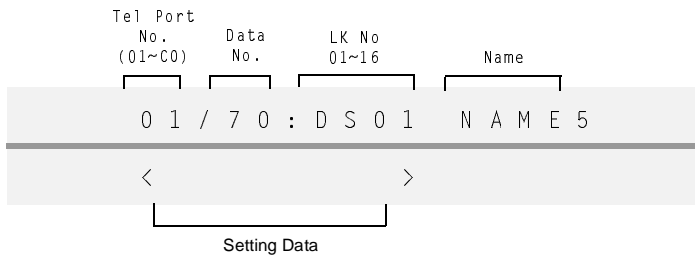
4-70 LCD Line Key – Name Assignment (Station Add-On Console)

General Description

Use this Memory Block to assign a name to each Station Add-On Console. Up to eight characters can be assigned per line key.

R4000 or higher is required to support the Add-On Console.

Display



CO/PBX Line Mode

4

Submode

—

Data No.

70

PC Programming

Alt **+BTM**

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Use the dial pad to change line key number or name.



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.

– OR –

- to go to next assigned Tel Port No.
- + to enter A for Port Numbers 100~109
- + to enter B for Port Numbers 110~119
- + to enter C for Port Number 120

- 4 Use dial pad to enter characters for each line key.
- 5 Press to write the data and display the next line key and name.
- 6 Repeat step 4 for each line key assignment. After Line Key 16 is programmed, the next Memory Block is displayed. For less than 16 line keys, after the last line key to be programmed, press to go to next Tel. Port No.
- 7 Program the next Memory Block or press to go back on-line.

Default Value

LK01~16: Blank

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|-----------------------------------|
| 7-2 | Telephone Type Assignment |
| 4-50 | Multiline Terminal Type Selection |

**Notes**

1. Telephone Ports A0~C0 are ports 100~120.
2. The name can be entered using the dial pad. Follow the procedure in Appendix B Character Codes.
3. Maximum of 120 Station Add-On Consoles.
4. The Station Add-On Console cannot be connected to a 32-button terminal.
5. The Station Add-On Console can be used only for DSS/BLF keys. COs cannot be assigned to the Station Add-On Console.
6. When using the Station Add-On Console, Memory Block 4-50 (Multiline Terminal Type Selection) should be assigned as a 16-button terminal for the ports that have the Station Add-On Console connected.
7. The Station Add-On Console can be connected only to a -X Terminal or higher.

4-71 Station to Timer Class of Service

General Description

Use this Memory Block to specify the Timer Class of Service per station.

R3000 or higher is required.

| |
|------------------|
| CO/PBX Line Mode |
| 4 |
| Submode |
| — |
| Data No. |
| 71 |
| PC Programming |
| Alt +AC |

| Tel Port No. (01~C0) | Data No. | Title | Setting Data 1~4 |
|----------------------|----------|--------|------------------|
| 01 | 71 | TMRCLS | 1 |
| TIME DISPLAY | | | |

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Use the dial pad to change Station to Timer Class of Service.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter Restriction Class or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Timer Class of Service.
- Program the next Timer Class of Service or press to go back on-line.

Default Value

Tel Ports 1 & 2 = Class 1
 All other ports = Class 2

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-1-03 | Hold Recall Time Selection (Non-Exclusive Hold) |
| 1-1-05 | Start Time Selection |
| 1-1-07 | Tie Line Delay Ringing Time Selection |
| 1-1-12 | Station Transfer/Camp-On Recall Time Selection |
| 1-1-37 | Trunk Queuing Timeout Selection |
| 1-1-63 | Hold Recall Time Selection (Exclusive) |
| 1-2-00 | Internal Paging Timeout Selection |
| 1-2-02 | Automatic Callback Release Time Selection |
| 1-2-22 | Call Forward – No Answer Time Selection |
| 1-2-23 | System Call Park Recall Time Selection |
| 1-4-02 | Automated Attendant Transfer Delayed Ringing Time Selection |
| 1-7-06 | External Paging Timeout Selection |

**Notes**

1. Telephone Ports 1 and 2 are in Station to Timer Class of Service, Class 1 by default. All other ports are in Station to Timer Class of Service, Class 2 by default.
2. When a system is upgraded from **R2500 or below**, the related Memory Blocks above and the following are reset to the default value during the upgrade process:
 - 1-1-06 CO/PBX Incoming Ringing Alarm Time Selection
 - 1-1-81 ISDN Dial Interval Time Selection
 - 1-3-03 First Digit PBR Release Time Selection
 - 1-4-01 Automated Attendant First Digit PBR Release Time Selection
 - 1-4-03 Automated Attendant No Answer Disconnect Time Selection
 - 1-7-01 Doorphone Display Time Selection
3. Telephone Ports A0~C0 are ports 100~120.

4-90 *SLT Data Line Security Assignment*

Telephone Mode
4

Submode
—

Data No.
90

PC Programming
Alt **+BTT**

General Description

Use this Memory Block to specify NORMAL or DATA position for a Single Line Telephone (SLT).

Display

| Tel Port No. (01~CO) | Data No. | Title | Setting Data |
|-------------------------|----------|-------|--------------|
| 01 | 90 | SLT | NORMAL |
| TIME DISPLAY | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|--------|------|------|------|------|------|------|------|
| NORMAL | DATA | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press LK2 to select DATA for Single Line Telephones for Tel Port No.

Default Values

Ports 01~CO = NO



Use the following to enter data:

- to move the cursor left
- to move the cursor right
- ~ to enter numeric data or Tel Port No.

— OR —

- to go to next assigned Tel Port No.
- + to enter A for Port Numbers 100~109
- + to enter B for Port Numbers 110~119
- + to enter C for Port Number 120

- 4 Press to write the data and display the next Memory Block.
- 5 Program Memory Blocks 4-91~4-95. The next Tel Port No. is displayed.
- 6 Repeat Steps 3, 4, and 5, for all Tel Port Nos. Tel Port No. 01 is displayed again for Memory Block 4-90.
- 7 Press to go back on-line.

**Notes**

1. When connecting SLT/Voice Mail, assign NORMAL. When connecting Fax/Modem, assign DATA.
2. When Multiline Terminal is assigned for Data Line Security, Tone Override and Call Alert Notification tones are not heard from the handset; however, the tone is still sent and heard from the speaker when off-hook.
3. Data Line Security denies a station from barging in, even if Barge-In is allowed in Class of Service.
4. When this Memory Block is set to DATA, the Voice Override tone is not heard when doing a Voice Over Split.
5. Telephone ports A0~C0 are ports 100~120.

4-91 Telephone Ringing Variation Selection

Telephone Mode
4

Submode
—

Data No.
91

PC Programming
Alt + BTM

General Description

Use this Memory Block to assign a Low, Medium, or High ringing tone frequency when Telephone is specified in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| M | L | H | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **9** (WXTZ) **7** to access the Memory Block.
- 3 Press the line Key to select ringing frequency for Tel Port No.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (OPER) ~ **9** (WXTZ) to enter numeric data or Tel Port No.
 - OR -**
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (REC) to enter B for Port Numbers 110~119
 - Redial** + **3** (OFF) to enter C for Port Number 120
- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|--|
| 1-1-28 | Distinctive Ringing by Telephone or CO Selection |
| 3-07 | CO/PBX Ringing Variation Selection |

**Notes**

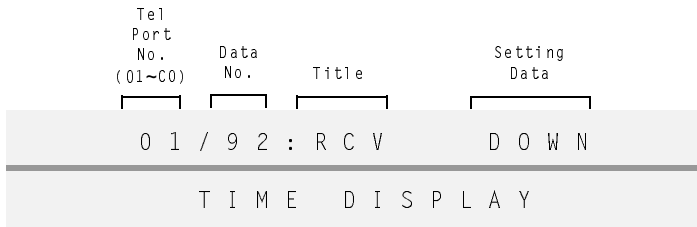
1. This Memory Block is applicable for telephones selected in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).
2. Selected ringing tone (H, M or L) applies to incoming outside line calls only.
3. Telephone ports A0~C0 are ports 100~120.

4-92 Receiving Volume Selection

General Description

Use this Memory Block to specify whether receiving volume is returned to normal (DOWN) or kept as is (UP) on a call after hanging up.

Display



Telephone Mode
4

Submode
—

Data No.
92

PC Programming
 +BTT

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| DOWN | UP | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + to access the Memory Block.
- Press LK2 to keep volume UP after hanging up a call.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR —
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- Press to write the data and display the next Memory Block.
- Program the next Memory Block or press to go back on-line.

Notes

When UP is assigned in this Memory Block, and a user sets the handset volume to maximum, the volume is reset to a level to meet FCC standard when the user hangs up.

4-93 *Internal Zone Paging Selection*

Telephone Mode
4

Submode
—

Data No.
93

PC Programming
Alt **+BTM**

General Description

Use this Memory Block to assign stations as Internal page zones.

Display

| Tel Port No. (01~C0) | Data No. | Title | Setting Data |
|-------------------------|----------|---------|--------------|
| 0 1 / 9 3 | : | Z O N E | N O |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| NO | A | B | C | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select internal page zone for Tel Port No.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data or Tel Port No.
 - OR -
 - to go to next assigned Tel Port No.
 - + to enter A for Port Numbers 100~109
 - + to enter B for Port Numbers 110~119
 - + to enter C for Port Number 120
- 4 Press to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press to go back on-line.

**Notes**

1. Specify one zone:
All Internal Zones: Paged by dialing 51
Zone A: Paged by dialing 52
Zone B: Paged by dialing 53
Zone C: Paged by dialing 54
2. Telephones can be assigned to No Zone. All Internal Zones page the telephone unless No Page Receive is assigned in Memory Block 4-31 (Receiving Internal/All Call Page Selection).
3. All Internal Zones pages all of the idle Multiline Terminals.
4. Telephone ports A0~C0 are ports 100~120.

4-94 3-Minute Alarm Selection

Telephone Mode
4

Submode
—

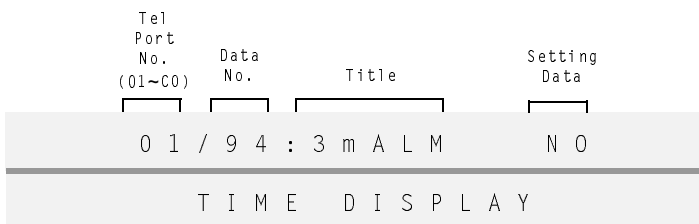
Data No.
94

PC Programming
Alt + BTM

General Description

Use this Memory Block to specify per station whether or not a warning tone is generated at 3-minute intervals during an outgoing or incoming CO/PBX call.

Display



Settings

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| NO | YS | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK4 + **9** **4** to access the Memory Block.
- 3 Press LK2 to generate a three-minute warning tone during a call for Tel port No.

Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- 0** OPER ~ **9** WXYZ to enter numeric data or Tel Port No.

- OR -

- Conf** to go to next assigned Tel Port No.
- Redial** + **1** to enter A for Port Numbers 100~109
- Redial** + **2** to enter B for Port Numbers 110~119
- Redial** + **3** to enter C for Port Number 120

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Notes

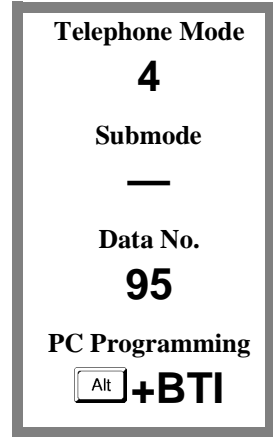
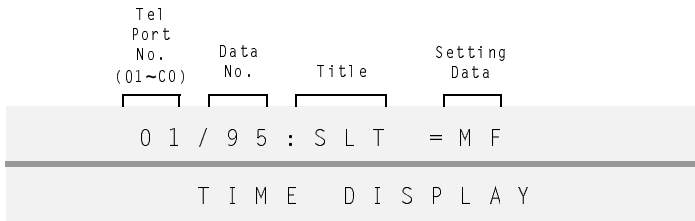
1. A 1-second (approximately) warning signal sounds every three minutes during CO/PBX calls.
2. The alarm tone is heard through the terminal speaker only.
3. When the built-in speakerphone is used for handsfree, the warning signal is not used.
4. Telephone ports A0~C0 are ports 100~120.

4-95 *DTMF/DP SLT Type Selection*

General Description

Use this Memory Block to specify per port whether Dial Pulse or Dual-Tone Multifrequency (MF) Single Line Telephone is connected to the system.

Display



Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| DP | MF | | | | | | |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK4 + **9** (WXT) **5** (HLL) to access the Memory Block.
- Press LK1 to specify Dial Pulse for single line telephones connected to the system.
 - Use the following to enter data:
 - *** to move the cursor left
 - #** to move the cursor right
 - 0** (UPER) ~ **9** (WXT) to enter numeric data or Tel Port No.
 - OR —
 - Conf** to go to next assigned Tel Port No.
 - Redial** + **1** to enter A for Port Numbers 100~109
 - Redial** + **2** (ABC) to enter B for Port Numbers 110~119
 - Redial** + **3** (DEF) to enter C for Port Number 120
- Press **Transfer** to write the data and display the next Tel Port No. for Memory Block 4-90.
- Repeat Steps 3 and 4 for all Tel Port Nos. Tel Port No. 01 for Memory Block 4-90 is displayed.

5-00 *Digit Add/Del for Tie Line Networking Assignment*

Trunk Group Mode

5

Submode

—

Data No.

00

PC Programming

Alt **+ALN**

General Description

Use this Memory Block to specify the number of digits to add/delete from the telephone number sent from a distant system over Tie lines or from DID lines. The digits enable the system to determine whether a call is directed to the local system or to a distant system. Refer to Notes.

Display

| Trunk Group No. (01~32) | Data No. | Title | Setting Data |
|-------------------------------|-------------|-------------|-----------------|
| 01 | / 00 | : ADD / DEL | 000 |
| T I M E D I S P L A Y | | | |

Programming Procedures

- 1 Go off-line.
- 2 Press LK5 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to enter the data.



Use the following to enter data:

- ⌘ to move the cursor left
- ⌘ to move the cursor right
- ⌘ ~ ⌘ to enter numeric data
- ⌘ to go to the next Trunk Group No.




Setting Data:

| | |
|----------|-------------------------------|
| 000: | No Addition or Deletion |
| 001~009: | [1]~[9] Add |
| 010: | [0] Digit Add |
| 100~199: | [00]~[99] Add |
| 201: | 1-Digit Delete |
| 202: | 2-Digit Delete |
| 301~309: | 1-Digit Delete and 1~9 Add |
| 310: | 1-Digit Delete and 0 Add |
| 400~499: | 1-Digit Delete and 00~99 Add |
| 501~509: | 2-Digit Delete and 1 ~ 9 Add |
| 510: | 2-Digit Delete and 0 Add |
| 600~699: | 2-Digit Delete and 00 ~99 Add |

- 4 Press **Transfer** to write the data and display Memory Block 5-01.
- 5 After Memory Blocks 5-01~5-03 are programmed, the next Trunk Group No. is displayed on Memory Block 5-00.
- 6 Program all Trunk Group Nos. Trunk Group No. 01 is displayed again.

Programming Procedures

7 Press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|----------------------------------|
| 1-1-46 | Access Code (1-Digit) Assignment |
| 3-03 | Trunk-to-Trunk Group Assignment |

**Notes**

1. This Memory Block applies only when two or more systems are connected by Tie lines or when the systems are connected by a DID line.
2. When the call is intended for another system, the Tie line is directed to send the number again.
3. At default, DID lines are not assigned to a Trunk group.
4. This Memory Block affects T1 channels assigned as Tie/DID lines.

5-01 Tie Line Networking Tandem Connection Assignment

| |
|------------------|
| Trunk Group Mode |
| 5 |
| Submode |
| — |
| Data No. |
| 01 |
| PC Programming |
| Alt +ALN |

General Description

Use this Memory Block to specify whether or not Trunk groups connected to the system allow incoming Trunk groups to be connected to outgoing Trunk groups for tandem connections.

Display

| (Incoming) Trunk Group No. (01~32) | Data No. | Title | Trunk Group |
|---|-------------|---------------|----------------|
| 01 | / 01 | : T A N D E M | 01 |
| T I M E D I S P L A Y | | | |

Settings

Page 1

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

Page 2

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Page 3

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

Page 4

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK5 + **Transfer** + **0** OPER **7** .
- 3 Press the corresponding CO/PBX line key to change the data option. Operation data includes:

| CO/PBX Line LED | Off | On |
|-----------------|-----|-----|
| Data | No | Yes |

The shaded selection is the default.



Use the following to enter data:

- *** to move the cursor left
- #** to move the cursor right
- Recall** to go to the next page
- Feature** to go to the previous page
- Conf** to go to the next Trunk Group No.

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---------------------------------|
| 3-03 | Trunk-to-Trunk Group Assignment |
| 4-09 | Telephone to Tenant Assignment |



Notes



Tandem connection of Trunk Group-to-Trunk Group must be specified separately.

5-02 8-Digit Matching Table to Trunk Group Assignment

Trunk Group Mode
5
Submode
—
Data No.
02
PC Programming
Alt **+AC**

General Description

Use this Memory Block to assign each Trunk group to the 8-Digit Matching Tables.

Display



Settings

Page 1

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 00 | Table 01 | Table 02 | Table 03 | Table 04 | Table 05 | Table 06 | Table 07 |

Page 2

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 08 | Table 09 | Table 10 | Table 11 | Table 12 | Table 13 | Table 14 | Table 15 |

All are enabled at default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK5 + **Transfer** + **0** **OPER** **2** **ARC** to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

Operation data includes:

| | | |
|------------------------|------------|-----------|
| CO/PBX Line LED | Off | On |
| Data | Disabled | Enabled |

The shaded selection is the default.



Use the following to enter data:


- *** to move the cursor left
- #** to move the cursor right
- Recall** to go to the next page
- Feature** to go to the previous page
- Conf** to go to the next Trunk Group No.

- 4 Press **Transfer** to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming.

Refer to [Chapter 3 Advanced Applications](#).

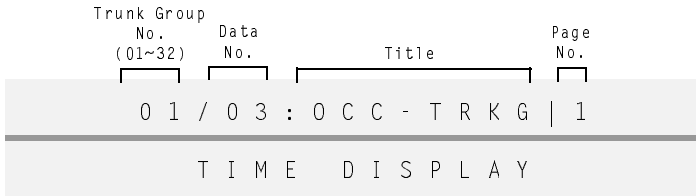
5-03 OCC Table to Trunk Group Assignment

Trunk Group Mode
5
Submode
—
Data No.
03
PC Programming
 **+AC**

General Description

Use this Memory Block to assign each of the 16 OCC Tables to each Trunk group.

Display



Settings

Page 1




| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 00 | Table 01 | Table 02 | Table 03 | Table 04 | Table 05 | Table 06 | Table 07 |

Page 2

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
| Table 08 | Table 09 | Table 10 | Table 11 | Table 12 | Table 13 | Table 14 | Table 15 |

All are enabled.

Programming Procedures

- Go off-line.
- Press LK5 +  +   to access the Memory Block.
- Press the corresponding CO/PBX line key to enter the data. Operation data includes:

Default Values






Use all tables.


| | | |
|------------------------|------------|-----------|
| CO/PBX Line LED | Off | On |
| Data | Disabled | Enabled |

The shaded selection is the default.



Use the following to enter data:

-  to move the cursor left
-  to move the cursor right
-  to go to the next page
-  to go to the previous page
-  to go to the next Trunk Group No.

- Press  to write the data and display the next Trunk Group No. for Memory Block 5-00.

Related Programming

Refer to [Chapter 3 Advanced Applications](#).

5-04 LCR Class to Trunk Group Selection

Trunk Group Mode
5
Submode

Data No.
04

PC Programming
Alt +AW

General Description

Use this Memory Block per trunk group to specify the Least Cost Routing (LCR)/ Automatic Route Selection (ARS) Class. For systems connected using K-CCIS, the Electra Elite can analyze incoming telephone numbers received from a distant system and use the LCR/ARS assignments to route the call to its desired destination.

Display

| Trunk Group (01~32) | Data No. | Title | Setting Data |
|------------------------|----------|-----------|--------------|
| 0 1 / | 0 4 : | C L A S S | 0 |
| T I M E D I S P L A Y | | | |

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|------|------|------|------|------|------|
| 0 | 1 | 2 | 3 | 4 | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK5 + **Transfer** + **0** (**OPER**) **4** (**CHI**) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press **Transfer** to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press **Speaker** to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|------------------|---|
| 3-70 | CIC Number Assignment |
| 1-1-05 | Start Time Selection |
| 1-1-46-48 | Access Code (1-, 2- or 3-Digit) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |

Related Programming (Continued)

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-15-07 | K-CCIS Message Response Timeout Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 5-05 | Common Signaling Channel Route Selection |

**Notes**

Refer to the Electra Elite IPK Key-Common Channel Interoffice Signaling (K-CCIS) Manual for details.

5-05 Common Signaling Channel Route Assignment

Trunk Group Mode
5

Submode

Data No.
05

PC Programming
Alt +AW

General Description

Use this Memory Block to specify the Common Signaling Channel for each voice trunk group used for K-CCIS.



Programming Procedures

- 1 Go off-line.
- 2 Press LK5+ **Transfer** + **0** **5** to access the Memory Block.
 - Use the following to enter data:
 - *** to move cursor left
 - #** to move cursor right
 - 0** ~ **9** to enter numeric data
- 3 Press **Transfer** to write the data.
- 4 Press **Speaker** to go back on-line.

Default Values:
 0 (Not Assigned)
 CCH: 1~4

Related Programming

| M.B. Number | Memory Block Name |
|-------------|---|
| 3-70 | CIC Number Assignment |
| 1-1-05 | Start Time Selection |
| 1-1-46~48 | Access Code (1-, 2- or 3-Digit) Assignment |
| 1-15-00 | K-CCIS Main/Remote Office Selection |
| 1-15-01 | Common Signal Channel Data Speed Assignment |
| 1-15-02 | Common Signal Channel Assignment |
| 1-15-03 | Originating Point Code Assignment |
| 1-15-04 | Destination Point Code Assignment |
| 1-15-05 | Destination Point Code Transfer Assignment |
| 1-15-06 | Originating Office Code Number Assignment |
| 1-15-07 | K-CCIS Message Response Time Assignment |
| 1-15-08 | Link Reconnect Allow/Deny Selection |

Related Programming

| M.B. Number | Memory Block Name |
|--------------------|---|
| 1-15-09 | K-CCIS Maximum Call Forwarding Hop Assignment |
| 1-15-10 | Calling Name Display Allow/Deny Selection |
| 5-4 | LCR Class to Trunk Group Selection |


**Notes**

This Memory Block is used to assign the voice channels to the Common Channel. When the voice channels trunk group is set at 0, K-CCIS does not operate correctly.

5-06 *Trunk Group Outgoing Priority Selection*

Trunk Group Mode
5
Submode

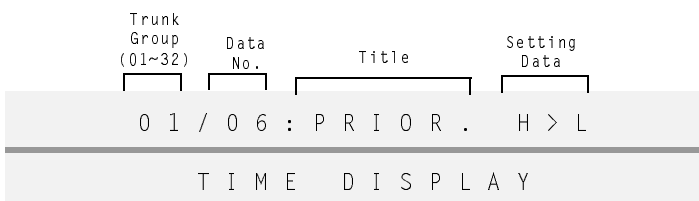
Data No.
06

PC Programming
 **+ALN**

General Description

Use this Memory Block to assign the Outgoing Priority for trunk access to each Trunk Group. This is normally used with a Tie Line or K-CCIS network to reverse the search order and reduce call collisions during trunk seizure.

Display








Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|----------------------|----------------------|------|------|------|------|------|------|
| H → L High to Low | L → H Low to High | | | | | | |

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK5 +  +   to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the Setting Data option.
- 4 Press  to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press  to go back on-line.

Related Programming

| M.B. Number | Memory Block Name |
|------------------|--|
| 1-1-46-48 | Access Code (1-, 2- or 3-Digit) Assignment Function 201~232 – Route Advance Block 01~32 Function 401~416 – Closed Number Block 01~32 Function 601~604 – ARS Table 1~4 |
| 1-1-30 | Route Advance Block Assignment |
| 1-1-49 | Networking Trunk Group/Route Advance Assignment |
| 1-14-04 | ARS Trunk Group to Route Number Assignment |



Notes



This Memory Block should not be assigned (use default) for trunk groups with trunks belonging to an IAD(8)-U() ETU used with IP (K-CCIS) or IP (K-CCIS) to NEAX (Point-to-Multipoint).

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6-2 *Tenant Mode Copy Assignment*

Copy Mode
6

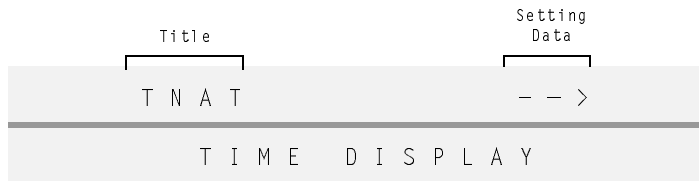
Tenant
2

Data No.
—

General Description

Use this Memory Block to enable copying data from one tenant to another tenant or multiple consecutive tenants.

Display



Programming Procedures

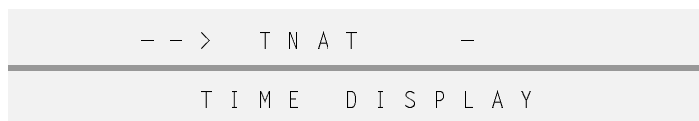
- 1 Go off-line.
- 2 Press LK6 + LK2 to access the Memory Block.
- 3 Enter the tenant to be copied.
 - ✎ Use the following to enter data:
 - 0 (OPER) ~ 9 (WX12) to enter numeric data
 - Hold to clear all data when placed at cursor position



Example: To copy data of Tenant 00 to Tenant 05~07:

1. Enter the original Tenant No. Using the dial pad, press 0 (OPER) 0 (OPER) .





2. Press Transfer .




3. Enter the beginning of the tenant (00~47) range to be copied to. Using the dial pad, press  .

```
--> TNAT 05 -  
-----  
TIME DISPLAY
```

4. Enter the end of the tenant (00~47) range to be copied to. Using the dial pad, press  .

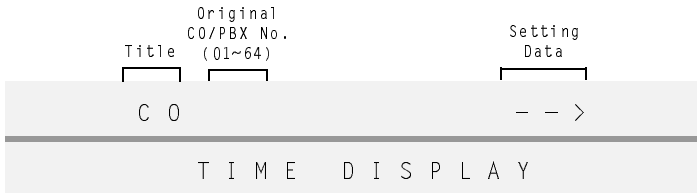
```
--> TNAT 05 - 07  
-----  
TIME DISPLAY
```

5. Press .

6-3 *CO Line Mode Copy Assignment*

Use this Memory Block to enable copying data from one CO/PBX line to another CO/PBX line or multiple consecutive CO/PBX lines.

Display



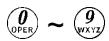
| |
|-----------|
| Copy Mode |
| 6 |
| Tenant |
| 3 |
| Data No. |
| — |

Programming Procedures

- 1 Go off-line.
- 2 Press LK6 + LK3 to access the Memory Block.
- 3 Enter the CO/PBX line to be copied.



Use the following to enter data:



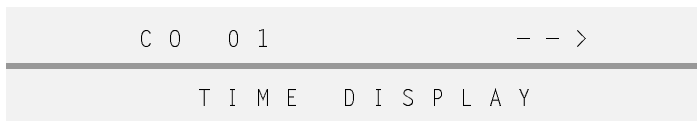
to enter numeric data



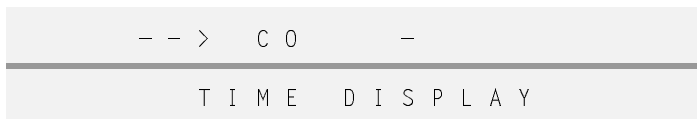
to clear all data when placed at cursor position



Example: To copy data of CO/PBX line 01 to CO/PBX line 05~07:

1. Enter the original CO/PBX No. Using the dial pad, press .





2. Press .




3. Enter the beginning of the CO/PBX (02~64) range to be copied to. Using the dial pad, press  .

```
-- > C O 0 5 -  
-----  
T I M E D I S P L A Y
```

4. Enter the end of the CO/PBX (02~64) range to be copied to. Using the dial pad, press  .

```
-- > C O 0 5 - 0 7  
-----  
T I M E D I S P L A Y
```

5. Press .

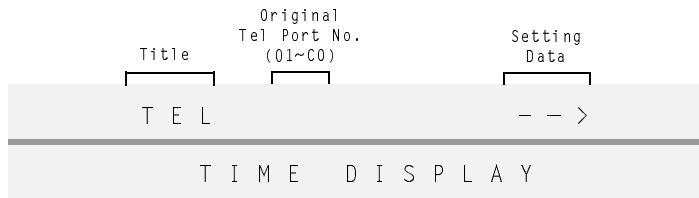
6-4 Telephone Mode Copy Assignment

| |
|-----------|
| Copy Mode |
| 6 |
| Tenant |
| 4 |
| Data No. |
| — |

General Description

Use this Memory Block to enable copying data from one telephone port to another telephone port or multiple consecutive telephone ports.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK6 + LK4 to access the Memory Block.
- 3 Enter the Tel. Port No. to be copied.



Use the following to enter data:



to enter numeric data



to clear all data when placed at cursor position



Example: To copy data of telephone port 01 to telephone ports 20~30:

1. Enter the original Tel. No. Using the dial pad, press .





2. Press .




3. Enter the beginning of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press  .

```
-- > TEL 20 -  
-----  
TIME DISPLAY
```

4. Enter the end of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press  .

```
-- > TEL 20 - 30  
-----  
TIME DISPLAY
```

5. Press .

6-5 Trunk Group Mode Copy Assignment

Copy Mode
6

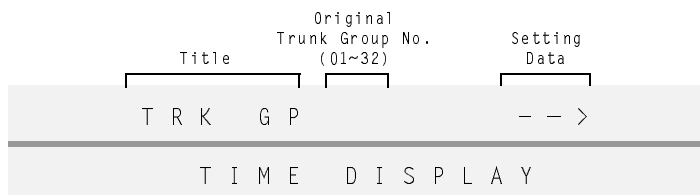
Tenant
5

Data No.
—

General Description

Use this Memory Block to enable copying data from one Trunk group to another Trunk group or multiple consecutive Trunk groups.

Display



Programming Procedures

- 1 Go off-line.
- 2 Press LK6 + LK5 to access the Memory Block.
- 3 Enter the Trunk group to be copied.



Use the following to enter data:



to enter numeric data



to clear all data when placed at cursor position

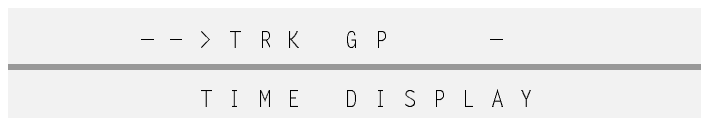
Example: To copy data of Trunk Group 01 to Trunk Groups 10~14:



1. Enter the original Trunk Group. Using the dial pad, press .





2. Press .

3. Enter the Trunk Group. Using the dial pad, press ~ .




4. Enter the Start Trunk Group No. (01~32). Using the dial pad, press  .

```
-- > TRK GP 10 -  
-----  
TIME DISPLAY
```

5. Enter the End Trunk Group (01~32). Using the dial pad, press  .

```
-- > TRK GP 10 - 1 4  
-----  
TIME DISPLAY
```

6. Press .

7-1 Card Interface Slot Assignment

General Description

Use this Memory Block to specify the installed ETU.

Display

Port Number for COI 4, TLI, DID, SLI 4, OPX, DPH, VRS, VMS 2/4 ETU

| | | | | | |
|-----------------|----------------|-----------|-------------------|---|---|
| Page No. | Upper Slot No. | | | | |
| 1 | 09 | : | N | O | N |
| Cabinet No. 1~3 | Lower Slot No. | Unit Name | Port No. 1st of 4 | | |
| 1 | 01 | : COI 4 | = 01 | | |

Port Number for COI 8, TLI, DID, ESI 8, SLI 8, BRT

| | | | |
|-----------------|----------------|-----------|-------------------|
| Page No. | Upper Slot No. | | Port No. 1st of 4 |
| 1 | 09 | : | = 05 |
| Cabinet No. 1~3 | Lower Slot No. | Unit Name | Port No. 1st of 4 |
| 1 | 01 | : ESI 8 | = 01 |

Port Number for ESIB 16 ETU

| | | | |
|-----------------|----------------|-----------|-------------------|
| Page No. | Upper Slot No. | | Port No. 1st of 8 |
| 5 | | : | = 09 |
| Cabinet No. 1~3 | Lower Slot No. | Unit Name | Port No. 1st of 8 |
| 1 | 01 | : ESIB 16 | = 01 |

Port Number for DTI or PRT

| | | | |
|-----------------|--------------------|-----------|-----------|
| Page No. | Port Nos. 1st of 4 | | |
| 6 | 010509131724 | | |
| Cabinet No. 1~3 | Lower Slot No. | Unit Name | Board No. |
| 1 | 01 | : DTI 24 | = 01 |

ETU Mode

7

Slot

1

Data No.

—

PC Programming

Alt +BS

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK1 to access the Memory Block.
- 3 Use the Line key to enter Setting Data:

| Line Key | Setting Data Page 1 | LCD Indication |
|----------|--|----------------|
| 1 | NON | |
| 2 | COI(4)-U() or COIB(4)-U() (in COI Mode) | COI 4 |
| 3 | COI(8)-U() or COIB(8)-U() (in COI Mode) | COI 8 |
| 4 | NON | |
| 5 | COID(4)-U() or COIB(4)-U() (COID Mode) | COID 4 |
| 6 | COID(8)-U() or COIB(4)-U() (COID Mode) | COID 8 |
| 7 | TLI(2)-U() | TLI |
| 8 | DID(4)-U() | DID |

| Line Key | Setting Data Page 2 | LCD Indication |
|----------|-----------------------------------|----------------|
| 1 | ESI(8)-U() | ESI 8 |
| 2 | NON | |
| 3 | SLI(8)/CNF(8)-U() | SLI 8 |
| 4 | OPX(2)-U() | OPX |
| 5 | VDH2(8)-U() (Refer to Note 7) | VDH |
| 6 | DPH(4)-U() | DPH |
| 7 | PBR()-U() | PBR |
| 8 | ECR-U() | ECR |

| Line Key | Setting Data Page 3 | LCD Indication |
|----------|--|----------------|
| 1 | VRS(4)-U() | VRS |
| 2 | NON | |
| 3 | VMS(2)/(4)/FMS(2)/(4)-U()/ CMS(2)/(4)-U() | VMS 4 |
| 4 | FMS/VMS/CTI/IVR/VP/ ACD+(8)-U() | VMS 8 |
| 5 | BRT(4)-U() | BRT |
| 6 | NON | |
| 7 | NON | |
| 8 | MIFM-U10/20 or SPE(M)-U() (R3000 or higher) | MIFM |

| Line Key | Setting Data Page 4 | LCD Indication |
|----------|---------------------|----------------|
| 1 | MIFA-U() | MIFA |
| 2 | CCH(4)-U() | CCH |
| 3 | NON | |
| 4 | NON | |
| 5 | NON | |
| 6 | NON | |
| 7 | BSU(2)-U() | BSU 2 |
| 8 | SLI(4)-U() | SLI 4 |

4 Use the Line key to enter Setting Data:

| Line Key | Setting Data Page 5 | LCD Indication |
|----------|-----------------------------------|----------------|
| 1 | ESIB(8)-U() (R3000 or higher) | ESIB8 |
| 2 | ESIE(8)-U() (R3000 or higher) | ESIB16 |
| 3 | MG(8)-U() (R2500 or higher) | MG |
| 4 | HUB(8)-U() (R1500 or higher) | HUB |
| 5 | NON | |
| 6 | NON | |
| 7 | NON | |
| 8 | NON | |

| Line Key | Setting Data Page 6 | LCD Indication |
|----------|---------------------|----------------|
| 1 | DTI-U() | DTI4 |
| 2 | DTI-U() | DTI8 |
| 3 | DTI-U() | DTI12 |
| 4 | DTI-U() | DTI16 |
| 5 | DTI-U() | DTI20 |
| 6 | DTI-U() | DTI24 |
| 7 | NON | |
| 8 | NON | |

| Line Key | Setting Data Page 7 | LCD Indication |
|----------|---------------------|----------------|
| 1 | PRT(1)-U() | PRT4 |
| 2 | PRT(1)-U() | PRT8 |
| 3 | PRT(1)-U() | PRT12 |
| 4 | PRT(1)-U() | PRT16 |
| 5 | PRT(1)-U() | PRT20 |
| 6 | PRT(1)-U() | PRT24 |
| 7 | NON | |
| 8 | NON | |

| Line Key | Setting Data Page 8 | LCD Indication |
|----------|--------------------------|----------------|
| 1 | BSU 4M (R4000 or higher) | BSU 4M |
| 2 | BSU 2S (R4000 or higher) | BSU 2S |
| 3 | | |
| 4 | BSU 6S (R4000 or higher) | BSU 6S |
| 5 | NON | |
| 6 | NON | |
| 7 | NON | |
| 8 | NON | |



Use the following to enter data:

⌘ to move the cursor left

to move the cursor right

0 ~ 9 to enter numeric data

Recall to go to the next page

Feature to go to the previous page

5 Press **Transfer** to write the data.

6 Press **Speaker** to go back on-line.


KSU Power-Based ETU Quantity Limitations

The following charts indicate the maximum number of specific ETU combinations in each KSU that are restricted by power limitations of the KSU.

For System without EliteMail VP/CTI or CTI ETU loaded with Q-Master application

| NO. of ESI(8) ETUs * | NO. of ESI Ports | Either EliteMail VP/CTI | Maximum NO. of ACD+/CMS/FMS/VMP/VMS/IPC/MG/IVR/IPT/IAD/SLI/OPX/BSU(4M)/BSU(2S)/BSU(6S) or DID ETUs | Other ETUs |
|----------------------|------------------|-------------------------|--|---------------|
| 10 | 80 | 0 | 2 | No Limitation |
| 9 | 72 | 0 | 2 | No Limitation |
| 8 | 64 | 0 | 3 | No Limitation |
| 7 | 56 | 0 | 4 | No Limitation |
| 6 | 48 | 0 | 5 | No Limitation |
| 5 | 40 | 0 | 5 | No Limitation |
| 4 | 32 | 0 | 6 | No Limitation |
| 3 | 24 | 0 | 6 | No Limitation |
| 2 | 16 | 0 | 7 | No Limitation |
| 1 | 8 | 0 | 7 | No Limitation |

* The number of 8-port ESI ETUs installed including ESI(8)-U(), ESIB(8)-U(), or ESIE(8)-U() ETU.


 When the SPE(M)-U() ETU or the MIFM-U20 ETU (with Ethernet option installed) is installed in the AP slot, the HUB(8)-U() ETU or Elite Mail CIT/VP must be installed in a different cabinet.

 Only one CTI ETU can be installed in a KSU (EliteMail, VP, or Q-Master).

For System with EliteMail VP/CTI or CTI ETU loaded with Q-Master application

| NO. of ESI(8) ETUs * | NO. of ESI Ports | Either EliteMail VP/CTI | Maximum NO. of ACD+/CMS/FMS/VMP/VMS/IPC/MG/IVR/IPT/IAD/SLI/OPX/BSU(4M)/BSU(2S)/BSU(6S) or DID ETUs | Other ETUs |
|----------------------|------------------|-------------------------|--|---------------|
| 9 | 72 | 1 | 0 | No Limitation |
| 8 | 64 | 1 | 0 | No Limitation |
| 7 | 56 | 1 | 1 | No Limitation |
| 6 | 48 | 1 | 2 | No Limitation |
| 5 | 40 | 1 | 2 | No Limitation |
| 4 | 32 | 1 | 3 | No Limitation |
| 3 | 24 | 1 | 4 | No Limitation |
| 2 | 16 | 1 | 4 | No Limitation |
| 1 | 8 | 1 | 5 | No Limitation |

* The number of 8-port ESI ETUs installed including ESI(8)-U(), ESIB(8)-U(), or ESIE(8)-U() ETU.

 When the SPE(M)-U() ETU or the MIFM-U20 ETU (with Ethernet option installed) is installed in the AP slot, the HUB(8)-U() ETU or Elite Mail CIT/VP must be installed in a different cabinet.

 Only one CTI ETU can be installed in a KSU (EliteMail, VP, or Q-Master).

Table 2-2 Card Interface Slot Assignment

| ETU | Port Type | Slot Availability | | |
|--------------------------|-------------|-------------------|--------------------------------------|---------|
| | | ISA | IF1, IF2 | IF3~IF8 |
| ACD(8)-U() | Station | – | X | X |
| BRT(4)-U() | CO/PBX | – | X | X |
| BSU(2)-U() | BSU | – | X | X |
| BSU(4M)-U20 | BSU | – | X | X |
| BSU(2S)-U(20 | BSU | – | 1st or 2nd slot left of BSU(4M) ETU. | |
| BSU(6S)-U20 | BSU | – | 1st or 2nd slot left of BSU(4M) ETU. | |
| CCH(4)-U() | CCH | – | X | X |
| CMS(2)/(4)-U() | Station | – | X | X |
| COI(4)-U()/COIB(4)-U() | CO/PBX Line | – | X | X |
| COI(8)-U()/COIB(8)-U() | CO/PBX Line | – | X | X |

Table 2-2 Card Interface Slot Assignment (Continued)

| ETU | Port Type | Slot Availability | | |
|-----------------------------------|-------------|-------------------|----------|---------|
| | | ISA | IF1, IF2 | IF3-IF8 |
| COID(4)-U()/COIB(4)-U() | CO/PBX Line | – | X | X |
| COID(8)-U()/COIB(8)-U() | CO/PBX Line | – | X | X |
| CTI(4)/(8)/(12)/(16)-U() | Station | – | X (3) | X (3) |
| DID(4)-U() | CO/PBX Line | – | X | X |
| DPH(4)-U() | Doorphone | – | X | X |
| DTI-U() | CO/PBX Line | – | X | X |
| ECR-U() | ECR | – | X | X |
| ESI(8)-U() | Station | – | X | X |
| ESIB(8)-U() | Station | – | X | X |
| ESIB(8)-U() with ESIE(8)-U() | Station) | – | X | X |
| EXPT(2)-U() | CO/PBX Line | – | X (2) | – |
| FMS(2)/(4)/(8)-U() | Station | – | X | X |
| HUB(8)-U() | HUB | – | X (3) | X (3) |
| MG(8)-U() | CO/PBX Line | – | X | X |
| MIFA-U() | MIFA | X (1) | X (1) | – |
| MIFM-U10, MIFM-U20, SPE(M)-() | MIFM | X (1) | X (1) | – |
| OPX(2)-U() | Station | – | X | X |
| PBR()-U() | PBR | – | X | X |
| PRT(1)-U() | CO/PBX Line | – | X | X |
| SLI(4)-U() | Station | – | X | X |
| SLI(8)-U()/CNF(8)-U() | Station | – | X | X |
| TLI(2)-U() | CO/PBX Line | – | X | X |
| VDH2(8)-U() | Station | – | X | X |
| VMS(2)/(4)/(8)-U() | Station | – | X | X |
| VP(4)/(8)/(12)/(16)-U() | Station | – | X (3) | X (3) |

Table 2-2 Card Interface Slot Assignment (Continued)

| ETU | Port Type | Slot Availability | | |
|-------------|-----------|-------------------|----------|---------|
| | | ISA | IF1, IF2 | IF3-IF8 |
| VRS(4)-U() | VRS | – | X | X |

- X Compatible
- Not Compatible
- 1 Cabinet 1 only
- 2 Cabinet 1, Slot 1 only of second, third, or fourth system
- 3 The VP/CTI (12)/(16)-U() ETU requires two physical slots.
- 4 The CTP(16) requires only one IF Slot.



Notes



1. ETU interface cards are assigned automatically during initial power up.
2. ESI(8)-U() ETU with ports 01 and 02 cannot be changed.
3. When ETU system capacity is exceeded, ERROR is displayed on the LCD, and the Transfer key cannot be used to write data.
4. When changing an interface slot assignment to a different ETU, use the following procedure:
 - a. Remove the ETU installed in the slot.
 - Power off ACD(8), VoIP, VMS, IPCA, or FMS ETU before removing it.
 - b. Program the slot for new ETU in this Memory Block.
 - c. Install the new ETU.
5. VMS(2)/FMS(2)-U() ETU must be assigned as a VMS(4)/FMS(4)-U() ETU.
6. Eight BSU(2)-U() ETUs can be installed in the EXP Electra Elite IPK. Only three can be installed in the Basic Electra Elite IPK.
7. Page 2, LK 5 is used for indication only. The VDH2(8)-U() ETU cannot be assigned.
8. Refer to Electra Elite IPK Features and Specifications Manual, Universal Slots, for maximum capacities.
9. When the SLIB(4)-U10 ETU is initially installed, pressing RESET may be necessary for proper functionality.
10. When the MG(8)-U() ETU is installed in a Basic Port Package, trunk ports 17~24 are dedicated for this ETU.

Related Programming

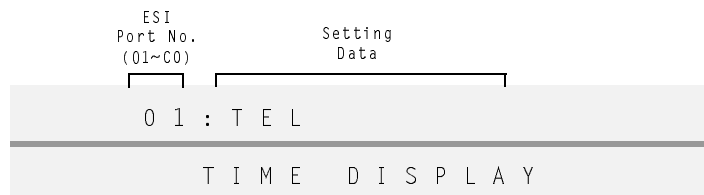
| M.B. Number | Memory Block Name |
|--------------------|-----------------------------------|
| 7-3-00 | MIF(ACD) Assignment |
| 7-3-01 | MIF(LCR) Assignment |
| 7-3-02 | MIF(SMDR) Assignment |
| 7-3-03 | MIF(UCD) Assignment |
| 7-3-04 | MIF(Caller ID) Assignment |
| 1-2-04 | Call Arrival Key Block Assignment |
| 1-2-21 | PS Telephone Block Assignment |
| 1-2-32 | IP Telephone Block Assignment |

7-2 Telephone Type Assignment

General Description

Use this Memory Block to specify the device that is connected to an ESI port.

Display



ETU Mode
7

Telephone
2

Data No.
—

PC Programming
Alt **+BS**

Settings

| LK 1 | LK 2 | LK 3 | LK 4 | LK 5 | LK 6 | LK 7 | LK 8 |
|------|------|--------|---------|------|------|------------|-----------|
| NON | TEL | CONSOL | SLT ADP | | | DIGITAL VM | MSG BOARD |

The shaded selection is the default.

Programming Procedures

- Go off-line.
- Press LK7 + LK2 to access the Memory Block.
- To change data, press the corresponding CO/PBX line key.
 - Use the following to enter data:
 - Conf to go to next assigned ESI Port No. or cycle back to 1.
- Press Transfer to write the data.
- Press Speaker to go back on-line.

Related Programming

Refer to individual features in the Electra Elite IPK Features and Specifications Manual.



Notes



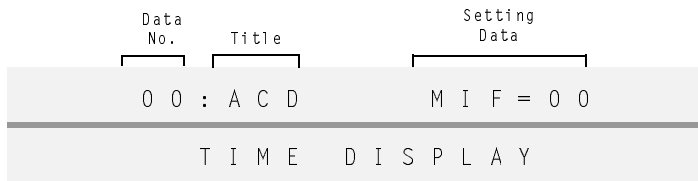
- Only Multiline Terminals can be assigned to ports 01 and 02.
- A maximum of four Attendant Add-On Consoles can be installed in the system.
- A maximum of eight SLT(1)-U() ADP adapters can be installed in the system.
- A maximum of 32 Digital Voice Mail ports are available.
- When assigning SLT adapters or Digital Voice Mail ports, Memory Block 4-10 (Station Number Assignment) must be reassigned also.
- The D^{term} Cordless II, D^{term} Cordless Lite, or D^{term} Cordless Handset Terminal uses TEL selection.
- A maximum of eight basic Message Display Boards and 40 expansion boards are available.

7-3-00 MIF (ACD) Assignment

General Description

Use this Memory Block to enable the Automatic Call Distribution (ACD) function of the MIFA-U() ETU.

Display



ETU Mode
7

MIF
3

Data No.
00

PC Programming
Alt +BS

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK3 to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 - to move the cursor left
 - to move the cursor right
 - ~ to enter numeric data
 - Setting Data: 00, 01, 02
- 4 Press **Transfer** to write the data.
- 5 Press **Speaker** to go back on-line.

Default Values

No Assignment (00)

Notes

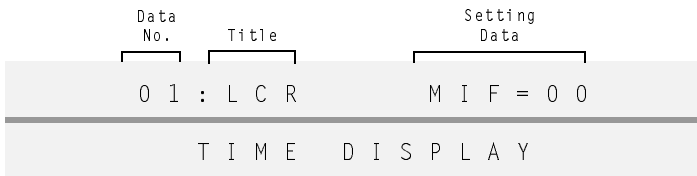
The ACD feature requires a KMA(1.0)U to be installed on the MIFA-U() ETU.

7-3-01 MIF (LCR) Assignment

General Description

Use this Memory Block to enable the Least Cost Routing (LCR) function of the MIFM-U10/20 ETU and the SPE(M)-U() ETU.

Display



ETU Mode
7

MIF
3

Data No.
01

PC Programming
Alt +BS

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK3 + * (left arrow) (right arrow) to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 - * (left arrow) to move the cursor left
 - # (right arrow) to move the cursor right
 - 0 (0/1/2/3) ~ 9 (9/10/11) to enter numeric data
 - Setting Data: 00, 01, 02
- 4 Press **Transfer** to write the data.
- 5 Press **Speaker** to go back on-line.

Default Value

No Assignment (00)

Notes

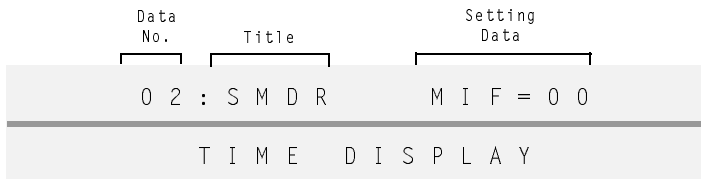
1. The LCR feature requires a KMM(1.0)U to be installed on the MIFM-U10 ETU.
2. The LCR feature requires a KMM-U20 to be installed on the MIFM-U20 ETU.

7-3-02 MIF (SMDR) Assignment

General Description

Use this Memory Block to enable the Station Message Detail Reporting (SMDR) function on the MIFM-U() ETU or the SPE(M)-U() ETU.

Display



ETU Mode
7

MIF
3

Data No.
02

PC Programming
Alt +BS

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK3 + * 2 to access the Memory Block.
- 3 Use the dial pad to enter data.
 - Use the following to enter data:
 - * to move the cursor left
 - # to move the cursor right
 - 0 ~ 9 to enter numeric data
 - Setting Data: 00, 01, 02
- 4 Press **Transfer** to write the data.
- 5 Press **Speaker** to go back on-line.

Default Values

No Assignment (00)

7-3-03 MIF (UCD) Assignment

General Description

Use this Memory Block to enable the Uniform Call Distribution (UCD) function on the MIFA-U() ETU.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 03 | UCD | MIF = 00 |
| TIME DISPLAY | | |



ETU Mode
7

MIF
3

Data No.
03

PC Programming
Alt + **BS**

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK3 + * 3_{DEF} to access the Memory Block.
- 3 Use the dial pad to enter data.
 -  Use the following are used when entering data:
 - * to move the cursor left
 - # to move the cursor right
 - 0_{OPER} ~ 9_{WX12} to enter numeric data
 -  Setting Data: 00, 01, 02
- 4 Press Transfer to write the data.
- 5 Press Speaker to go back on-line.

Default Values

No Assignment (00)

7-3-04 MIF (Caller ID) Assignment

General Description

Use this Memory Block to enable the ANI/Caller ID scrolling or outdial function on the MIFM-U10/20 ETU or the SPE(M)-U() ETU. Basic Caller ID works without an MIFM-U() ETU installed.

Display

| Data No. | Title | Setting Data |
|--------------|-------|--------------|
| 04 | CLASS | MIF = 00 |
| TIME DISPLAY | | |



ETU Mode
7

MIF
3

Data No.
04

PC Programming
Alt + BS

Programming Procedures

- 1 Go off-line.
- 2 Press LK7 + LK3 + * 4 to access the Memory Block.
- 3 Use the dial pad to enter data.
 -  Use the following to enter data:
 - * to move the cursor left
 - # to move the cursor right
 - 0 OPER ~ 9 WKYZ to enter numeric data
 -  Setting Data: 00, 01, 02
- 4 Press **Transfer** to write the data.
- 5 Press **Speaker** to go back on-line.

Default Values

No Function (00)

Notes

1. ANI/Caller ID scrolling and outdial must have the KMM(1.0)U installed on the MIFM-U10 ETU.
2. ANI/Caller ID scrolling and outdial must have the KMM-U20 installed on the MIFM-U20 ETU.

8-1 ROM Version Confirmation

General Description

Use this Memory Block to confirm the ETU firmware version without removing the card from the KSU.

Display

| | | | |
|-----------------------------|-------------------------|-----------|---------|
| S P 0 1 6 | | | |
| 1 - 0 1 : M I F M = 1 . 0 0 | | | |
| Cab. No. 1~3 | Lower Slot: 01~0C | Unit Name | Version |

Special Mode

8

ROM

1

Data No.

Programming Procedures

- 1 Go off-line.
- 2 Press LK8 + LK1 to access the Memory Block.
- 3 Enter data using the Dial Pad.
 - Use the following to enter data:
 - * to move the cursor left
 - # to move the cursor right
 - 1 ~ 8 = Cabinet No. 1~3, Lower Slot No 1~8
 - 9 = Slot Number A
 - 0 = Slot Number B
 - Recall = Slot Number C
- 4 Press **Transfer** to advance to the next lower Slot No.
- 5 Press **Speaker** to go back on-line.

8-2 System Speed Dial Memory Clear

General Description

Use this Memory Block to clear all System Speed Dial programming.



Before using this procedure, understand completely the affect of erasing all System Speed Dial buffers in the system.

Special Mode
8

Spd-Clr-Sys
2

Data No.
—

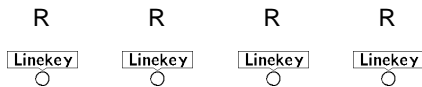
PC Programming
Alt + **BE**

Display



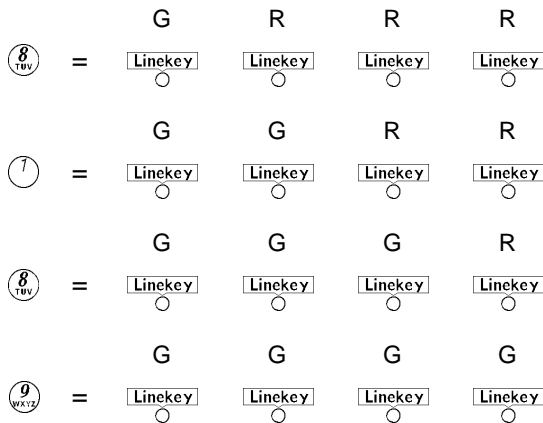
Programming Procedures

- 1 Go off-line.
- 2 Press LK8 + LK2 to access the Memory Block.
- 3 The system display indicates CLR SYS SPD?, and the first four CO/PBX lines light red.



- 4 Press to enter the fixed password.

When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green.



- 5 Press to write the data.
- 6 Press to go back on-line.

8-3 Station Speed Dial Memory Clear

General Description

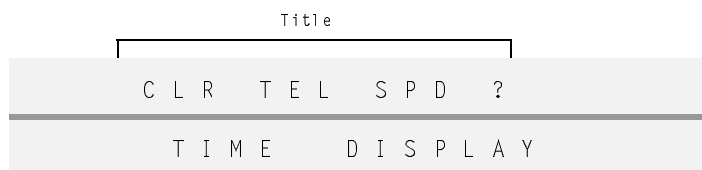
Use this Memory Block to clear the the Station Speed Dial memories of all programmed Speed Dial numbers.



Before using this procedure, understand completely the affect of erasing all System Speed Dial buffers in the system.

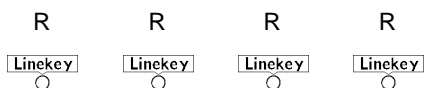
Special Mode
8
Spd-Clr-Sys
3
Data No.
—
PC Programming
Alt **+BE**

Display



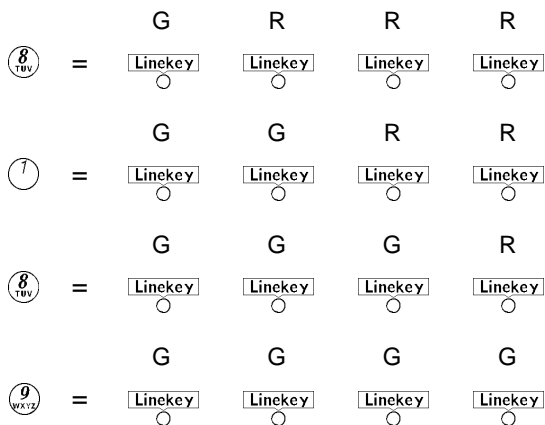
Programming Procedures

- 1 Go off-line.
- 2 Press LK8 + LK3 to access the Memory Block.
- 3 The system display indicates CLR SYS SPD?, and the first four CO/PBX lines light red.



- 4 Press **8** **2** **9** **9** to enter the fixed password.

When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green.



Programming Procedures

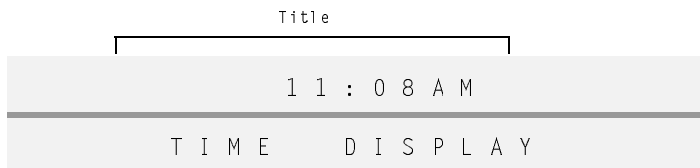
- 5 Press **Transfer** to write the data.
- 6 Press **Speaker** to go back on-line.

8-8 *Second Initialization*

General Description

Use this Memory Block to initialize all the system hardware. All system software and user programming are retained after the Second Initialization.

Display



Special Mode
8

CO Line
8

Data No.

PC Programming
Alt **+CI**

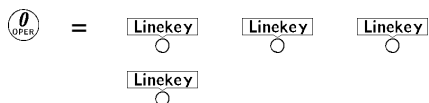
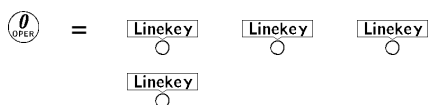
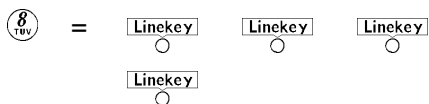
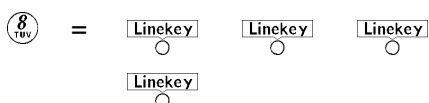
Programming Procedures

- 1 Go off-line.
- 2 Press LK8 + LK8 to access the Memory Block.
- 3 When the system display prompt indicates CPU RESET?, the first four CO/PBX lines light red.



- 4 Press **8** **8** **0** **0** to enter the fixed password.

When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green.



- 5 Press **Transfer** to begin the initialization process.
- 6 Press **Speaker** to go back on-line.

Clock/Calendar Setting

General Description

This Memory Block is used to set the time and date displayed on the Multiline Terminals. Clock/Calendar must be set on a port 01 or port 02 assigned terminal.

Display



System Mode

—

Submode

—

Data No.

—

PC Programming

Programming Procedures

- 1 Press **Feature**.
- 2 Dial **9** (WXYZ).
- 3 Dial **#**.
- 4 Dial current time (e.g. **0** (OPER) **3** (DEF) : **2** (ARC) **9** (WXYZ)).
- 5 Press **Recall** to toggle AM/PM.
- 6 Press **Hold** to advance to the calendar.
- 7 Press **Recall** to select the day of the week.
- 8 Dial **#** to move the cursor to the day of the month setting.
- 9 Enter the date using the dial pad (**0** (OPER) ~ **9** (WXYZ)).
- 10 Press **Recall** to select the month.
- 11 Dial **#** to move the cursor to the year setting.
- 12 Enter the last two digits of the year using the dial pad (**0** (OPER) ~ **9** (WXYZ)).
- 13 Press **Feature**.



Notes



1. This operation must be performed at port 01, or port 02 only.
2. The Clock/Calendar cannot be set using PC Programming.
3. To set the time only, press **Feature** after Step 5.

Advanced Applications

CHAPTER 3

SECTION 1 CODE RESTRICTION

1.1 General

The Electra Elite IPK system provides an advanced method of restricting outgoing calls based on the first eight digits dialed. Code Restriction denies placement of outside calls based on Trunk groups and accommodates equal access to an other common carrier (OCC). This eliminates unauthorized calls and configures system calling functions 66.0 to provide cost control.

System Programming has 16 Code Restrictions Classes. Class 00 is fixed and allows free dialing. Class 15 is fixed and denies all outside calls. Classes 01~14 are programmable in system software. Stations are assigned per station to a Code Restriction Class. A separate Day Mode and Night Mode station to Code Restriction Class assignment is available.

1.2 Default Assignments

All stations are assigned to Code Restriction Class 00 for both Day and Night Mode to allow free dialing.

Code Restriction Classes are set up with the following restrictions to provide the most common Code Restriction requirements and simplify Code Restriction programming.

| | | | |
|--------------|--------|-----------------------|------------------------------|
| Class 01: | Deny: | 0 and 1 + calls | |
| Class 02: | Deny: | 0 and 1 + calls | Allow: 1-800, 888, 877 calls |
| Class 03: | Deny: | 0, 1 +, and 976 calls | Allow: 1-800, 888, 877 calls |
| Class 04: | Deny: | 1 + calls | Allow: 1-800, 888, 877 calls |
| Class 05~14: | Allow: | 911 calls only | |

All OCC calls are denied for Code Restriction Classes 01~14.

System Speed Dial buffers override Code Restriction Classes 01~14.

Code Restriction is not applied to Tie lines.

When Station Lockout is set at a station, the station is outgoing restricted.

Digit Restriction is not assigned.



Refer to Section [1.5 Code Restriction Tables \(Default Values\)](#).

1.3 Memory Blocks

The following related Memory Blocks are used when assigning Code Restriction.

| Title | Memory Block |
|---|--------------|
| Trunk to Tenant Assignment..... | 2-01 |
| Trunk-to-Trunk Group Assignment..... | 3-03 |
| Trunk Type Selection..... | 3-91 |
| PBX/CTX Access Code Assignment I..... | 1-1-24 |
| PBX/CTX Access Code Assignment II..... | 1-1-25 |
| OCC Table Assignment..... | 1-1-67 |
| OCC Table to Trunk Group Assignment..... | 5-03 |
| 8-Digit Matching Table to OCC Table Assignment..... | 1-1-68 |
| 8-Digit Matching Table to Normal Dial Assignment..... | 1-1-66 |
| 8-Digit Matching Table to Trunk Group Assignment..... | 5-02 |
| 8-Digit Matching Table Assignment..... | 1-1-60 |
| 8-Digit Matching Table to Class Assignment..... | 1-1-61 |
| Code Restriction Class Allow/Deny Assignment..... | 1-1-65 |
| System Speed Dial Restriction by Tenant..... | 1-1-18 |
| System Speed Dial Override by Class Selection..... | 1-1-62 |
| Tie Line Code Restriction Assignment..... | 1-1-69 |
| Code Restriction Class Assignment When Lockout is Set.. | 1-1-70 |
| CO Feature Codes Service for Code Restriction..... | 1-1-82 |
| Trunk Digit Restriction..... | 4-32 |
| Code Restriction Class Assignment (Day Mode)..... | 4-07 |

| | |
|---|------|
| Code Restriction Class Assignment (Night Mode)..... | 4-08 |
| Telephone to Tenant Assignment..... | 4-09 |
| Station To Class of Service Feature Assignment..... | 4-17 |

1.4 Memory Block Description

1.4.1 General

This section describes the function of the Memory Blocks directly related to Code Restriction. Some Memory Blocks from the previous list are not described here but are included because of their effect on Code Restriction (e.g., Trunk to Tenant Assignment). Code Restriction is based on Trunk group and consideration should be given to this Memory Block because stations are assigned to a tenant, and trunks are assigned to a Trunk group.

1.4.2 OCC Assignment/Operation

OCC Table Assignment (Memory Block 1-1-67)

This Memory Block allows an OCC Access Code (maximum of eight digits) to be assigned. System Programming has 16 OCC Tables (01~16). Each table can have one OCC Access Code assigned.

OCC Table to Trunk Group Assignment (Memory Block 5-03)

This Memory Block assigns Trunk groups to the OCC Tables. Any combination of Trunk groups can be assigned to the OCC Tables.

8-Digit Matching Table to OCC Table Assignment (Memory Block 1-1-68)

This Memory Block assigns the 8-Digit Matching Table to the OCC Tables. Any combination of 8-Digit Matching Tables can be assigned to the OCC Tables.

OCC Operation

When a restricted station user dials an OCC Access Code, the system searches the OCC Tables for a match. When no match is found, the user is allowed free dialing. When a match is found, the system monitors the eight digits dialed and searches the 8-Digit Matching Tables assigned to the OCC Table. The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on. When the interdigit time of the dialing party exceeds 10 seconds while the station user is dialing on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

1.4.3 8-Digit Matching Table Assignment/Operation

8-Digit Matching Table to Normal Dial Assignment (Memory Block 1-1-66)

This Memory Block assigns the 8-Digit Matching Table to be Used or Unused for non-OCC calls. When an 8-Digit Matching Table is assigned as Unused, the table is used only for OCC calls. There are 16, 8-Digit Matching Tables (00~15) in System Programming. Each table is independently assigned to be Used or Unused.

8-Digit Matching Table to Trunk Group Assignment (Memory Block 5-02)

This Memory Block assigns Trunk groups to the 8-Digit Matching Tables. Any combination of Trunk groups can be assigned to the 8-Digit Matching Tables.

8-Digit Matching Table Assignment (Memory Block 1-1-60)


This Memory Block assigns the 8-Digit Matching Tables. Each 8-Digit Matching Table can have 16, 8-digit entries. To cover the many possible combinations (without listing each individual number), code restriction letters can be used in place of digits. The code restriction letters used and their numerical values are as follows:

X = 0~9, *, and #

P = 0 and 1

N = 2~9

When 1X is entered in a table, and the table is assigned as a deny table in the 8-Digit Matching Table to Class Assignment, any 1 + any digit call is denied When the table is used. Using X, P, and N accommodates several combinations with just one entry.

 The Trunk Access Code should not be placed in the 8-Digit Matching Table. Code Restriction starts after a trunk is seized.

8-Digit Matching Table to Class Assignment (Memory Block 1-1-61)

This Memory Block assigns the 8-Digit Matching Tables to the Code Restriction Classes. The 8-Digit Matching Tables are also assigned as Allow/Deny Tables in this Memory Block.

Any combination of 8-Digit Matching Tables (Allow, Deny, or Not Used) can be assigned to Code Restriction Classes 01~14. Classes 00 and 15 are fixed and are nonprogrammable.

Code Restriction Class Allow/Deny Selection (Memory Block 1-1-65)

This Memory Block assigns the Code Restriction Classes (01~14) as Allow or Deny. This assignment is used when there is no match or when there is an overlap (duplicate numbers in tables with opposite Allow/Deny assignments) of numbers in the 8-Digit Matching Tables.

8-Digit Matching Table Operations

The 8-Digit Matching Tables are used to restrict specific or all OCC calls and non-OCC calls. To understand the relationship of the 8-Digit Matching Tables with OCC calls, refer to Section 6.4.2 - OCC Assignment/Operation.

When a restricted station user makes a non-OCC call, the system monitors the first eight digits dialed and searches the 8-Digit Matching Tables assigned for Used in Memory Block 1-1-66 (8-Digit Matching Table to Normal Dial Assignment). The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on.

When a match is found, the system looks at the 8-Digit Matching Table to Class Assignment for the Allow or Deny Assignment. When the table is assigned as Allow, the call is allowed. When the table is assigned as Deny, the call is denied.

When a match is not found or a duplicate match is made with opposite Allow/Deny Assignments, the system looks at the class Allow/Deny Assignment. When the class is assigned as Allow, the call is allowed. When the Class is assigned as Deny, the call is denied. When the interdigit time of the dialing party exceeds 10 seconds while the station user is dialing on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

1.4.4 System Speed Dial Override by Class Selection (Memory Block 1-1-62)

This Memory Block allows System Speed Dial buffers to override or not override Code Restriction. Each Code Restriction Class (01~14) is assigned as Allow or Deny.

1.4.5 Tie Line Code Restriction Assignment (Memory Block 1-1-69)

This Memory Block assigns system-wide Code Restriction to be used or not used for calls made on a Tie line.

1.4.6 Code Restriction Class Assignment when Lockout is Set (Memory Block 1-1-70)

This Memory Block assigns the Code Restriction Class to be used when Station Lockout (Outgoing) is set at a station. Station Lockout can be set by the Attendant or from any station when allowed in System Programming.

1.4.7 CO Feature Code Service For Code Restriction (Memory Block 1-1-82)

This Memory Block assigns feature codes per system. A station user can dial these codes as the leading digits of a telephone number. The Electra Elite ignores these digits and applies code restriction to the remaining digits. The codes are sent to the CO as the leading digits on permitted code restriction calls.

1.4.8 Trunk Digit Restriction Assignment (Memory Block 4-32)

This Memory Block specifies, per station, the maximum number of digits that can be dialed from any outside line.

1.4.9 Code Restriction Class Assignment (Day Mode) (Memory Block 4-07)

This Memory Block specifies, per station, the Code Restriction Class used when the system or a station that is assigned to a tenant is in the Day Mode.

1.4.10 Code Restriction Class Assignment (Night Mode) (Memory Block 4-08)

This Memory Block specifies, per station, the Code Restriction Class used when the system or a station that is assigned to a tenant is in the Night Mode.

1.5 Code Restriction Tables (Default Values)

1.5.1 OCC Tables with Default Values

The following Memory Blocks are displayed:

OCC Table Assignment (1-1-67)

OCC Table to Trunk Group Assignment (5-03)

8-Digit Matching Table to OCC Table Assignment (1-1-68)

1.5.2 8-Digit Matching Tables with Default Values

The following Memory Blocks are displayed:

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

The following designations are used in these tables:

| | Table 00 | | | | | | | | Table 01 | | | | | | | | Table 02 | | | | | | | | Table 03 | | | | | | | |
|-----------------------|-------------------|---|---|---|--|--|--|--|-------------------|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|
| Memory Block (1-1-66) | Use Table | | | | | | | | Use Table | | | | | | | | Use Table | | | | | | | | Use Table | | | | | | | |
| Memory Block (5-02) | Trunk Group 01~32 | | | | | | | | Trunk Group 01~32 | | | | | | | | Trunk Group 01~32 | | | | | | | | Trunk Group 01~32 | | | | | | | |
| Memory Block (1-1-60) | 00 | 9 | 1 | 1 | | | | | 00 | | | | | | | | 00 | | | | | | | | 00 | | | | | | | |
| | 01 | | | | | | | | 01 | | | | | | | | 01 | | | | | | | | 01 | | | | | | | |
| | 02 | | | | | | | | 02 | | | | | | | | 02 | | | | | | | | 02 | | | | | | | |
| | 03 | | | | | | | | 03 | | | | | | | | 03 | | | | | | | | 03 | | | | | | | |
| | 04 | | | | | | | | 04 | | | | | | | | 04 | | | | | | | | 04 | | | | | | | |
| | 05 | | | | | | | | 05 | | | | | | | | 05 | | | | | | | | 05 | | | | | | | |
| | 06 | | | | | | | | 06 | | | | | | | | 06 | | | | | | | | 06 | | | | | | | |
| | 07 | | | | | | | | 07 | | | | | | | | 07 | | | | | | | | 07 | | | | | | | |
| | 08 | | | | | | | | 08 | | | | | | | | 08 | | | | | | | | 08 | | | | | | | |
| | 09 | | | | | | | | 09 | | | | | | | | 09 | | | | | | | | 09 | | | | | | | |
| | 10 | | | | | | | | 10 | | | | | | | | 10 | | | | | | | | 10 | | | | | | | |
| | 11 | | | | | | | | 11 | | | | | | | | 11 | | | | | | | | 11 | | | | | | | |
| | 12 | | | | | | | | 12 | | | | | | | | 12 | | | | | | | | 12 | | | | | | | |
| | 13 | | | | | | | | 13 | | | | | | | | 13 | | | | | | | | 13 | | | | | | | |
| | 14 | | | | | | | | 14 | | | | | | | | 14 | | | | | | | | 14 | | | | | | | |
| | 15 | | | | | | | | 15 | | | | | | | | 15 | | | | | | | | 15 | | | | | | | |

Note: X = 0~9, *, #
 P = 0,1
 N = 2~9

Continued on next page.

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

| | Table 04 | | | | | | | | | | Table 05 | | | | | | | | | | Table 06 | | | | | | | | | | Table 07 | | | | | | | | | |
|-----------------------|-------------------|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|
| Memory Block (1-1-66) | Use Table | | | | | | | | | | Use Table | | | | | | | | | | Use Table | | | | | | | | | | Use Table | | | | | | | | | |
| Memory Block (5-02) | Trunk Group 01~32 | | | | | | | | | | Trunk Group 01~32 | | | | | | | | | | Trunk Group 01~32 | | | | | | | | | | Trunk Group 01~32 | | | | | | | | | |
| Memory Block (1-1-60) | 00 | | | | | | | | | | 00 | | | | | | | | | | 00 | | | | | | | | | | 00 | | | | | | | | | |
| | 01 | | | | | | | | | | 01 | | | | | | | | | | 01 | | | | | | | | | | 01 | | | | | | | | | |
| | 02 | | | | | | | | | | 02 | | | | | | | | | | 02 | | | | | | | | | | 02 | | | | | | | | | |
| | 03 | | | | | | | | | | 03 | | | | | | | | | | 03 | | | | | | | | | | 03 | | | | | | | | | |
| | 04 | | | | | | | | | | 04 | | | | | | | | | | 04 | | | | | | | | | | 04 | | | | | | | | | |
| | 05 | | | | | | | | | | 05 | | | | | | | | | | 05 | | | | | | | | | | 05 | | | | | | | | | |
| | 06 | | | | | | | | | | 06 | | | | | | | | | | 06 | | | | | | | | | | 06 | | | | | | | | | |
| | 07 | | | | | | | | | | 07 | | | | | | | | | | 07 | | | | | | | | | | 07 | | | | | | | | | |
| | 08 | | | | | | | | | | 08 | | | | | | | | | | 08 | | | | | | | | | | 08 | | | | | | | | | |
| | 09 | | | | | | | | | | 09 | | | | | | | | | | 09 | | | | | | | | | | 09 | | | | | | | | | |
| | 10 | | | | | | | | | | 10 | | | | | | | | | | 10 | | | | | | | | | | 10 | | | | | | | | | |
| | 11 | | | | | | | | | | 11 | | | | | | | | | | 11 | | | | | | | | | | 11 | | | | | | | | | |
| | 12 | | | | | | | | | | 12 | | | | | | | | | | 12 | | | | | | | | | | 12 | | | | | | | | | |
| | 13 | | | | | | | | | | 13 | | | | | | | | | | 13 | | | | | | | | | | 13 | | | | | | | | | |
| | 14 | | | | | | | | | | 14 | | | | | | | | | | 14 | | | | | | | | | | 14 | | | | | | | | | |
| | 15 | | | | | | | | | | 15 | | | | | | | | | | 15 | | | | | | | | | | 15 | | | | | | | | | |

Note: X = 0~9, *, #
 P = 0,1
 N = 2~9

Continued on next page.

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

| | Table 08 | Table 09 | Table 10 | Table 11 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|
| Memory Block (1-1-66) | Use Table | Use Table | Use Table | Use Table |
| Memory Block (5-02) | Trunk Group 01~32 | Trunk Group 01~32 | Trunk Group 01~32 | Trunk Group 01~32 |
| Memory Block (1-1-60) | 00 | 00 | 00 | 00 0 |
| | 01 | 01 | 01 | 01 |
| | 02 | 02 | 02 | 02 |
| | 03 | 03 | 03 | 03 |
| | 04 | 04 | 04 | 04 |
| | 05 | 05 | 05 | 05 |
| | 06 | 06 | 06 | 06 |
| | 07 | 07 | 07 | 07 |
| | 08 | 08 | 08 | 08 |
| | 09 | 09 | 09 | 09 |
| | 10 | 10 | 10 | 10 |
| | 11 | 11 | 11 | 11 |
| | 12 | 12 | 12 | 12 |
| | 13 | 13 | 13 | 13 |
| | 14 | 14 | 14 | 14 |
| | 15 | 15 | 15 | 15 |

Note: X = 0~9, *, #
 P = 0,1
 N = 2~9

Continued on next page.

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

| | Table 12 | Table 13 | Table 14 | Table 15 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|
| Memory Block (1-1-66) | Use Table | Use Table | Use Table | Unused Table |
| Memory Block (5-02) | Trunk Group 01~32 | Trunk Group 01~32 | Trunk Group 01~32 | Trunk Group 01~32 |
| Memory Block (1-1-60) | 00 9 7 6 | 00 1 8 0 0 | 00 1 X | 00 X |
| | 01 | 01 1 8 8 8 | 01 | 01 |
| | 02 | 02 1 8 7 7 | 02 | 02 |
| | 03 | 03 | 03 | 03 |
| | 04 | 04 | 04 | 04 |
| | 05 | 05 | 05 | 05 |
| | 06 | 06 | 06 | 06 |
| | 07 | 07 | 07 | 07 |
| | 08 | 08 | 08 | 08 |
| | 09 | 09 | 09 | 09 |
| | 10 | 10 | 10 | 10 |
| | 11 | 11 | 11 | 11 |
| | 12 | 12 | 12 | 12 |
| | 13 | 13 | 13 | 13 |
| | 14 | 14 | 14 | 14 |
| | 15 | 15 | 15 | 15 |

Note: X = 0~9, *, #
 P = 0,1
 N = 2~9

8-Digit Matching Tables with Default Values

The following designations are used in this table:

8-Digit Matching Table to Class Assignment (1-1-61)

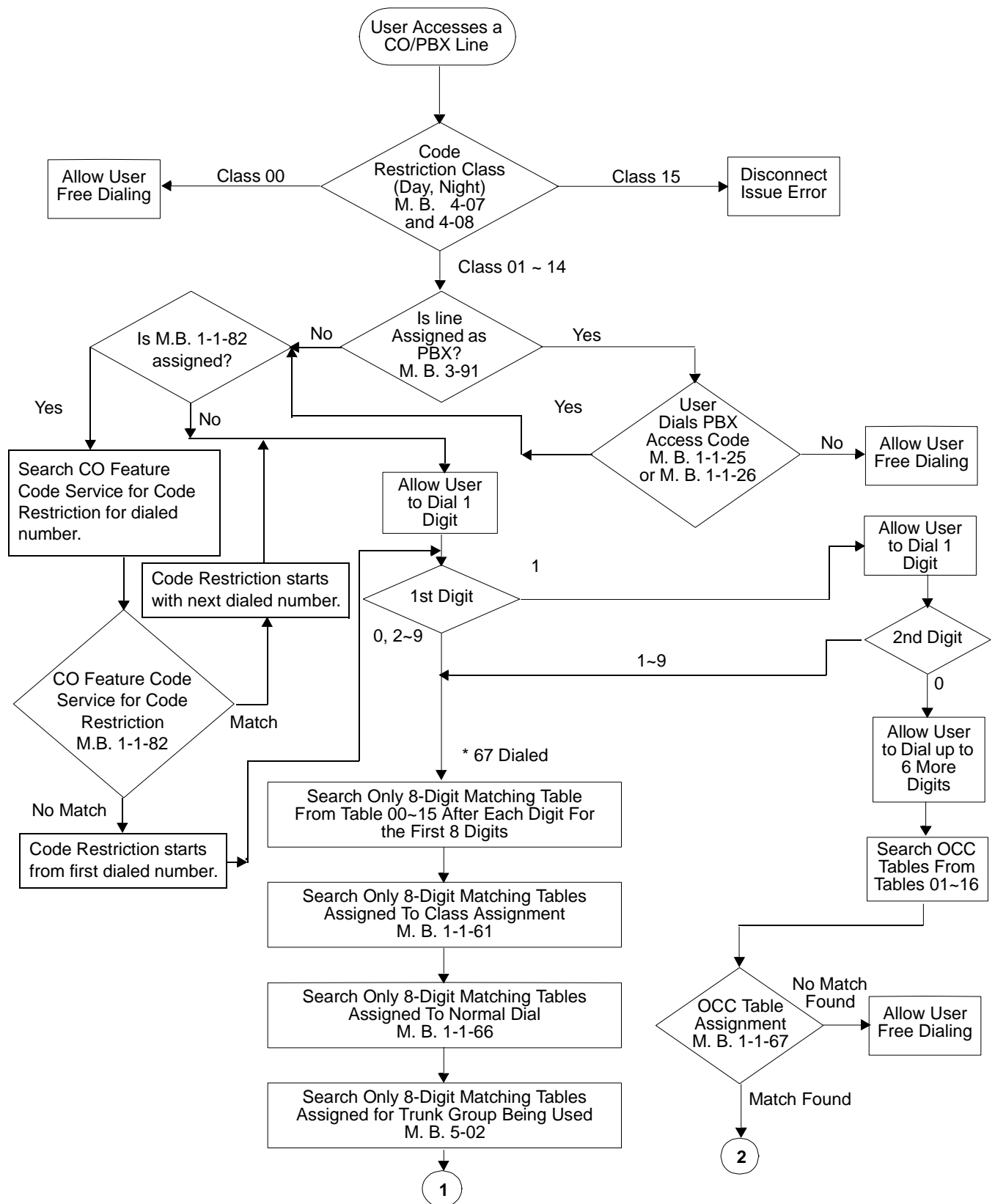
Class Allow/Deny Selection (1-1-65)

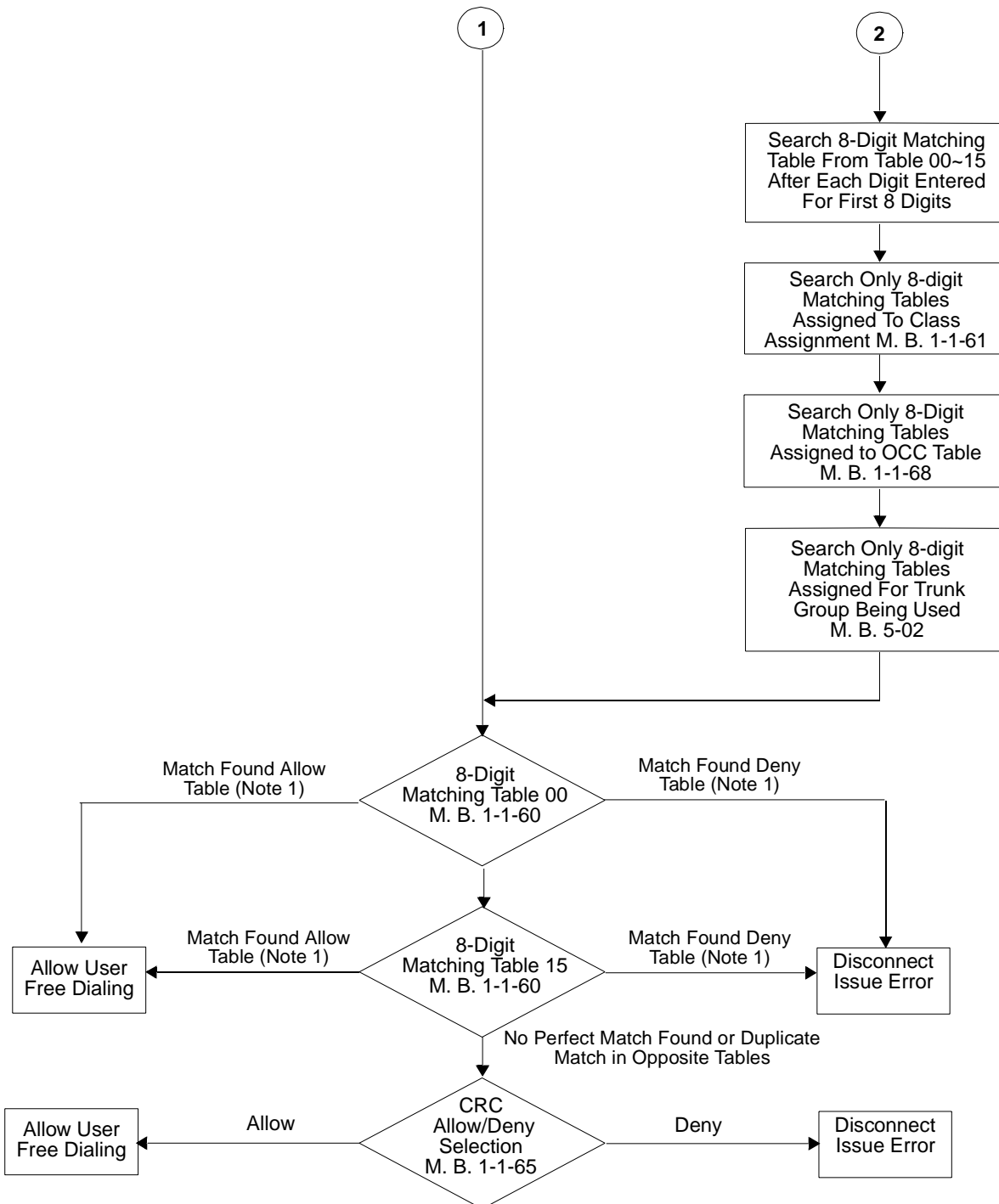
| | | 8-Digit Matching Table | | | | | | | | | | | | | | | Class Allow/Deny Assignment |
|--|----------|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------------------|
| | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | |
| 8-Digit Matching Table to Class Assignment | Class 01 | A | | | | | | | | | | D | | | D | D | Allow |
| | Class 02 | A | | | | | | | | | | D | | A | D | D | Allow |
| | Class 03 | A | | | | | | | | | | D | D | A | D | D | Allow |
| | Class 04 | A | | | | | | | | | | | | A | D | D | Allow |
| | Class 05 | A | | | | | | | | | | | | | | | Deny |
| | Class 06 | A | | | | | | | | | | | | | | | Deny |
| | Class 07 | A | | | | | | | | | | | | | | | Deny |
| | Class 08 | A | | | | | | | | | | | | | | | Deny |
| | Class 09 | A | | | | | | | | | | | | | | | Deny |
| | Class 10 | A | | | | | | | | | | | | | | | Deny |
| | Class 11 | A | | | | | | | | | | | | | | | Deny |
| | Class 12 | A | | | | | | | | | | | | | | | Deny |
| | Class 13 | A | | | | | | | | | | | | | | | Deny |
| | Class 14 | A | | | | | | | | | | | | | | | Deny |

Note: A = Allow
 D = Deny
 Blank = Not used

1.6 Code Restriction Algorithm

The following chart identifies how the system checks for and processes Code Restriction assignments.





Note 1: Tables are assigned as Allow or Deny in the 8-Digit Matching Table to Class Assignment (Memory Block 1-1-61).

Note 2: When the interdigit time duration of the dialing party exceeds 10 seconds while the Code Restriction Tables are being searched, the system automatically drops the call.

SECTION 2 **AUTOMATIC ROUTE SELECTION**

2.1 **General**

Route Selection is automatically directed by user-specified conditions.

Four Least Cost Routing (LCR) tables are provided for user-specified data that can be used to select a single route.

User can delete digits from or add digits to a user specified dialing number to use ARS to originate the call with LCR.

2.2 **Memory Blocks**

The following related Memory Blocks are used when assigning ARS.

| Title | Memory Block |
|---|---------------------|
| Access Code (1-Digit) Assignment..... | 1-1-46 |
| Class of Service (Station) Feature Selection 2..... | 1-8-08 |
| ARS Allow/Deny Selection..... | 1-14-00 |
| ARS Dialing Assignment..... | 1-14-01 |
| ARS Dial Allow/Deny Selection..... | 1-14-02 |
| ARS Route Table Number Assignment..... | 1-14-03 |
| ARS Trunk Group to Route Number Assignment..... | 1-14-04 |
| ARS Digit Delete Assignment..... | 1-14-05 |
| ARS Digit Add Assignment..... | 1-14-06 |
| ARS Max Digit Assignment | 1-14-07 |
| Trunk-to-Trunk Group Assignment..... | 3-03 |
| Trunk Type Selection..... | 3-91 |
| LCR Class Selection..... | 4-40 |

2.3 Memory Block Description

- 2.3.1 Access Code (1-Digit) Assignment (Memory Block 1-1-46)
Use this Memory Block to assign Trunk Group Access code for LCR.
Default: Dial 9 Function number 101
- 2.3.2 Class of Service (Station) Feature Selection 2 (Memory Block 1-8-08)
Use this Memory Block to allow/deny LCR Bypass (Page 3, LK4) for Trunk Groups 02~32).
Default: Deny
Use this Memory Block to allow/deny ARS Overflow (Page 6, LK1) to trunk group 01 when programmed route is busy.
Default: Deny
- 2.3.3 ARS Allow/Deny Selection (Memory Block 1-14-00)
Use this Memory Block to specify whether or not to Allow ARS to function system wide.
Default: NO
- 2.3.4 ARS Dialing Assignment (Memory Block 1-14-01)
Use this Memory Block to assign a dialing plan to one of four LCR tables. A maximum of 128 (up to 8 digits) dialing combinations are possible for each table.
Default: Not Assigned
- 2.3.5 ARS Dial Allow/Deny Selection (Memory Block 1-14-02)
Use this Memory Block to specify whether or not to Allow digits that are entered in the ARS dialing assignment to be routed using the ARS feature.
Default: YES
- 2.3.6 ARS Route Table Number Assignment (Memory Block 1-14-03)
Use this Memory Block to assign each ARS Dialing Assignment to an ARS Route Assignment (01~32).
Default: 00 (Not used)
- 2.3.7 ARS Trunk Group to Route Number Assignment (Memory Block 1-14-04)
Use this Memory Block to specify whether a Trunk Group (TKGP) or Route Advance Group (RAB) is used by each ARS route number.

Trunk Group 1 origination (NORMAL) is used in the USA. When the call is not originated by pressing the line key or by dialing an access code of Trunk Group 1, and the LCR Class assignment is 0, the call is originated as is.

Default: NORMAL

2.3.8 ARS Digit Delete Assignment (Memory Block 1-14-05)

Use this Memory Block to specify number of digits (00~10) from the first digit that are deleted from the route assignment.

Default: 00 (None)

2.3.9 ARS Digit Add Assignment (Memory Block 1-14-06)

Use this Memory Block to specify a maximum of 10 digits to add to the route assignment.

Default: Not Assigned

2.3.10 ARS Max Digit Assignment (Memory Block 1-14-07)

Use this Memory Block to specify the number of digits to be collected by the system before the message is sent to the network.

Default: Not Specified

2.3.11 Trunk-to-Trunk Group Assignment (Memory Block 3-03)

Use this Memory Block to assign a Trunk Group number to each CO/PBX line.

Default: CO/PBX lines 01~08 in Trunk group 1

2.3.12 Trunk Type Selection (Memory Block 3-91)

Use this Memory Block to specify an external line as CO, PBX, TIE, DID or CTX.

Default: CO

2.3.13 LCR Class Selection (Memory Block 4-40)

Use this Memory Block to specify the LCR/ARS class for each station. The class number is the number of the Area Code Table used. Stations cannot have multiple classes. Four area code tables are provided. The MIFM-U() ETU with attached KMM(1.0)U must be installed to support this feature.

Default: Class 0 (No LCR)

2.4 ARS Operation Example

TEL100 dials 1-9727517645, seizes trunk 8, and sends 1010288 9727517645.

1. Program the following values, if necessary:
 - 1-1-46 9 (Trunk Group 1)
 - 1-8-08 Page 3, LK4 (Deny)
 - 1-14-00 YS
 - 1-14-01 1:1972751
 - 1-14-02 YS
 - 1-14-03 Table 1, Route 01
 - 1-14-04 TKGP 04
 - 1-14-05 01 Digit
 - 1-14-06 1010288
 - 3-03 CO lines 01, 02 to TKGP 1
CO lines 03, 04 to TKGP 2
CO lines 05, 06 to TKGP 3
CO lines 07, 08 to TKGP 4
 - 3-91 Assign trunks 01~08 for CO
 - 4-40 TEL 100 assigned to class 1

2. Press **Speaker**.
 - Dial tone is heard.
 - Speaker key is on red, and the top display shows:
100 →().

3. Dial **9** WXYZ.
 - LCR Dial tone is heard.
 - The top display shows: LCR
 - Dial **1** WXYZ **7** PQRS **2** ABC **7** PQRS **5** JKL .

4. No dial tone.
 - The LCD top display shows: 197275

5. Dial 1 .
CO8 Line key is green
The LCD top display shows: 1972751
6. Dial 7 6 4 5 .
Ringback Tone is heard.
The LCD top display shows: 19727517645
7. When you go Off-hook to converse, Speaker goes off, and display changes to call time and Clock/Calendar.
8. The system actually dialed 1010288 9727517645 on CO8 of Trunk Group 4 after the route was selected.

2.5 Service Conditions

Built-in ARS provides a system with four tables to allow route selection, and a single route table to select a Trunk Group or Route Advance Block and provide digit control.

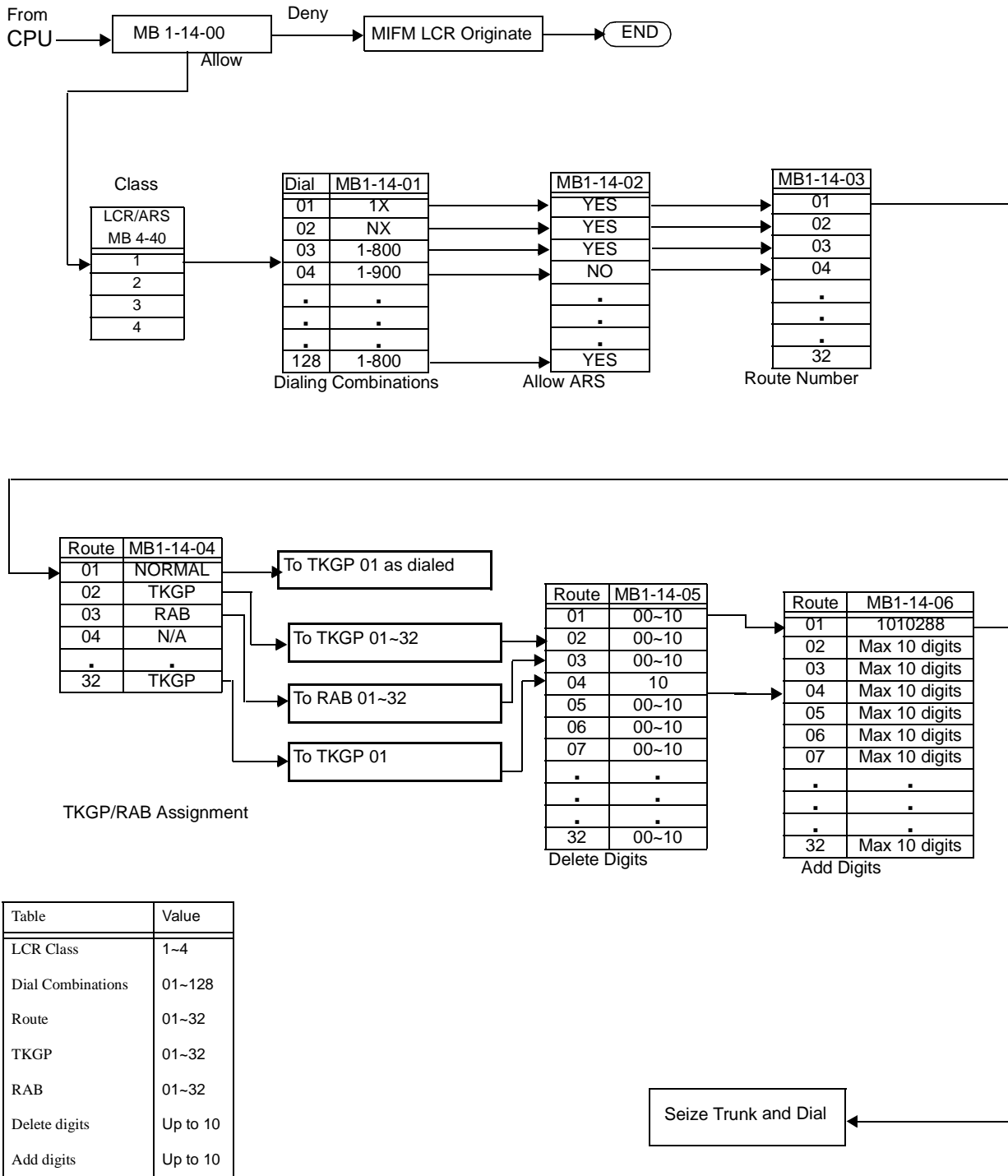


Figure 3-1 Automatic Route Selection (ARS) System Data Flow

Table 3-1 Automatic Route Selection to Route Number Assignment

| Table 1~4 | Dialing Combination | Digits (Max. 8) Memory Block 1-14-01 | Allow/Deny M.B. 1-14-02 | Route Number M.B. 1-14-03 (01~32) |
|--------------|------------------------|--|----------------------------|--|
| | 01 | | | |
| | 02 | | | |
| | 03 | | | |
| | 04 | | | |
| | 05 | | | |
| | 06 | | | |
| | 07 | | | |
| | 08 | | | |
| | 09 | | | |
| | 10 | | | |
| | 11 | | | |
| | 12 | | | |
| | 13 | | | |
| | 14 | | | |
| | 15 | | | |
| | 16 | | | |
| | 17 | | | |
| | 18 | | | |
| | 19 | | | |
| | 20 | | | |
| | 21 | | | |
| | 22 | | | |
| | 23 | | | |
| | 24 | | | |
| | 25 | | | |
| | 26 | | | |
| | 27 | | | |
| | 28 | | | |
| | 29 | | | |

Table 3-1 Automatic Route Selection to Route Number Assignment (Continued)

| Table 1~4 | Dialing Combination | Digits (Max. 8) Memory Block 1-14-01 | Allow/Deny M.B. 1-14-02 | Route Number M.B. 1-14-03 (01~32) |
|----------------------|--------------------------------|---|------------------------------------|--|
| | 30 | | | |
| | 31 | | | |
| | 32 | | | |
| | 33 | | | |
| | 34 | | | |
| | 35 | | | |
| | 36 | | | |
| | 37 | | | |
| | 38 | | | |
| | 39 | | | |
| | 40 | | | |
| | 41 | | | |
| | 42 | | | |
| | 43 | | | |
| | 44 | | | |
| | 45 | | | |
| | 46 | | | |
| | 47 | | | |
| | 48 | | | |
| | 49 | | | |
| | 50 | | | |
| | 51 | | | |
| | 52 | | | |
| | 53 | | | |
| | 54 | | | |
| | 55 | | | |
| | 56 | | | |
| | 57 | | | |
| | 58 | | | |

Table 3-1 Automatic Route Selection to Route Number Assignment (Continued)

| Table 1~4 | Dialing Combination | Digits (Max. 8) Memory Block 1-14-01 | Allow/Deny M.B. 1-14-02 | Route Number M.B. 1-14-03 (01~32) |
|----------------------|--------------------------------|---|------------------------------------|--|
| | 59 | | | |
| | 60 | | | |
| | 61 | | | |
| | 62 | | | |
| | 63 | | | |
| | 64 | | | |
| | 65 | | | |
| | 66 | | | |
| | 67 | | | |
| | 68 | | | |
| | 69 | | | |
| | 70 | | | |
| | 71 | | | |
| | 72 | | | |
| | 73 | | | |
| | 74 | | | |
| | 75 | | | |
| | 76 | | | |
| | 77 | | | |
| | 78 | | | |
| | 79 | | | |
| | 80 | | | |
| | 81 | | | |
| | 82 | | | |
| | 83 | | | |
| | 84 | | | |
| | 85 | | | |
| | 86 | | | |
| | 87 | | | |

Table 3-1 Automatic Route Selection to Route Number Assignment (Continued)

| Table 1~4 | Dialing Combination | Digits (Max. 8) Memory Block 1-14-01 | Allow/Deny M.B. 1-14-02 | Route Number M.B. 1-14-03 (01~32) |
|----------------------|--------------------------------|---|------------------------------------|--|
| | 88 | | | |
| | 89 | | | |
| | 90 | | | |
| | 91 | | | |
| | 92 | | | |
| | 93 | | | |
| | 94 | | | |
| | 95 | | | |
| | 96 | | | |
| | 97 | | | |
| | 98 | | | |
| | 99 | | | |
| | 100 | | | |
| | 101 | | | |
| | 102 | | | |
| | 103 | | | |
| | 104 | | | |
| | 105 | | | |
| | 106 | | | |
| | 107 | | | |
| | 108 | | | |
| | 109 | | | |
| | 110 | | | |
| | 111 | | | |
| | 112 | | | |
| | 113 | | | |
| | 114 | | | |
| | 115 | | | |
| | 116 | | | |

Table 3-1 Automatic Route Selection to Route Number Assignment (Continued)

| Table 1~4 | Dialing Combination | Digits (Max. 8) Memory Block 1-14-01 | Allow/Deny M.B. 1-14-02 | Route Number M.B. 1-14-03 (01~32) |
|----------------------|--------------------------------|---|------------------------------------|--|
| | 117 | | | |
| | 118 | | | |
| | 119 | | | |
| | 120 | | | |
| | 121 | | | |
| | 122 | | | |
| | 123 | | | |
| | 124 | | | |
| | 125 | | | |
| | 126 | | | |
| | 127 | | | |
| | 128 | | | |

Table 3-2 Route Number to Trunk Group/RAB Selection and Digit Control

| Route Number M.B. 1-14-03 | NORMAL, TKGP (01~32), or RAB (01~32) M.B.1-14-04 | Delete Digits (00~10) M.B. 1-14-05 | Add Digits (10 Max.) M.B. 1-14-06 |
|--------------------------------------|---|---|--|
| 01 | | | |
| 02 | | | |
| 03 | | | |
| 04 | | | |
| 05 | | | |
| 06 | | | |
| 07 | | | |
| 08 | | | |
| 09 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |

Table 3-2 Route Number to Trunk Group/RAB Selection and Digit Control (Continued)

| Route Number M.B. 1-14-03 | NORMAL, TKGP (01~32), or RAB (01~32) M.B.1-14-04 | Delete Digits (00~10) M.B. 1-14-05 | Add Digits (10 Max.) M.B. 1-14-06 |
|------------------------------|---|--|--------------------------------------|
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |

- A single route is specified for each registered dialing number.
- When Memory Block 1-14-00 is set to allow, ARS functions even with the MIFM-U() ETU installed, but LCR using the MIFM-U() ETU is disabled.
- The MIFM-U() ETU is required for charge display to function.
- The ARS dialing numbers are checked according to the following priorities:
 Complete table match
 Allow/Deny in the order 0~9, *, # or P/N or X
 Data sorted in the order 0~9, *, # or P/N or X.
- The program cannot detect 1+; it must be entered in the table.

- Numbers affected by code restriction using Memory Block 1-1-82 (CO Feature Code Service for Code Restriction.), need not be specified as 8-digit dialing numbers in the ARS table because they are automatically excluded from ARS.
- NORMAL origination in USA is Trunk Group 1.
- When a dialing number is not subjected to ARS, it is either originated according to the LCR bypass specification or busy.
- When ARS begins checking a received number, a 10-second timer is set. When timeout occurs, ARS ends and normal origination is performed.

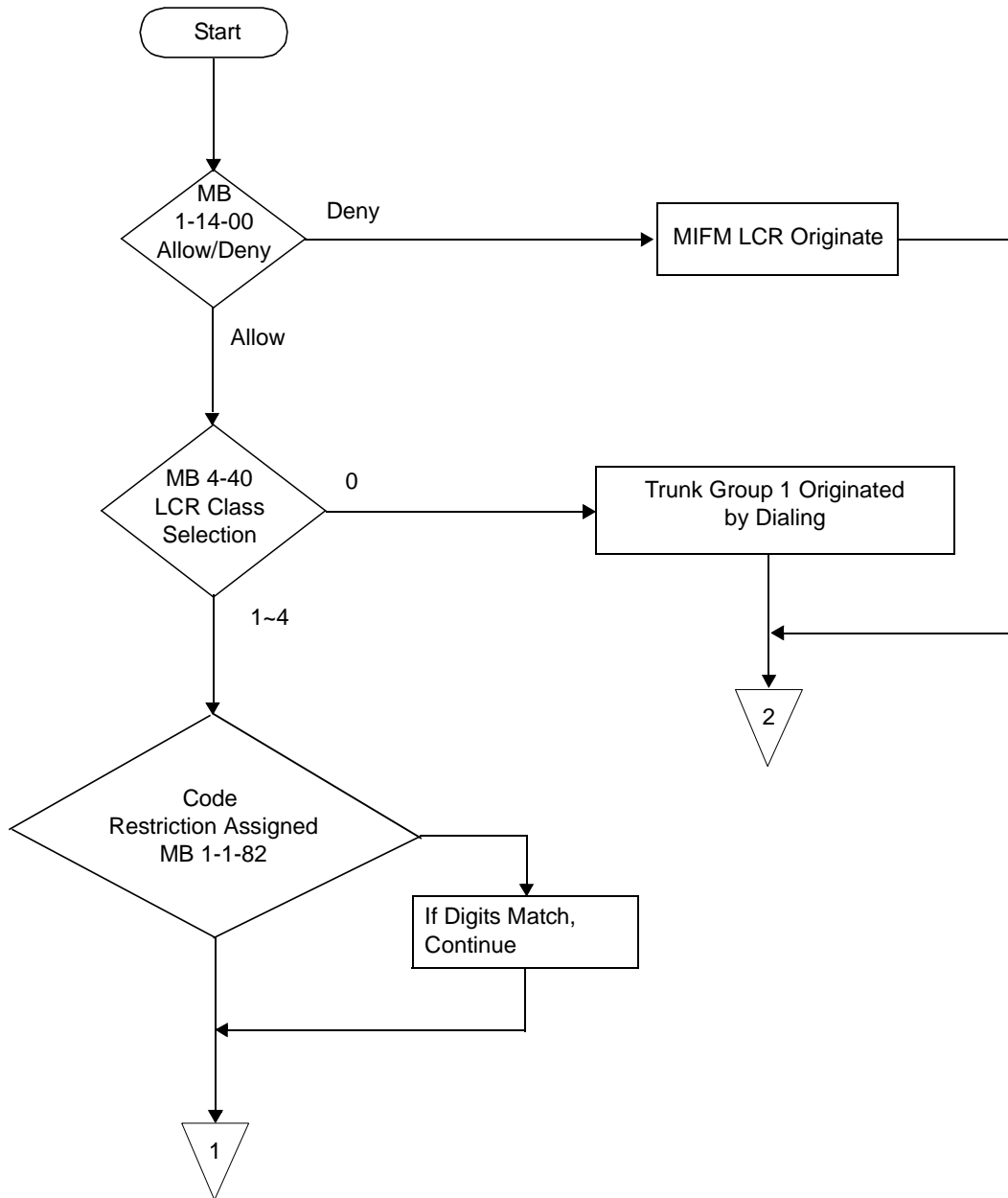
2.6 ARS Flowcharts

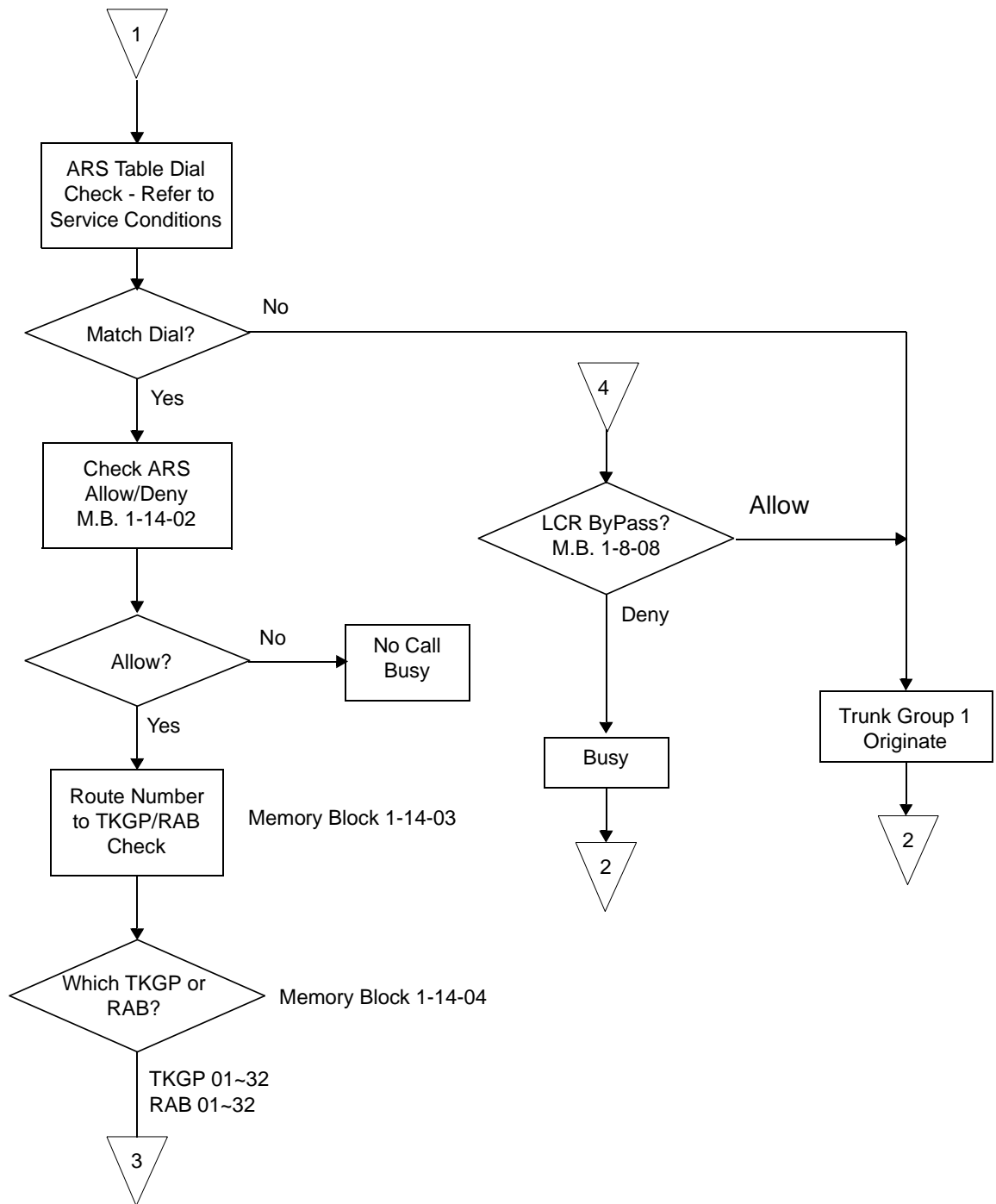
The flowcharts show how origination by Trunk Group 1 is determined.

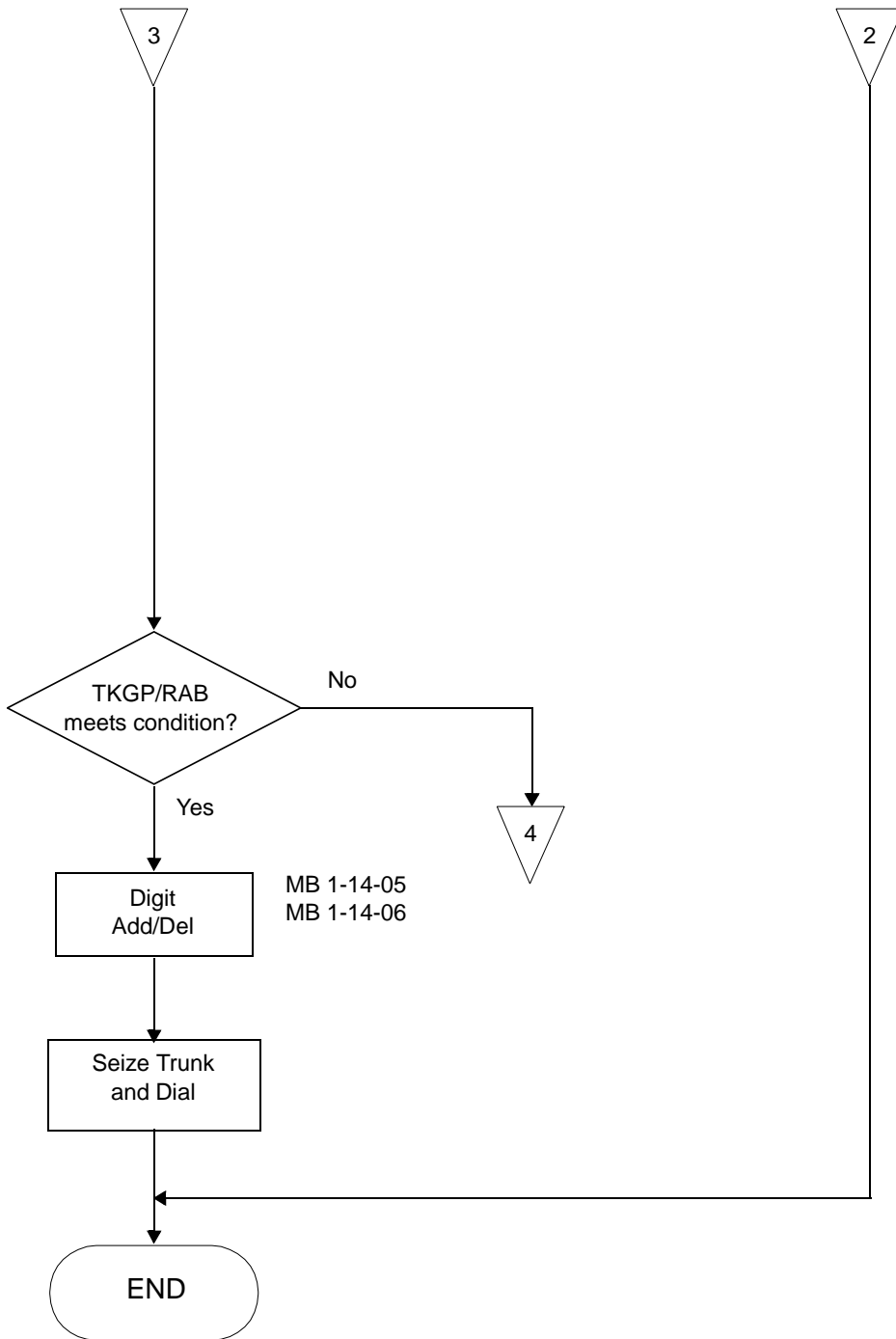
When the call is not originated by pressing a line key or dialing a Trunk Group 1 access code and the LCR Class is 0, the call is originated as is.

When LCR Class 1, 2, 3, or 4 is selected the call is originated according to bypass specifications in the class of service and becomes busy.

Automatic Route Selection Flowcharts







SECTION 3 ISDN-PRI CALL BY CALL

3.1 General

Call by Call Service allows multiple services to share a PRI line.

When a call is originated or terminated, an Information Element (IE) called the Network Specified Facility (NSF) is added to the SETUP message to identify the service associated with the call.

The number of Simulated Facility Groups (SFGs) that can be simultaneously used for each service must be restricted. The total number of SFGs must be less than the number of PRI channels. The SFGs are determined when contracting with the network. The network determines whether calls that exceed the restriction are rejected or diverted. For outgoing calls, the KTS counts the number of calls in progress per group, and rejects excess calls.

For Call by Call to operate, the number of B channels used for PRI must be specified using Memory Block 1-13-00 (PRT Channel Assignment), and Call by Call service must be assigned to each PRT using Memory Block 1-13-03 (Call by Call Service Selection).

3.2 Memory Blocks

The following related Memory Blocks are used when assigning Call by Call.

| Title | Memory Block |
|--|--------------|
| DID Digit Length Selection..... | 1-1-20 |
| DID Digit Conversion Assignment..... | 1-1-21 |
| DID Digit Conversion Table..... | 1-1-22 |
| DID Forward Station Number for Busy Station or Undefined Digit..... | 1-1-23 |
| Access Code (1~3 Digit) Assignment..... | 1-1-46~48 |
| Route Advance Block Assignment..... | 1-1-30 |
| ISDN DTMF Duration/Interdigit Selection..... | 1-1-80 |
| ISDN / K-CCIS Interval Time Selection..... | 1-1-81 |
| SLT or Automated Attendant/DISA to CPU PBR Selection. | 1-8-01 |
| PBR Receive Level Assignment for Automated Attendant/DISA..... | 1-8-02 |

| | |
|---|---------|
| Master Clock Selection..... | 1-8-33 |
| Trunk to Tenant Assignment..... | 2-01 |
| Line Key Selection..... | 2-05 |
| Line Key Selection for Tenant Mode..... | 2-06 |
| Trunk-to-Trunk Group Assignment..... | 3-03 |
| Trunk Incoming Answer Mode Selection..... | 3-05 |
| Automatic Release Signal Detection Selection..... | 3-40 |
| DIT Assignment..... | 3-42 |
| ANA Assignment..... | 3-43 |
| ISDN Trunk Directory Number Assignment..... | 3-52 |
| Caller Name Indication Selection..... | 3-53 |
| Trunk Type Selection..... | 3-91 |
| Trunk (Installed, DP/DTMF) Selection..... | 3-92 |
| CO/PBX Ring Assignment (Day Mode)..... | 4-01 |
| CO/PBX Ring Assignment (Night Mode)..... | 4-02 |
| Telephone to Tenant Assignment..... | 4-09 |
| Line key Selection for Telephone Mode..... | 4-12 |
| Station to Call Appearance Block Assignment..... | 4-43 |
| Multiline Terminal Type Selection..... | 4-50 |
| PRT Channel Assignment..... | 1-13-00 |
| Call by Call Service Selection..... | 1-13-03 |
| Call by Call Type of Number Assignment..... | 1-10-02 |
| Call by Call Numbering Plan ID Assignment..... | 1-10-03 |
| Call by call Type of Network ID Assignment..... | 1-10-00 |
| Call by Call ID Plan Assignment..... | 1-10-01 |
| Call by Call Network ID Assignment..... | 1-10-04 |
| Call by Call Facility Coding Value Assignment (Service).. | 1-10-05 |
| Call by Call Facility Coding Value Assignment (Feature).. | 1-10-06 |

| | |
|---|---------|
| Call by Call Service Parameter Assignment..... | 1-10-07 |
| Call by Call Max Digit Assignment..... | 1-10-08 |
| Call by Call Simulated Facility Group Assignment..... | 1-10-09 |
| Call by Call Outgoing SFG Assignment..... | 1-10-20 |
| Call by Call Outgoing/Incoming SFG Assignment..... | 1-10-21 |
| Call by Call Incoming Type Selection..... | 1-10-22 |

3.3 Memory Block Description

3.3.1 DID Digit Length Selection (Memory Block 1-1-20)

Use this Memory Block to define the number of DID digits.

Default: 3

3.3.2 DID Digit Conversion Assignment (Memory Block 1-1-21)

Use this Memory Block to enable the DID Digit Conversion table.

Default: NO

3.3.3 DID Digit Conversion Table (Memory Block 1-1-22)

Use this Memory Block to assign DID numbers to ring at station numbers, closed number (plus outgoing digits), or tenant number.

Default: Not Specified

3.3.4 DID Forward Station Number for Busy Station or Undefined Digit (Memory Block 1-1-23)

Use this Memory Block when the DID conversion Table is enabled to define where digits are routed when undefined or the station is busy.

Default: NON (Not Assigned)

3.3.5 Access Code (1-, 2-, or 3-Digit) Assignment (Memory Block 1-1-46~48)

Use this Memory Block to assign access codes or station numbers.

Function 080 [Outgoing (CO only) Access in same Tenant] default Not Specified, Function 101 (Trunk Group 01) default is 9, and Function 201~232 (Route Advance Blocks 1~32) default is none specified.

- 3.3.6 Route Advance Block Assignment (Memory Block 1-1-30)
Use this Memory Block to assign priority levels to each Trunk Group assigned in a Route Advance Block.
Default: All Blocks 00
- 3.3.7 ISDN DTMF Duration/Interdigit Selection (Memory Block 1-1-80)
Use this Memory Block to specify tone duration and interdigit time of DTMF signals for ISDN trunks.
Default: 100/70 milliseconds
- 3.3.8 ISDN / K-CCIS Interval Time Selection (Memory Block 1-1-81)
Use this Memory Block to specify time between digits dialed.
Default: 4s
- 3.3.9 SLT or Automated Attendant/DISA to CPU PBR Selection (Memory Block 1-8-01)
Use this Memory Block to specify whether the PBR circuits in the CPU are for Single Line Telephones or Automated Attendant/DISA.
Default: SLT
- 3.3.10 PBR Receive Level Assignment for Automated Attendant/DISA (Memory Block 1-8-02)
Use this Memory Block to Specify the receiving level at the Automated Attendant /DISA.
Default: 03 (-36 dBm)
- 3.3.11 Master Clock Selection (Memory Block 1-8-33)
Use this Memory Block to assign the source for synchronization of the clocking for DTI-U(), PRT(1)-U(), or BRT(4)-U() ETU.
Default: 0 (Not assigned)
- 3.3.12 Trunk to Tenant Assignment (Memory Block 2-01)
Use this Memory Block to assign CO/PBX lines to tenants.
Default: CO/PBX lines 01~64 are assigned
- 3.3.13 Line Key Selection (Memory Block 2-05)
Use this Memory Block to select Tenant mode or Telephone Mode line key assignment for each tenant.
Default: TEL

3.3.14 Line Key Selection for Tenant Mode (Memory Block 2-06)

Use this Memory Block to assign functions to each telephone line key for Tenant Mode.

Default: Tenant 00, Line keys 01~08 are assigned to CO/PBX.
Tenants 01~47 are unassigned)

3.3.15 Trunk-to-Trunk Group Assignment (Memory Block 3-03)

Use this Memory Block to assign a Trunk Group number to each CO/PBX line.

Default: Lines 01~08 assigned to Trunk Group 01
Lines 09~64 assigned to Trunk Group 00
All Tie Lines assigned to Trunk Group 02
All DID lines assigned to Trunk Group 00

3.3.16 Trunk Incoming Answer Mode Selection (Memory Block 3-05)

Use this Memory Block to specify the incoming answer mode per outside line as NO ASSIGN (Normal), TANDM TRF (automatic trunk-to-trunk transfer), or AA (Automated Attendant/DISA).

Default: NO ASSIGN

3.3.17 Automatic Release Signal Detection Selection (Memory Block 3-40)

Use this Memory Block to specify signal detection time for release of a CO/PBX line after a disconnect signal is received from the Central Office or PBX.

Default: 350 (milliseconds)

3.3.18 DIT Assignment (Memory Block 3-42)

Use this Memory Block to assign a Day Mode direct-trunk termination to an independent station.

Default: Blank (No Assignment)

3.3.19 ANA Assignment (Memory Block 3-43)

Use this Memory Block to assign a Night Mode direct-trunk termination to an independent station.

Default: Blank (No Assignment)

3.3.20 ISDN Trunk Directory Number Assignment (Memory Block 3-52)

Use this Memory Block to assign ISDN Directory Number.

Default: Blank (Not Specified)

3.3.21 Line Key Selection (Memory Block 3-53)

Use this Memory Block to check the speed dialing buffer for a match when a Caller ID Number is detected. When a name is assigned to a matched number, it can be displayed when Line key 3 (NAM) is selected.

Default: NUM

3.3.22 Trunk Type Selection (Memory Block 3-91)

Use this Memory Block to specify an external line as CO, PBX (or CTX), TIE, DID, or CTX (Assume 9).

Default: CO

3.3.23 Trunk (Installed, DP/DTMF) Selection (Memory Block 3-92)

Use this Memory Block to specify an external line as NIL (Not connected), DP 10 pps, DP 20 pps, or MF (DTMF).

Default: MF

3.3.24 CO/PBX Ring Assignment (Day Mode) (Memory Block 4-01)

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in the Day mode.

Default: Lines 01~08 ring at telephone ports 01 and 02

3.3.25 CO/PBX Ring Assignment (Night Mode) (Memory Block 4-02)

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in the Night mode.

Default: Lines 01~08 ring at telephone ports 01 and 02

3.3.26 Telephone to Tenant Assignment (Memory Block 4-09)

Use this Memory Block to specify Tenant assignment per station.

Default: All telephones assigned to Tenant 00

3.3.27 Line Key Selection for Telephone Mode (Memory Block 4-12)

Use this Memory Block to assign functions to each CO/PBX line key on each tenant assigned to telephone mode.

Default: Line keys 01~08 are assigned as CO/PBX lines 01~08 for all telephones.

3.3.28 Station to Call Appearance Block Assignment (Memory Block 4-43)

Use this Memory Block to assign a multiline Terminal to a Call Appearance Block.

Default: All stations are assigned to CAP Block 00

3.3.29 Multiline Terminal Type Selection (Memory Block 4-50)

Use this memory Block to select the Multiline Terminal type.

Default: 16 Line Keys

3.3.30 PRT Channel Assignment (Memory Block 1-13-00)

Use this Memory Block to assign B channels for PRI.

Default: 24

3.3.31 Call by Call Service Selection (Memory Block 1-13-03)

Use this Memory Block to specify whether (YS) or not (NO) Call by Call is specified per PRT line.

Default: NO

3.3.32 Call by Call Type of Number Assignment (Memory Block 1-10-02)

Use this Memory Block to specify a TN for each Route Advance Block (RAB) as 0 (Unknown), 1 (International), 2 (National), 3 (Network Specific), or 4 (Subscriber or local).

Default: 0 for all RABs

3.3.33 Call by Call Numbering Plan ID Assignment (Memory Block 1-10-03)

Use this Memory Block to specify Numbering Plan ID (NPI) for each RAB as 00 (Unknown), 1 (ISDN/Telephony), 2 (Reserved), 3 (Data, in the future), or 9 (Private).

Default: 0 for all RABs

3.3.34 Call by Call Type of Network ID Assignment (Memory Block 1-10-00)

Use this Memory Block to specify Type of Network ID (TNI) for each RAB as 0,1 (Reserved), 2 (National Network), 3~7 (Reserved).

The Network ID (Memory Block 1-10-04) must be assigned.

Default: 2 for all RABs

- 3.3.35 Call by Call ID Plan Assignment (Memory Block 1-10-01)
Use this Memory Block to specify Network ID Plan (NIP) for each RAB as 0 (Reserved), 1 (Interexchange Carrier), 2~15 (Reserved).
The Network ID (Memory Block 1-10-04) must be assigned.
Default: 1 for all RABs
- 3.3.36 Call by Call Network ID Assignment (Memory Block 1-10-04)
Use this Memory Block to specify Network ID (NID) for each RAB.
Default: All RABs are unspecified
- 3.3.37 Call by Call Facility Coding Value Assignment (Service) (Memory Block 1-10-05)
Use this Memory Block to specify Facility Coding Value (Service) for each RAB as specified by the Memory Block table.
Default: All blocks 00 (None)
- 3.3.38 Call by Call Facility Coding Value Assignment (Feature) (Memory Block 1-10-06)
Use this Memory Block to specify Facility Coding Value (Feature) for each RAB as specified by the Memory Block table.
Default: All blocks 00 (None)
- 3.3.39 Call by Call Service Parameter Assignment (Memory Block 1-10-07)
Use this Memory Block to specify Call Service Parameter for each RAB as specified by the Memory Block table.
Default: All RABS 0-000
- 3.3.40 Call by Call Max Digit Assignment (Memory Block 1-10-08)
Use this Memory Block to specify Max Digit for each RAB.
Default: All RABs 00 (No Limit)

- 3.3.41 Call by Call Simulated Facility Group Assignment (Memory Block 1-10-09)
- Use this Memory Block to specify a Simulated Facility Group (01~16) to control SFGs of each facility for each RAB.
- Default: All RABs 00 (None)
- SFGs for FX can be defined per FX Facility Group for incoming, outgoing, and Incoming/outgoing calls using an FX Facility Group.
- SFGs for Tie Trunks can be defined per Tie Trunk Facility Group for incoming, outgoing, and Incoming/outgoing calls using a Tie Trunk Facility Group.
- SFGs for OUTWATS can be defined for outgoing calls per individual OUTWATS service. For IntraLATA and banded OUTWATS, an SFG is assigned to each band. For InterLATA OUTWATS, an SFG is assigned to each IC.
- SFGs for INWATS can be defined for incoming calls per INWATS called DN.
- 3.3.42 Call by Call Outgoing SFG Assignment (Memory Block 1-10-20)
- Use this Memory Block to specify an outgoing SFG for each SFG specified by Memory Block 1-10-09.
- Default: 99
- 3.3.43 Call by Call Outgoing/Incoming SFG Assignment (Memory Block 1-10-21)
- Use this Memory Block to specify an Outgoing or Incoming SFG for each SFG specified by Memory Block 1-10-09. The incoming SFG is controlled by the network.
- Default: 99
- 3.3.44 Call by Call Incoming Type Selection (Memory Block 1-10-22)
- Use this Memory Block to specify an Incoming Call Type for each SFG specified by Memory Block 1-10-09 as either CO (Normal) or DID.
- Default: DID

3.4 Call by Call (CBC) Programming (LCR PC Software V2.0 or Higher)

3.4.1 The International/Operator Table

This table has a page for each LCR Class (1~4) that contains fixed dialing patterns that can be assigned to that Class.

- Two routes can be assigned and arranged in priority. PRT should have higher priority.
- Trunk Group or Route Advance Blocks are specified in TG/RAB.
- Delete digits specifies the number of digits to delete from the first dial when using PRT.
- PreDigits controls whether digits that are specified in pre-digit tables are dialed before the International or Operator code.
- When TG/RAB is not assigned, outgoing calls cannot be made.

International or Operator Table Example

| LCR Class 1~4 | Dial | Priority | TG/RAB | Delete Digits | PreDigits Add/Not Add |
|------------------|-----------------|----------|--------|------------------|--------------------------|
| Class1 | 0- | 1 | RAB 09 | 1 | Not Add |
| | | 2 | None | None | Not Add |
| | 00 | 1 | RAB 10 | 2 | Not Add |
| | | 2 | None | None | Not Add |
| | 010 | 1 | RAB 11 | 3 | Not Add |
| | | 2 | None | None | Not Add |
| | 011 | 1 | RAB 12 | 3 | Not Add |
| | | 2 | None | None | Not Add |
| | 01N | 1 | RAB 13 | 2 | Not Add |
| | | 2 | None | None | Not Add |
| | ON (N = 2~9) | 1 | RAB 14 | 1 | Not Add |
| | | 2 | None | None | Not Add |

3.4.2 The OCC Table

This Table has 16 pages (called Table 1~Table 16) that are required for each of the LCR Classes for a total of 64 tables with fixed dialing patterns.

- Dial means following the OCC dial.
- Two routes can be assigned and arranged in priority. PRT should have higher priority.

- Trunk Group or Route Advance Blocks are specified in TG/RAB.
- Delete digits specifies the number of digits to delete from the first dial when using PRT.
- PreDigits controls whether digits that are specified in pre-digit tables are dialed before the International or Operator code.
- When TG/RAB is not assigned, outgoing calls cannot be made.
- When an unassigned OCC number is dialed, route selection is bypassed.

OCC Table Example

| Tables (64) 01~16 for each Class | OCC Dial | Dial | Priority | TG/RAB | Delete Digits | PreDigits Add/Not Add |
|--|---|-----------------|----------|--------|------------------|-----------------------------|
| Table 1 | 101XXX X (X = 0~9) 1010288 | 0- | 1 | RAB 15 | 8 | Not Add |
| | | | 2 | None | | Not Add |
| | | 00 | 1 | RAB 16 | 9 | Not Add |
| | | | 2 | None | | Not Add |
| | | 011 | 1 | RAB 3 | 10 | Not Add |
| | | | 2 | None | | Not Add |
| | | 0N (N = 2~9) | 1 | RAB 4 | 10 | Not Add |
| | | | 2 | None | | Not Add |
| | | 1N (N = 2~9) | 1 | RAB 5 | 10 | Not Add |
| | | | 2 | None | | Not Add |
| | | NX (X = 0~9) | 1 | RAB 6 | 9 | Not Add |
| | | | 2 | None | | Not Add |
| | | # | 1 | RAB 7 | 8 | Not Add |
| | | | 2 | None | | Not Add |

3.4.3 Operator Call Time Out Table Example

This table specifies a timeout (0~9 seconds) that is used to distinguish between 0 and 00 of an Operator Call.

The MIFM-U() ETU refers to this table when the first digit dialed is 0 or when 0 follows the OCC Dial.

Operator Call Time Out Table

| Default Settings | Operator Call Time Out |
|------------------|------------------------|
| | 4 sec |

3.5 Least Cost Routing (LCR) Programming

Refer to the Electra Elite IPK Least Cost Routing Manual.

3.6 Operating Procedures Example

Ensure that the following items are assigned or registered:

| Memory Block | Setting |
|--------------|--|
| 7-1 | S1 MIFM S2 ESITEL01~08 S4 PRTCO 01~24 S7 COICO 25~32 |
| 1-1-20 | 4 Digits |
| 1-1-21 | YS |
| 1-1-22 | DID number: 2000, Station number:100 |
| 1-1-30 | Set all 32 RABs at 02 with number 1 priority |
| 1-1-46 | Set dial 9 to function 101 (Trunk Group 1) |
| 1-1-81 | 4s |
| 1-8-08 | Page 3, LK4 [LCR Bypass (Trunk Groups 2~32)] to Allow Page4, LK1 (LCR Recall) to deny |
| 1-13-03 | PRT01 to YS |
| 2-01 | Co lines 01~23, 25~32 assigned to Tenant 00 |
| 3-03 | Co lines 01~23 assigned to TKGP02 Co lines 25~32 assigned to TKGP03 |
| 3-91 | Co lines 01~23 set to DID |

| | |
|---------|---|
| 3-92 | Co line 24 set to NIL (Not installed) |
| 4-12 | TEL ports 01, 02 (Ext. 100,101), LK01~23, C (CAP)01~23 |
| 4-40 | Set TEL ports 01, 02 (Ext. 100,101) to CLS 1 |
| 4-50 | 24 Line Keys |
| 1-10-20 | Group 01 to 08 MEGACOM (AT&T) Group 02 to 05 MEGACOM800 (AT&T) Group 03 to 02 MultiQuest (AT&T) Group 04 to 02 Tie (Nortel) Group 05 to 02 FX (Nortel) Group 06 to 01 ACCUNET (AT&T) (Future) Group 07 to 03 OUTWATS (Nortel) Group 08~16 to 99 (default) |
| 1-10-21 | Group 01 to 10 MEGACOM (AT&T) Group 02 to 05 MEGACOM800 (AT&T) Group 03 to 02 MultiQuest (AT&T) Group 04 to 03 Tie (Nortel) Group 05 to 03 FX (Nortel) Group 06 to 01 ACCUNET (AT&T) (Future) Group 07 to 03 OUTWATS (Nortel) Group 08~16 to 99 (default) |
| 1-10-22 | SFG05 to CO Other SFGs remain in DID |
| 3-42 | Set CO 01~23 to TEL 101 |
| 3-43 | CO 01~23 unassigned |

Call by Call Memory Block Data Table (Example Only)

Refer to the Memory Block Data table.



AT&T and Nortel are mixed in this example even though in reality this is impossible.

Table 3-3 Memory Block Data


| R A B | TN (02) | NPI (03) | TNI (00) | NIP (01) | NID (04) | FCVS (1-10-05) | FCVF (06) | SP (07) | MAX DIGIT (08) | SFG (09) |
|---|------------|-------------|-------------|-------------|-------------|--------------------|--------------|------------|----------------------|-------------|
| ✎ Values in () are the last two digits of Call by Call Memory Blocks (e.g. 1-10-0X). | | | | | | | | | | |
| 01 | 2 | 1 | None | None | None | 03 (AT&T) | 00 | 0:00 0 | 11 | 01 |
| 02 | 4 | 1 | None | None | None | 03 (AT&T) | 00 | 0:00 0 | 10 | 01 |
| 03 | 2 | 1 | 2 | 1 | 0288 | 03 (AT&T) | 00 | 0:00 0 | 11 | 01 |
| 04 | 2 | 1 | None | None | None | 02 (AT&T) | 00 | 0:00 0 | 11 | 02 |
| 05 | 2 | 1 | None | None | None | 16 (AT&T) | 00 | 0:00 0 | 11 | 03 |
| 06 | 0 | 0 | None | None | None | 04 Or 19 Nortel | 00 | 001 | 11 | 04 |
| 07 | 0 | 0 | None | None | None | 05 Or 20 Nortel | 00 | 100 | 11 | 05 |
| 08 | 1 | 1 | 2 | 1 | 3333 | 03 (AT&T) | 00 | 0:00 0 | 0 | 01 |
| 09 | 0 | 0 | None | None | None | 03 (AT&T) | 05 | 0:00 0 | 1 | N/A |

3.7 Dialing Examples

3.7.1 Dial 9 (Trunk access code) 1-212-752-5000

LCR search sequence: Area Code:212 → Route Adv 01 → Route 01
→ RAB 01 → TG 02 → CO 23.

Operation:

- Go off-hook, and listen for ICM dial tone.
The Terminal LCD shows 100 →.
- Dial the Trunk Access Code ().
The KSU generates an LCR Dial Tone.
The Terminal LCD shows LCR.

3. Dial 1 .
Dial tone stops.
The Terminal LCD shows 1.
4. Dial 2 1 2 7 5 2 .
CAP LEDs 00 and 01 light green.
The Terminal LCD shows 1212752.
5. Dial 5 0 0 0 .
LEDs remain On.
Ring Back Tone is generated.
The Terminal LCD shows 12127527000.
SETUP is sent to the Network.
SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------|------|------|------|------------|-------------|-------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 01 | 2(N) | 1 | 212-752-5000 | None | None | None | S | MEGACOM | None | |

6. PRT is connected.
LEDs remain On.
Conversation starts.
7. The Terminal LCD displays the elapsed time for the call.

3.7.2 Dial 9 (Trunk access code) 214-222-5000

LCR search sequence: Area Code:214 → Route Adv 02 → Route 02 → RAB 02 → TG 02 → CO 23.

Operation:

1. Go off-hook, and listen for ICM dial tone.
The Terminal LCD shows 100 →.
2. Dial the Trunk Access Code (9).
The KSU generates an LCR Dial Tone.
The Terminal LCD shows LCR.
3. Dial 2 1 4 .
Dial tone stops.

The Terminal LCD shows 214.
 CAP LEDs 00 and 01 light green.
 SFG 1 counter increments by 1.

4. Dial        .

LEDs remain On.
 Ring Back Tone is generated.
 The Terminal LCD shows 2142227000.
 SETUP is sent to the Network.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------|------|------|------|---------|-------------|-------------|-------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 02 | 4(N) | 1 | 214-222-5000 | None | None | None | S | MEGACOM | None | |

5. PRT is connected.
 LEDs remain On.
 Conversation starts.
6. The Terminal LCD displays the elapsed time for the call.

3.7.3 Dial 9-1-333-444-5000

LCR search sequence: Area Code:333 → Route Adv 03 → Route 03
 → RAB 03→ TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------|-----|-----|------|---------|-------------|-------------|-------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 03 | 2(N) | 1 | 333-444-5000 | 2 | 1 | 0288 | S | MEGACOM | None | |

3.7.4 Dial 9-1-800-777-5000

LCR search sequence: Area Code:800 → Route Adv 04 → Route 04
 → RAB 04→ TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------|------|------|------|---------|----------------|-------------|-------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 04 | 2(N) | 1 | 800-777-5000 | None | None | None | S | MEGACOM 800 | None | |

3.7.5 Dial 9-1-913-381-6000

LCR search sequence: Area Code:800 → Route Adv 04 → Route 04
→ RAB 04→ TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------|------|------|------|------------|-------------|-------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 05 | 2(N) | 1 | 913-381-6000 | None | None | None | S | MultiQuest | None | |

3.7.6 Dial 9-011-81 (Country Code)1-471-82-1111

LCR search sequence: Dial 011 of International/Operator Table 1→
RAB 08→ TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|-----|--------------------|-----|-----|------|------------|-------------|-------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 08 | 1(I) | 1 | 81-471-82- 1111 | 2 | 1 | 3333 | S | MEGACOM | None | |

3.7.7 Outgoing Tie Line Service – Detour to Analog Trunk when Simulated Facility Group (SFG) Busy

Dial 9 - 5 0 0 - 2 2 - 3 3 3 .

LCR search sequence: LCR Dial → Route Adv 01 → Route 01 (first
priority) → RAB 01 → SFG 01 → Outgoing SFG=08 (overflow) →
Route 040 (2nd priority) → TG 03 → CO 32.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|------|--------------|------|------|------|------------|-------------|-------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 06 | 0(U) | 0(U) | 500-222-3333 | None | None | None | S | Tie | None | 001 |

3.7.8 Outgoing FX service – Dial 9-1 +500-222-3333

LCR search sequence: Area Code 555→ Route Adv 07 → Route
07→ RAB 07→ TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|------|--------------|------|------|------|------------|-------------|-------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 07 | 0(U) | 0(U) | 500-222-3333 | None | None | None | S | FX | None | 100 |

3.7.9 Local Operator Call – Dial 9 +0

LCR search sequence: Dial 0 of International/Operator Table 1 → RAB 09 → TG 02 → CO 23.

SETUP Message

| CPN | | | | NSF | | | | | | |
|-----|------|------|-----------|------|------|------|------------|-------------|---------------------|----------------------|
| RAB | TN | NPI | | TNI | NIP | NID | F/S FCV | Service FCV | Feature FCV | Service Parameter |
| 09 | 0(U) | 0(U) | No Digits | None | None | None | S | MEGACOM | Operator (Local) | None |

3.8 Service Conditions

The following service conditions apply.

- The Electra Elite supports the AT&T 5ESS-2000 switch, Software release 5E12 or later using the National ISDN PRI version only.
- Caller ID is displayed as with normal CO calls.
- LCR is necessary for Call by Call origination.
- For an outgoing call to an external line, dialed digits are sent collectively when the specified ISDN interdigit dialing interval (MB 1-1-81, ISDN/ K-CCIS Interval Time Selection, 4 sec default) from the last digit expires. When a digit is not dialed after seizure of the external line before the interdigit interval times out, the external line is released and a Busy Tone is generated.
- When Call forward Off-premise is assigned, MB 4-47 (ISDN Directory Number Selection) follows the specification at the TEL to which the call is forwarded.
- No tandem connection is allowed in Tie Trunk Mode.
- For PRI trunks, CO or DID type should be assigned using MB 3-91 (Trunk Type Selection).
- When PRT is used as an outgoing trunk on Automatic Trunk-to-Trunk transfer, Caller ID follows the MB 3-52 (ISDN Trunk Directory Number selection) setting. When allowed, Caller ID is sent to the network.
- For an incoming call, the lowest numbered channel in the PRT trunk is used.
- Call by Call does not follow Tenant Day/Night Mode switching.

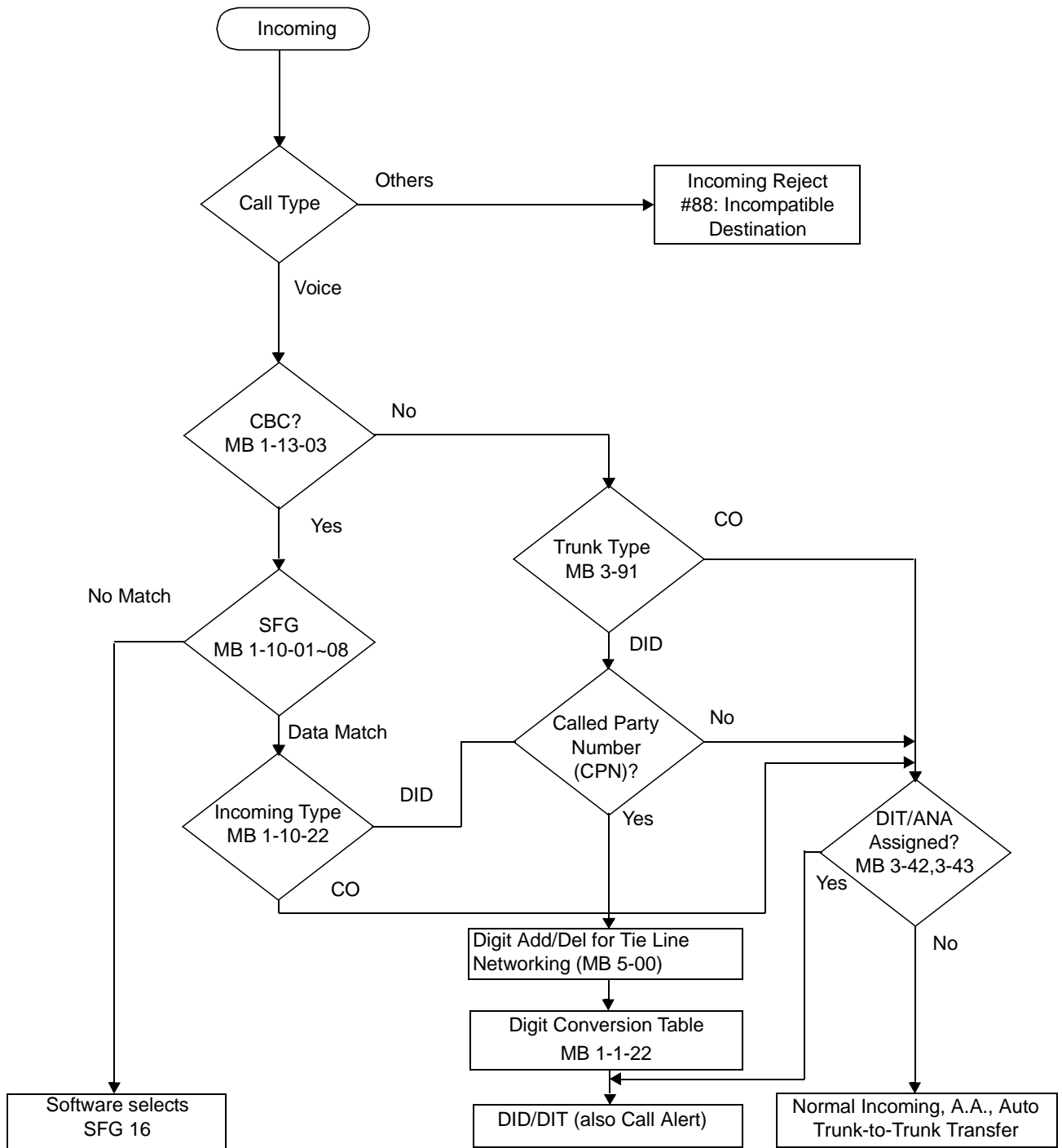
- When bypassing LCR for CBC, press a line key assigned for RAB or Dial the RAB access code to access the RAB. Using LCR requires dialing 1+NXX+NXX+XXXX. Pressing the RAB line key requires dialing NXX+NXX+XXXX. The greater of the two should be registered in MB 1-10-08 (Call by Call Max Digit Assignment).
 - ✎ LCR should be assigned to delete the 1. It should not be sent to the network.
- The system sends the number dialed to the network by the earliest occurrence of the following. Either the Max digits assigned by MB 1-10-08 (Call by Call Max Digit Assignment) are reached or the ISDN Dial Interval Time assigned by Memory Block 1-1-81 (ISDN /K-CCIS Interval Time Selection) expires.
- An incoming call is regarded as DID, but if called party information is not sent as for FX, it is regarded as a normal incoming call. Day/Night Ring, using Memory Block 4-01[CO/PBX Ring Assignment (Day Mode)]/ Memory Block 4-02[CO/PBX Ring Assignment (Night Mode)], or DIT/ ANA, using Memory Block 3-61 (DIT/ANA Delay Answer Time Selection), must be set for all COs.
- CBC parameters can be set to all assigned values. When an unused value is set, outgoing calls may not process properly.
- The Type of Network ID (TNI), Network ID Plan (NIP) and Network ID (NID) are mutually related. When NID is not registered, TNI, NIP, and NID are not sent. When NID is registered, the registered values for NIP and TNI are sent.
- Main Software controls the incoming SFG as follows:
 - The Facility Coded Value (FCV), NID, and Service parameters are extracted from the NSF-IE.
 - The RAB based CBC values are searched for a match.
 - When a match is found, the assigned SFG value for the RAB is used.
 - When a match is not found, software uses SFG value of 16.
 - When an incoming call indication is received, and the call is processed, the counter for incoming calls is incremented by one.
 - When an outgoing call is processed, the counter for incoming calls is incremented by one.
 - When the call is terminated before sending a SETUP message to the network, the outgoing call is canceled and the call counter is decreased by one.

- When incoming and outgoing calls are processed simultaneously the incoming call has priority. A collision error between simultaneous SETUP messages is generated, and the outgoing call gets a busy signal.
- The Incoming/outgoing (IC/OG) SFG must be equal to or greater than the outgoing (OG) SFG. When not, In many cases, the Electra Elite system does not accept an incoming call.
- When Operator Call Time Out Table is set to 0 in LCR Programming, the operator call requiring more than 1 digit cannot be used. When 0 + any digits is stored in speed dial, the system sends the call as 0 Call (operator) only.

3.9 Call by Call (CBC) Termination Flowchart

The flowchart shows how Call by Call incoming calls are terminated.

CBC Call Termination Flowchart



SECTION 4 HUB(8) VLAN AND QoS CONFIGURATION

4.1 General

The HUB(8)-U() ETU is an optional Ethernet Interface for the Electra Elite IPK KSU that supports eight Ethernet ports with status and activity indicators. A HUB is a switching Point for data that comes together from individual ports. A switch determines the port where the data should be forwarded and regulates transmission. This ETU is an efficient platform when multiple ETUs that require Ethernet connection are installed in the Electra Elite IPKKSU. One port can be a source port and another port can be a target port to mirror the source and monitor data traffic.

4.2 Memory Block Descriptions

Auto Negotiation Yes/No Selection (Memory Block 1-16-00)

Use this Memory Block to specify whether or not Auto Negotiation is enabled for each port of the HUB(8)-U() ETU. When No is selected, Memory Block 1-16-01 (Port Speed Selection 10/100 Base -T) and Memory Block 1-16-02 (Port Duplex Mode Selection) are used. When equipment with auto negotiation function is connected to a port, ensure that the YS is set for this Memory Block.

Port Speed Selection – 10/100 Base-T(Memory Block 1-16-01)

When Memory Block 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO, use this Memory Block to specify the Ethernet port speed as 10 Mbps or 100 Mbps for each port of each HUB(8)-U() ETU.

Port Duplex Mode Selection (Memory Block 1-16-02)

When Memory Block 1-16-00 (Auto Negotiation Yes/No Selection) is set to NO, use this Memory Block to specify duplex mode (HALF or FULL) for each port of each HUB(8)-U() ETU.

MDI/MDIX Mode Selection (Memory Block 1-16-03)

Use this Memory Block to specify an MDI/MDIX mode for each port of each HUB(8)-U() ETU.

VLAN Mode Selection (Memory Block 1-16-04)

Use this Memory Block to specify whether or not IEEE 802.1q VLAN Tagging is enabled for each HUB(8)-U() ETU. This Memory Block must also be enabled to use IEEE 802.p Priority. Priority options can be enabled in Memory Block 1-16-06 (Port Based Priority Selection), Memory Block 1-16-07 (High Priority RX Tag Threshold), Memory Block 1-16-08 (High Priority TX Tag Assignment), and Memory Block 1-16-09 (Low Priority TX Tag Assignment).

Default VLAN ID Tag Insertion Assignment (Memory Block 1-16-05)

Use this Memory Block to insert VLAN ID tagging to data frames from network devices that cannot insert VLAN tags. When data without a VLAN tag is transmitted by the device on the port, a tag is inserted with the VLAN ID assigned by this Memory Block.

Port Based Priority Selection (Memory Block 1-16-06)

Use this memory block to specify how frames, reaching the ingress port without VLAN tags are marked for queuing internally in the HUB(8). The HUB(8) has two queues: High Priority and Low Priority. When the frame reaches the egress port, settings for Memory Blocks 1-16-08 (for High Priority frames) and 1-16-09 (for Low Priority frames) for the egress port are used to convert the low or high priority queue to a VLAN tag priority (0~7). Set to NO (default), this Memory block does not mark frames for either queue; Memory Block 1-16-07 then determines the priority queue for where the frame is sent.

High Priority RX Tag Threshold (Memory Block 1-16-07)

The HUB(8) has two queues: High Priority and Low Priority. When Memory Block 1-16-06 is set to NO, and the priority of the VLAN tag is equal to or greater than the setting in this block, the tag is queued for high priority. Otherwise, it is queued for low priority. When it is transmitted out the egress port of the HUB(8), it retains its original VLAN tag priority value.

High Priority TX Tag Assignment (Memory Block 1-16-08)

For frames marked at the ingress port by Memory Block 1-16-06 as High Priority, this memory block setting on the egress port assigns a value (0 ~7) to the priority field of the VLAN tag. The default is 7.

Low Priority TX Tag Assignment (Memory Block 1-16-09)

For frames marked at the ingress port by Memory Block 1-16-06 as Low Priority, this memory block setting on the egress port assigns a value (0 ~7) to the priority field of the VLAN tag. The default is 0.

Port Mirroring Selection (Memory Block 1-16-10)

Use this Memory Block to specify whether or not Port Mirroring is enabled for each HUB(8)-U() ETU. The source port and the target port must be members of the same VLAN(s).

Mirroring Source Port Assignment (Memory Block 1-16-11)

When Port Mirroring is enabled in Memory Block 1-16-10 (Port Mirroring Selection), use this Memory Block to specify a port with data to be monitored on another port specified by Memory Block 1-16-12 (Mirroring Target Port Assignment) for each HUB(8) -U() ETU. The source port and target port must be in the same VLAN(s).

Mirroring Target Port Assignment (Memory Block 1-16-12)

When Port Mirroring is enabled in Memory Block 1-16-10 (Port Mirroring Selection), use this Memory Block to specify a target port that monitors frames transmitted on the source port specified by Memory Block 1-16-11 (Mirroring Source Port Assignment) for each HUB(8) -U() ETU. The source port and target port must be in the same VLAN(s).

VLAN Group to VLAN ID Assignment (Memory Block 1-16-13)

Use this Memory Block to create a list of valid VLAN IDs to be recognized by the HUB(8)-U() ETU.

Port VLAN Group Membership (Memory Block 1-16-14)

Use this Memory Block to create a list of accepted VLANs for each port. When Memory Block 1-16-04 (VLAN Mode Selection) is set to YS, each port accepts frames tagged with VLAN IDs only when the port is programmed as a member of that VLAN Group. Frames without VLAN tags are also permitted. When Port Mirroring is used, the source and target ports must be members of the same VLAN(s).

VLAN Tag Insertion Selection (Memory Block 1-16-15)

Use this Memory Block to specify whether or not the port should insert VLAN tags in frames transmitted on this port. When this Memory Block is set to NO, tags are deleted from frames of the same VLAN Group transmitted on this port.

Flow Control for Full Duplex Selection (Memory Block 1-16-16)

Use this Memory Block to specify whether or not Full duplex IEEE802.3x Flow Control is enabled for each HUB(8)-U() ETU port.

Back Pressure for Half Duplex (Memory Block 1-16-17)

Use this Memory Block to specify whether or not half-duplex Back Pressure Flow Control is enabled for each HUB(8)-U() ETU port.

4.3 Quality of Service Configuration with VLANs

Quality of Service (QoS) is a means of giving priority to time-sensitive network voice or video traffic. Diffserv and another router-based queuing method (layer 3 of the OSI model) do not solve the problem of network congestion on the LAN. Networks for voice and video should use switching hubs instead of dumb hubs. The HUB(8) ETU is a layer 2 switch that supports the IEEE 802.1p standard for QoS for IEEE 802.1q standard VLANs.

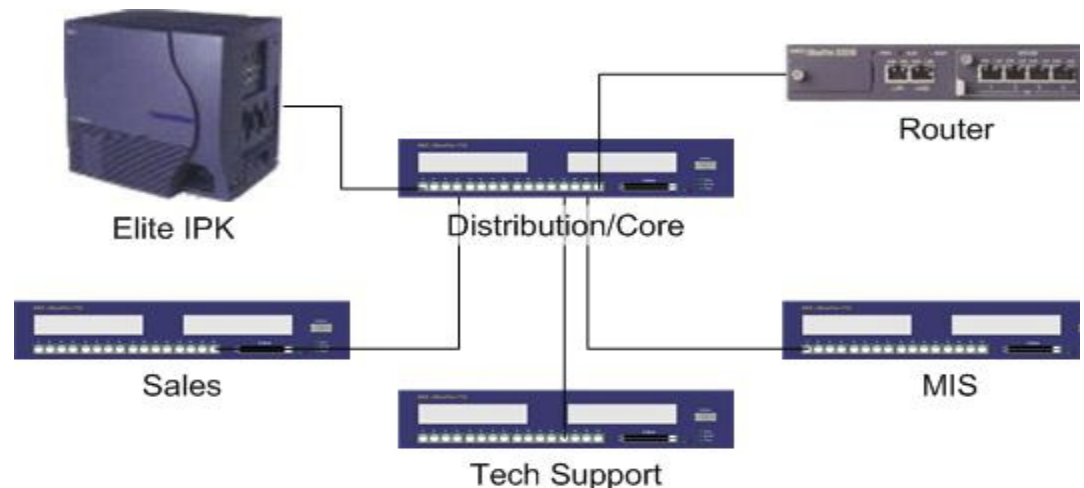


Figure 3-2 Quality of Service Configuration

VLANs may be implemented for reasons other than QoS such as reducing broadcast traffic on the network, security, or managing multiple paths to a destination. Using Voice over IP (VoIP), QoS is yet another reason to implement VLANs. Congestion may occur on the LAN typically on the trunk connecting the Ethernet switches, between switches and routers, or on the backplane of a switch-supporting network-intensive application (e.g., imaging or video).

When a network incorporates VLANs, the designer must remember that for a device on one VLAN to communicate with a device on another VLAN, all traffic between VLANs must travel across a router or a switch with built-in layer 3 routing ability. Layer 3 routing is slower than layer 2 switching and can be a potential traffic bottleneck on the network. Therefore, it is logical to create a VLAN for voice traffic only.

By enabling layer 2 QoS in the LAN, voice and other time-sensitive traffic can be given priority when the network is congested.

A workgroup may have all PCs in VLAN 200 and all IP telephone terminals in VLAN 100, even when PCs are typically connected to the second Ethernet port on the IP telephone terminals. The port on an Ethernet switch supporting both the IP telephone and the PC must be configured to allow traffic from both VLAN 100 and VLAN 200. NEC IP terminals have two Ethernet connections that can be assigned to different VLANs and QoS priorities.

The IEEE 802.1q VLANs insert a 4-byte tag in the Ethernet frame that includes both the VLAN Identifier (1~4095) and the user_priority (0~7) field that is used to assign traffic to a priority queue.

The HUB(8) has high and low priority queues. With Memory Block 1-16-06 set to NO (default), Memory Block 1-16-07 is used to determine which queue a frame is assigned, based on the frame IEEE 802.1p priority.

For port-based priority, Memory Block 1-16-06 determines which queue a frame is assigned, based on the port it enters. When an untagged frame leaves the HUB(8) ETU, it is assigned a priority based on the assigned queue and the corresponding memory block for the port it leaves: 1-16-08 for high-priority queue frames or 1-16-09 for low-priority queue frames.

IEEE 802.1q VLAN tags should be sent only to equipment that supports IEEE 802.1q/p. The insertion of an additional 4 bytes likely can create frames that are larger than the normal Ethernet maximum frame size. Equipment that does not support, IEEE 802.1q/p likely cannot respond to frames with tags. Using Memory Block 1-16-15, the HUB(8) can be configured to send tagged frames only to those devices that support tags.

4.4 Port Based Priority Example

In this example, the HUB(8) is set up to support 2 VLANs:

- VLAN Membership
 - VLAN 100 (black) – voice traffic for IP telephones A, B, and C, plus the IPC and MG ETUs.
 - Vlan 200 (grey) – data traffic of PCs A, B, and C.

○ Priority

- Voice traffic is set for high priority and programmed on the IP terminals using a priority level of 5.
- Data traffic is generally set for a priority of 0.

Programming:

| | |
|------------|---|
| MB 1-16-04 | VLAN Mode Selection YS |
| MB 1-16-05 | Default VLAN ID Tag Insertion Refer to Table 1. |
| MB 1-16-06 | Port Based Priority Selection Refer to Table 3. |
| MB 1-16-07 | High Priority RX Tag Threshold Refer to Table 3. |
| MB 1-16-08 | High Priority TX Tag Assignment Refer to Table 3. |
| MB 1-16-09 | Low Priority TX Tag Assignment Refer to Table 3. |
| MB 1-16-13 | VLAN Group to VLAN ID Assignment Refer to Table 2. |
| MB 1-16-14 | Port VLAN Group Membership Refer to Table 2. |
| MB 1-16-15 | VLAN Tag Insertion Selection Refer to Table 2. |

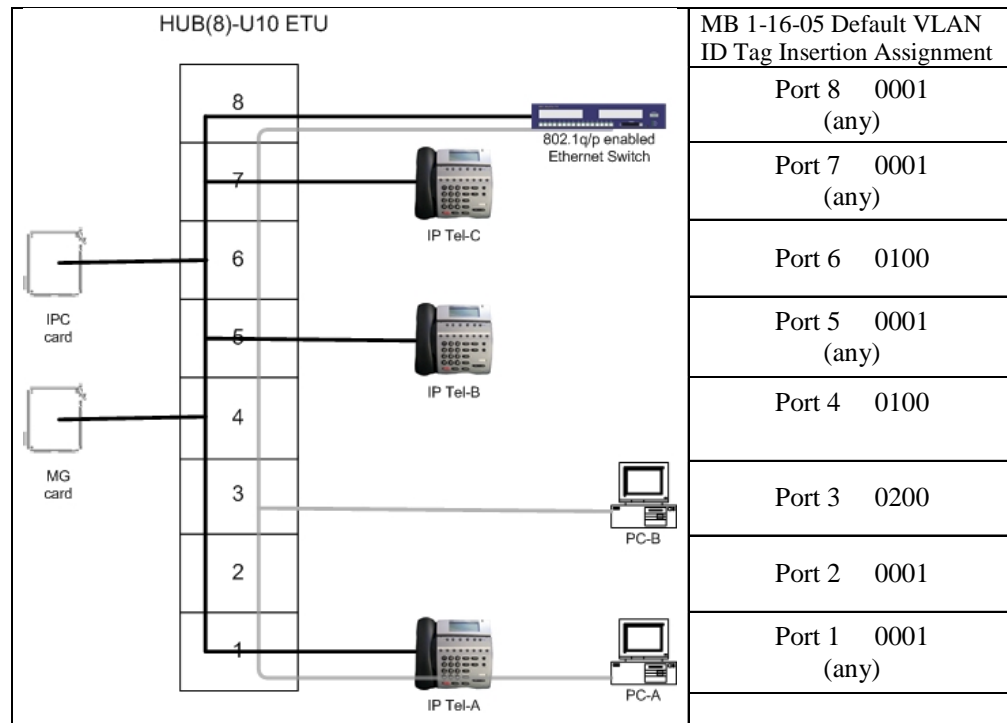
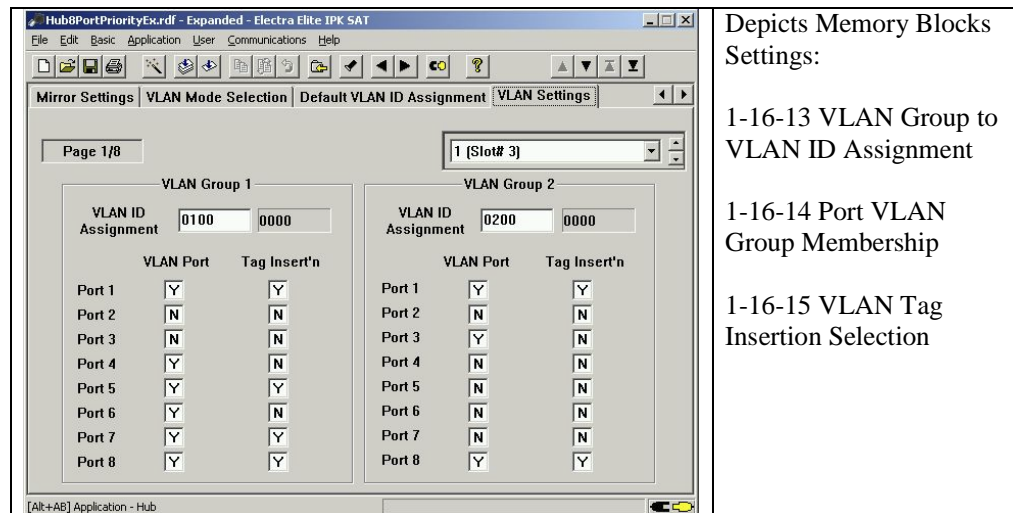


Figure 3-3 Physical Layout and Default VLAN IDs

- Ports 1, 5, and 7
IP telephone programming tags voice traffic on VLAN 100, and the PC on port 1 is attached to an IP telephone with a PC port set for VLAN 200.
- Port 2
Not Used.
- Port 3
PC requires default VLAN ID setting of 200, because it may not be able to tag traffic.
- Ports 4 and 6
VoIP cards without native ability to tag traffic.
- Port 8
Ethernet switch with native VLAN tagging abilities enabled.



Depicts Memory Blocks Settings:

1-16-13 VLAN Group to VLAN ID Assignment

1-16-14 Port VLAN Group Membership

1-16-15 VLAN Tag Insertion Selection

Figure 3-4 VLAN Settings

VLAN Group 1 carries traffic marked VLAN ID = 100.

VLAN Group 2 carries traffic marked VLAN ID = 200.

- Port 1
In IP terminal programming, both the IP terminal and PC are configured for VLAN tagging: IP terminal on VLAN 100, PC on VLAN 200. Traffic from both VLAN 100 and VLAN 200 must be permitted to go through port 1. VLAN tags should be inserted for each.
- Port 2
Not Used
- Port 3
PC is a member of VLAN 200 but does not support VLAN tag insertion. The PC does not respond to VLAN-tagged traffic.
- Port 4
MG(8) ETU, Elite VoIP ETU that does not support VLAN tags on VLAN 100.
- Port 5
IP terminal with VLAN tagging support on VLAN 100.
- Port 6
IPC ETU, ELite VoIP ETU that does not support VLAN tags on VLAN 100.
- Port 7
IP terminal with VLAN tagging support on VLAN 100.

- Port 8
Ethernet Switch that has IEEE 802.1q/p support enabled and is configured to carry traffic for both VLAN 100 and VLAN 200.

| | Port Based Priority | High Priority RX Tag | High Priority TX Tag | Low Priority TX Tag |
|--------|---------------------|----------------------|----------------------|---------------------|
| Port 1 | No Assign * | 4 | 4 | 0 * |
| Port 2 | No Assign * | 7 * | 7 * | 0 * |
| Port 3 | No Assign * | 7 * | 4 | 0 * |
| Port 4 | High | 7 * | 5 | 0 * |
| Port 5 | No Assign * | 4 | 7 * | 0 * |
| Port 6 | High | 7 * | 5 | 0 * |
| Port 7 | No Assign * | 4 | 7 * | 0 * |
| Port 8 | Low | 7 * | 5 | 0 * |

Depicts Memory Blocks Settings:

- 1-16-06 Port Based Priority Selection
- 1-16-07 High Priority RX Tag
- 1-16-08 High Priority TX Tag
- 1-16-09 Low Priority TX Tag

Figure 3-5 Port Priority Settings

- Port 1
In IP terminal programming, the IP terminal is configured for priority 5, and the PC is configured for priority 0.
- Port 2
Not Used.
- Port 3
The PC does not support VLAN tagging, so port-based priority could be used.
- Port 4
Traffic from the MG(8) is set for High Priority queue in MB 1-16-06.
- Port 5
In IP terminal programming, the IP terminal is configured for priority 5.
- Port 6
Traffic from the IPC is set for High Priority queue in MB 1-16-06.
- Port 7
In IP terminal programming, the IP terminal is configured for priority 5.

- Port 8
The Ethernet switch carries traffic already marked with VLAN tags with priorities. The threshold set on the HUB(8) ETU in MB 1-16-07 is priority 4. Priority 0~3 traffic from the Ethernet Switch goes to the Low Priority queue of the HUB(8), and priority 4~7 goes to the High Priority queue. For traffic from ports configured for port-based priority that exit port 1, the Low Priority queue traffic is marked priority 0, and the High Priority queue traffic (from the MG(8) on port 4 and the IPC on port 6) is marked priority 4. The Ethernet switch is configured for special handling of priority 4 traffic and priority 5 traffic for the IP telephones off the HUB(8) on its adjoining port.

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Function Time Chart

APPENDIX A

SECTION 1 TIME CHART

The chart on the following pages provides a list of times that can be programmed in the system. The information is listed numerically by Memory Block number. A brief definition and Minimum, Default, and Maximum values are given for each time.

Table A-1 Function Time Chart

| Time | Memory Block | Definition | Value | | |
|---|--------------|---|---|--------------------|---|
| | | | Minimum | Default | Maximum |
| Pause Time Selection | 1-1-00 | Time when no signal is being sent to a CO/PBX line. | 1.0s | 3.0s | 3.0s |
| DP Interdigit Time Selection | 1-1-01 | Minimum time between dialing signals in Dial Pulse dialing. | A | B | B |
| Hookflash Time Selection | 1-1-02 | Timing of a CO/PBX hookflash from the Recall key of a Multiline Terminal or a Single Line Telephone to the CO/PBX line. | 20ms | 600ms | 5.0s |
| Hold Recall Time Selection (Non-Exclusive Hold) | 1-1-03* | The time before a held CO/PBX line recalls the station that put that line on hold. | 25s 00s (No Limit) | 25s 060s | ∞ 255s |
| Automatic Redial Time Selection | 1-1-04 | Defines the redial timing parameters when automatic redial is set to a busy CO/PBX number. | Table 1 001 Table 2 001 Table 3 001 | 030 060 002 | 050 sec. 100 sec. 015 Attempts |
| Start Time Selection | 1-1-05* | The time after dialing before the system starts the elapsed Call Time. | 2s 00s (No Limit) | 10s 02s | 70s 99s |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|--|--------------|--|--------------------------------------|-----------------------------|-----------------------------|
| | | | Minimum | Default | Maximum |
| CO/PBX Incoming Ringing Alarm Time Selection | 1-1-06* | The time after an incoming CO/PBX call is detected before the ringing tone changes to a different ringing tone level when the call is not answered. | 10s 000s (No Limit) | ∞ 000s | ∞ 255s |
| Tie Line Delay Ringing Time Selection | 1-1-07* | The time between when a telephone rings (accessed by a ringing call in the Tie/DID line) and calls can start ringing at other assigned stations when it is not answered. | 10s 000s (No Limit) | ∞ 000s | ∞ 255s |
| Station Transfer/Camp-On Recall Time Selection | 1-1-12* | The time before a ring transferred call recalls to the station that transferred the call. | 25s 000s (No Limit) | 45s 060s | ∞ 999s |
| Trunk Queuing Timeout Selection | 1-1-37* | The time a station with Trunk Queue set rings before the queue is automatically canceled. | 10s 00s (No Limit) | 10s 10s | 60s 99s |
| CO/PBX Prepause Time Selection | 1-1-57 | The time before dialed digits are sent over a CO/PBX line after the line is seized. | NON | 1s | 13s |
| Hold Recall Time Selection (Exclusive) | 1-1-63* | The time (minutes) for Exclusive Hold Recall. No limit disables this feature. | 0.5 000s (No Limit) | 1.0 060s | ∞ 999s |
| First Delay Announcement Start Time Selection | 1-1-71 | The time (seconds) between receiving an incoming CO call and sending the First Delay Announcement to the caller. | 00 | 20 | 60 |
| First to Second Delay Announcement Interval Time Selection | 1-1-73 | The time (seconds) between the end of the First Delay Announcement and the beginning of the second Second Delay Announcement. | 00 | 20 | ∞ |
| Second Delay Announcement Repeat Interval Time Selection | 1-1-75 | The time (seconds) to repeat the Second Delay Announcement. | 0 | 20 | ∞ |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|---|--------------|--|----------------------------------|--------------------|---------------------|
| | | | Minimum | Default | Maximum |
| Delayed Ringing Time Assignment (CO) | 1-1-77 | The time for delayed ringing on incoming outside line calls. | 00s | 15s | 99s |
| ISDN DTMF Duration/Interdigit Selection | 1-1-80 | The tone duration/interdigit time (milliseconds) of DTMF signals. | 70/60 | 100/70 | 900/200 |
| ISDN / K-CCIS Interval Time Selection | 1-1-81* | The time between each digit dialed. | 2s 01s | 4s 04s | 32s 99s |
| Internal Paging Timeout Selection | 1-2-00* | The time allowed for paging. | 90s 000s (No Limit) | 90s 090s | ∞ 255s |
| Automatic Callback Release Time Selection | 1-2-02* | Time allowed before Automatic Callback is automatically canceled. | 30s 00m (No Limit) | 30m 30m | 30m 99m |
| Call Forward - No Answer Time Selection | 1-2-22* | The time before ICM or Trunk calls are forwarded when there is no answer. | 4s 01s | 12s 12s | 60s 99s |
| System Call Park Recall Time Selection | 1-2-23* | Time (minutes) before a parked call recalls to the station that parked the call. | 0.5 001s | 1.0 060s | 10.0 999s |
| Delayed Ringing Time Assignment (ICM) | 1-2-26 | The delayed ringing time on incoming internal calls. | 00 | 10s | 99 |
| PS Out of Area Time Assignment | 1-2-30 | The retry time when PS is Out of Area. | 00 | 08s | 99 |
| Bounce Protect Time Selection | 1-3-01 | The time for detecting a valid off-hook that is long enough to prevent unintentional bounce as an off-hook indication from a Single Line Telephone or Voice Mail System. | 0ms | 300ms | 1500ms |
| First Digit PBR Release Time Selection | 1-3-03* | The time that a receiver is connected when a DTMF Single Line Telephone user is dialing. | 10s 01s | 10s 10s | 60s 99s |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|---|--------------|---|---------------------------------|------------------------|------------------------|
| | | | Minimum | Default | Maximum |
| Hookflash Start Time Selection | 1-3-05 | The minimum hookflash time (milliseconds) for a Single Line Telephone or Voice Mail System before a valid hookflash is detected. | 40 | 290 | 790 |
| Hookflash End Time Selection | 1-3-06 | The maximum hookflash time from a Single Line Telephone to receive a second dial tone (HST = Hookflash Start Time). | 00 (HST + 0 ms.) | 07 (HST + 700 ms.) | 15 (HST + 1500 ms.) |
| Voice Mail DTMF Delay Time Selection | 1-3-08 | The delay time before DTMF tones are sent from the VMI port. | 0s | 1s | 8s |
| Voice Mail Disconnect Time Selection | 1-3-09 | The time a disconnect signal is sent to Voice Mail equipment. | 0.5s | 1.5s | 3.5s |
| Voice Mail DTMF Duration/Interdigit Time Selection | 1-3-10 | The DTMF duration/interdigit time (milliseconds) for voice mail. | 60/70 | 110/80 | 810/190 |
| Tandem Transfer Automatic Disconnect Time Selection | 1-4-00 | The maximum time (minutes) before the system automatic disconnects a Trunk-to-Trunk connection. | 000 | 060 | 999 |
| Automated Attendant First Digit PBR Release Time Selection | 1-4-01* | The time a PBR circuit remains connected after the Automated Attendant message is played when a call comes in through an Automated Attendant trunk. | 5s 01s | 20s 20s | 60s 99s |
| Automated Attendant Transfer Delayed Ringing Time Selection | 1-4-02* | The time a call rings at the destination before the Automated Attendant rings a predetermined station. | 10s 00s (No Limit) | ∞ 00s | ∞ 99s |
| Automated Attendant No Answer Disconnect Time Selection | 1-4-03* | The time the Automated Attendant rings a station before automatic disconnect. | 1m 001s | 2m 120s | 4m 255s |
| Automated Attendant Answer Delay Time Assignment | 1-4-13 | The time before the Automated Attendant answers an incoming CO/PBX call. | 00s | 04s | 99s |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|---|--------------|---|----------------------------------|--------------------|--------------------------------|
| | | | Minimum | Default | Maximum |
| Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection | 1-4-19 | The time between Automated Attendant Delay Announcement messages. | 0s | 4m | 20m |
| Automated Attendant Delay Announcement Disconnect Time Selection | 1-4-20 | The time the Automated Attendant rings the stations before disconnecting the caller. | 0s | 30s | 20m |
| SMDR Valid Call Time Assignment | 1-5-25 | The Minimum call time of an outside call before the system provides an SMDR report (Set from 0~99 seconds in 10-second increments). | 000s | 040s | 099s (10-second increments) |
| Doorphone Display Time Selection | 1-7-01* | The time a doorphone call signals a station before it times out. | 10s 01s | 10s 10s | 90s 99s |
| External Paging Timeout Selection | 1-7-06* | The time (minutes) before an external paging is automatically disconnected. | 0.5 000s (No Limit) | 5.0 300s | ∞ 999s |
| External Speaker Chime Start Time Selection | 1-7-09 | The delay time (milliseconds) between when an external paging code is dialed and when the paging alert tone is provided. | 000 | 700 | 1500 |
| PBR Interdigit Release Time Selection | 1-8-10 | The interdigit release time for the PBR. | 3s | 7s | 10s |
| System Refresh Time Assignment | 1-8-11 | The system refresh time during idle periods. | NON | 4H | 24H |
| VRS Message Recording Time Selection | 1-8-12 | The recording time and number of messages for each VRS channel. | 15s x16 | 15s x16 | 120s x2 |
| ACD Hunt Time | 1-8-40 | The time for hunting among ACD/UCD agents that do not answer a call. | 10s | 10s | ∞ |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|---|--------------|--|---------------------|-------------------------|-------------------------------|
| | | | Minimum | Default | Maximum |
| ACD/UCD Overflow Time Selection | 1-12-02 | The maximum time (seconds) a waiting ACD/UCD call remains at an ACD/UCD group before overflowing to a specified Station or Station Hunt group. | 10 | 60 | ∞ |
| Centralized BLF Send Time Assignment | 1-15-17 | The time (seconds) for sending BLF information across the K-CCIS Network. | 4 | 4 | 16 |
| Trunk DTMF Duration/Interdigit Selection | 3-15 | The tone duration/interdigit time (milliseconds) of DTMF signals. | 60/70 | 110/80 | 810/190 |
| Tie Line Prepause Time Selection | 3-16 | The prepause time (seconds) when the originating side can send dial pulse or DTMF to a distant system. | 0 | 0 | 13.0 |
| Tie Line Answer Detect Time Selection | 3-17 | The time (milliseconds) between when the receiving system answers and the time when it is recognized as an answer. | 0 | 520 | 1950 |
| Tie Line Release Detect Time Selection | 3-18 | The time (milliseconds) between when the circuit disconnection is detected on the Tie line on the distant system side and when it is recognized as Tie Line Release. | 0 | 520 | 1950 |
| Tie Line/CO/PBX Incoming Signal Detect Time Selection | 3-19 | The time (milliseconds) between when an incoming signal is detected from another Electra Elite system and the acknowledgment signal is sent (Expressed as Wink Start/Delay/COI). | 0/0/50 00 (LK 1) | 390/90/200 03 (LK 4) | 1950/450/ 800 15 (LK 8) |
| Tie Line Loop Off-Guard Time Selection | 3-20 | Off-guard time (seconds) to prevent noise that may cause the system to be unable to answer an incoming Tie line. | 0.0 | 2.0 | 13.0 |
| Tie Line Length of Wink Signal Selection | 3-21 | The time (milliseconds) of a Wink pulse that is sent to another Electra Elite system. | 30 | 180 | 480 |

Table A-1 Function Time Chart (Continued)

| Time | Memory Block | Definition | Value | | |
|---|--------------|--|-------------------------------|------------------|-------------------|
| | | | Minimum | Default | Maximum |
| Tie Line Length of Delay Signal Selection | 3-22 | The time (milliseconds) a delay pulse is sent to another system. | 0 | 300 | 4500 |
| Tie Line Incoming Interdigit Timeout Selection | 3-24 | The maximum time an address signal is missing during incoming call detection before an error tone is returned to the other system. | 1s | 6s | ∞ |
| Tie Line Wink/Delay Signal Detect Timeout Selection | 3-25 | The maximum time for receiving an acknowledgment signal from a distant system before sending a busy tone. | 1s | 7s | ∞ |
| Disconnect Recognition Time Selection | 3-33 | The minimum time (seconds) before a disconnected circuit can be accessed again. | 0 | 0.3 | 1.5 |
| Automatic Release Signal Detection Selection | 3-40 | The Signal detection time (milliseconds) for CO/PBX line release after a disconnect signal is received from the distant CO or PBX. | 0 | 350 | ∞ |
| DIT/ANA Delay Answer Time Selection | 3-61* | The time an incoming CO/PBX call rings before changing to a DIT/ANA call. | 0s 00s (No Time) | 0s 00s | 60s 99s |

* With **R3000 or higher**, these Memory Blocks have changes in Minimum, Default, or Maximum values that are indicated by bold figures

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Character Codes


APPENDIX B

SECTION 1 CHARACTER ASSIGNMENT

1.1 Character Code Tables

The character code tables are used when entering some functions provided with the Electra Elite IPK system.

Characters can be entered using the dial pad instead of the Character Code Tables. Refer to [1.2 Dial Pad Character Assignment](#).

 Codes 166~221 and 250~252 are used for Japanese characters only.

| Character | Code |
|-----------|------|
| BLANK | 032 |
| ! | 033 |
| | 034 |
| # | 035 |
| \$ | 036 |
| % | 037 |
| & | 038 |
| ' | 039 |
| (| 040 |
|) | 041 |
| * | 042 |
| + | 043 |
| , | 044 |
| — | 045 |
| – | 046 |
| / | 047 |
| 0 | 048 |
| 1 | 049 |
| 2 | 050 |
| 3 | 051 |
| 4 | 052 |

| Character | Code |
|-----------|------|
| @ | 064 |
| A | 065 |
| B | 066 |
| C | 067 |
| D | 068 |
| E | 069 |
| F | 070 |
| G | 071 |
| H | 072 |
| I | 073 |
| J | 074 |
| K | 075 |
| L | 076 |
| M | 077 |
| N | 078 |
| O | 079 |
| P | 080 |
| Q | 081 |
| R | 082 |
| S | 083 |
| T | 084 |

| Character | Code |
|-----------|------|
| \ | 096 |
| a | 097 |
| b | 098 |
| c | 099 |
| d | 100 |
| e | 101 |
| f | 102 |
| g | 103 |
| h | 104 |
| i | 105 |
| j | 106 |
| k | 107 |
| l | 108 |
| m | 109 |
| n | 110 |
| o | 111 |
| p | 112 |
| q | 113 |
| r | 114 |
| s | 115 |
| t | 116 |

| Character | Code |
|-----------|------|
| 5 | 053 |
| 6 | 054 |
| 7 | 055 |
| 8 | 056 |
| 9 | 057 |
| : | 058 |
| ; | 059 |
| < | 060 |
| = | 061 |
| > | 062 |
| ? | 063 |

| Character | Code |
|-----------|------|
| U | 085 |
| V | 086 |
| W | 087 |
| X | 088 |
| Y | 089 |
| Z | 090 |
| [| 091 |
| ¥ | 092 |
|] | 093 |
| ^ | 094 |
| _ | 095 |

| Character | Code |
|-----------|------|
| u | 117 |
| v | 118 |
| w | 119 |
| x | 120 |
| y | 121 |
| z | 122 |
| { | 123 |
| | 124 |
| } | 125 |
| Æ | 126 |
| ¨ | 127 |

| Character | Code |
|-----------|------|
| Blank | 160 |
| ° | 161 |
| 「 | 162 |
| 」 | 163 |
| ` | 164 |
| . | 165 |
| ヲ | 166 |
| ア | 167 |
| イ | 168 |
| ウ | 169 |
| エ | 170 |
| オ | 171 |
| ヤ | 172 |
| ユ | 173 |
| ヨ | 174 |
| ツ | 175 |
| - | 176 |
| ア | 177 |
| イ | 178 |
| ウ | 179 |
| エ | 180 |
| オ | 181 |
| カ | 182 |
| キ | 183 |
| ク | 184 |
| ケ | 185 |
| コ | 186 |
| サ | 187 |
| シ | 188 |
| ス | 189 |
| セ | 190 |
| ソ | 191 |

| Character | Code |
|-----------|------|
| タ | 192 |
| チ | 193 |
| ツ | 194 |
| テ | 195 |
| ト | 196 |
| ナ | 197 |
| ニ | 198 |
| ヌ | 199 |
| ネ | 200 |
| ノ | 201 |
| ハ | 202 |
| ヒ | 203 |
| フ | 204 |
| ヘ | 205 |
| ホ | 206 |
| マ | 207 |
| ミ | 208 |
| ム | 209 |
| メ | 210 |
| モ | 211 |
| ヤ | 212 |
| ユ | 213 |
| ヨ | 214 |
| ラ | 215 |
| リ | 216 |
| ル | 217 |
| レ | 218 |
| ロ | 219 |
| ワ | 220 |
| ン | 221 |
| ∥ | 222 |
| ° | 223 |

| Character | Code |
|-----------|------|
| α | 224 |
| ä | 225 |
| β | 226 |
| ε | 227 |
| μ | 228 |
| σ | 229 |
| ρ | 230 |
| ϝ | 231 |
| √ | 232 |
| -1 | 233 |
| j | 234 |
| × | 235 |
| ϕ | 236 |
| £ | 237 |
| ñ | 238 |
| ö | 239 |
| ρ | 240 |
| q | 241 |
| θ | 242 |
| ∞ | 243 |
| Ω | 244 |
| ü | 245 |
| Σ | 246 |
| π | 247 |
| ̄ | 248 |
| ч | 249 |
| 千 | 250 |
| 万 | 251 |
| 円 | 252 |
| + | 253 |
| Blank | 254 |
| ■ | 255 |



1.2 Dial Pad Character Assignment

Refer to the applicable table and procedure example.

Table B-1 System Data Input

| Press | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | Redial |
|------------------|--|------|------|------|------|------|------|------|------|----|--------|
| 1 st | 1 | A | D | G | J | M | P | T | W | 0 | * |
| 2 nd | @ | B | E | H | K | N | Q | U | X | ! | + |
| 3 rd | [| C | F | I | L | O | R | V | Y | " | , |
| 4 th | ¥ | a | d | g | j | m | S | t | Z | # | - |
| 5 th |] | b | e | h | k | n | p | u | w | \$ | . |
| 6 th | ^ | c | f | i | l | o | q | v | x | % | / |
| 7 th | | 2 | 3 | 4 | 5 | 6 | r | 8 | y | & | : |
| 8 th | / | To A | To D | To G | To J | To M | s | To T | z | | ; |
| 9 th | { | | | | | | 7 | | 9 | (| < |
| 10 th | | | | | | | To P | | To W |) | = |
| 11 th | } | | | | | | | | To 0 | | > |
| 12 th | → | | | | | | | | | | ? |
| 13 th | ← | | | | | | | | | | To * |
| 14 th | To 1 | | | | | | | | | | |
| * | Used to move cursor to left. | | | | | | | | | | |
| # | Used to move cursor to right. | | | | | | | | | | |
| Hold | Space (MB3-00) Data Clear (except MB3-00) | | | | | | | | | | |

1.2.1 Trunk Name or Number Assignment Example

- Enter Program Mode.
Display shows PROGRAM MODE.
- Press LK3.
Display shows 01/_.
- Press LK2.
Display still shows 01/_.
- Press   .
Display shows 01/N_.




























5. Press   .
Display shows 01/NE_.
6. Press    .
Display shows 01/NEC_.
7. Press  .
Display shows 01/02:OUT&IN.

Table B-2 Speed Dial Name Input

| Press | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * | # |
|------------------|---|------|------|------|------|------|------|------|------|----|------|-------|
| 1 st | 1 | A | D | G | J | M | P | T | W | 0 | * | Space |
| 2 nd | @ | B | E | H | K | N | Q | U | X | ! | + | |
| 3 rd | [| C | F | I | L | O | R | V | Y | “ | , | |
| 4 th | ¥ | a | d | g | j | m | S | t | Z | # | - | |
| 5 th |] | b | e | h | k | n | p | u | w | \$ | . | |
| 6 th | ^ | c | f | i | l | o | q | v | x | % | / | |
| 7 th | | 2 | 3 | 4 | 5 | 6 | r | 8 | y | & | : | |
| 8 th | / | To A | To D | To G | To J | To M | s | To T | z | 9 | ; | |
| 9 th | { | | | | | | 7 | | 9 | (| < | |
| 10 th | | | | | | | To P | | To W |) | = | |
| 11 th | } | | | | | | | | To 0 | > | | |
| 12 th | → | | | | | | | | | | ? | |
| 13 th | ← | | | | | | | | | | To * | |
| 14 th | To 1 | | | | | | | | | | | |
| Conf | Clear and 1 character back from the cursor. | | | | | | | | | | | |

1.2.2 Enter Speed Dial Name

1. Press inactive  .
Display is blank.
2. Press  .
Display shows: _.
3. Press   .
Display shows 00: _.
4. Press  .
Display shows 00:0: _.

5. Press      .
Display shows 00:0:12345_.
6. Press  .
Display shows 00=_.
7. Press   .
Display shows 00=N_.
8. Press   .
Display shows 00=NE_.
9. Press    .
Display shows 00=NEC_.
10. Press  .
Display shows 00=NECA_.
11. Press  .
Display shows 00=NECAM_.
12. Press  .

Display Abbreviations

APPENDIX C

Abbreviations found in the display are defined in below.

Table C-1 Abbreviations used in Multiline Terminal Displays

| | |
|-----------------------------|---|
| ADD/DEL : Addition/Deletion | DESG : Designation |
| AL : All | DGT : Digit |
| ALM : Alarm | DISP : Display |
| ANS : Answer | DISTM : Disconnection Recognition Time |
| ANSWR : Answer | DIVERT : Diversion |
| ASSGN : Assignment | DLY : Delay Signal Time |
| AUT : Automatic | DP : Dial Pulse |
| AUTANS : Autoanswer | DSS : Direct Station Selection |
| BLANK : Service Class | DY : Day Mode |
| BNCE : Bounce | FLSH : Flash |
| BTN : Button | GUARD : Outgoing Guard Time |
| CAL : Call | H : High |
| CANCLD : Canceled | HR : Hour |
| CKT : Circuit | ICM : Intercom (Extension) |
| CNF : Confirmation | IMDT : Immediate |
| CL : Class | IN : Incoming |
| CLD : CO Line Display | INC : Incoming Signal Detection Time Assignment |
| CLR : Clear | INDV : Individual |
| CLS : Class | INTRPT : Interruption |
| CONN : Connection | L : Low |

Table C-1 Abbreviations used in Multiline Terminal Displays (Continued)

| | | | |
|---------|--|----------|--|
| LCD | : Liquid Crystal Display | PBX | : Private Branch Exchange |
| LN | : Line | PRE | : Prepause Time Selection |
| LOOP | : Loop Off-Guard Assignment | PRNT | : Print |
| LNR/SPD | : Last Number/Speed Dial | PTRN | : Pattern |
| M | : Medium | PV | : Tie Line |
| MAN | : Manual | PVT | : Tie Line |
| MF | : Dual-Tone Multifrequency (DTMF) | PWRFAIL | : Power Failure |
| MIN | : Minimum | RCV | : Receiving |
| MOH | : Music On Hold | RINGTONE | : Ringing Tone |
| MSTR | : Master | RCVR | : Receiver |
| NUM | : Number | RES | : Restriction |
| NT | : Night Mode | RLY | : Relay |
| OUT | : Outgoing | RNGTONE | : Ringing Tone |
| OG TM | : Outgoing Time OUt Assignment | RT | : Route |
| OV | : Over | RT ADV | : Route Advance Block |
| PAD AT | : PAD Pattern A Transmission Assignment | RVS | : Reversal |
| PAD AR | : PAD Pattern A Receiving Assignment | SDT | : Second Dial Tone Assignment |
| PAD BT | : PAD Pattern B Transmission Assignment | SEND | : Transmission |
| PAD BR | : PAD Pattern B Receiving Assignment | SEL | : Selection |
| PBR | : Pushbutton Signal Receiver | SLT | : Single Line Telephone |
| SPD | : Speed Dial | TMR | : Timer |
| ST | : Start | TRNS | : Transfer |
| TEL | : Telephone | TRK | : Trunk |
| TERM | : Terminating | TRK GP | : Trunk Group |
| TMD | : Timed | WDSD | : Wink/Delay Signal Detection Timeout |

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