ELECTRONIC MODULAR SWITCHING SYSTEM KX-T123211D

Installation and Operation Manual for Added and Changed Features

Please read this Manual first and then another Installation Manual for programming.

This manual is available for KX-T123211D which has the mark 3 on the plate as shown below.

Note

- 1. For KX-T7020, 7030, 7050 and 7130, press the "STORE" key instead of "MEMORY" key.
- For KX-T7020, 7030, 7050 and 7130, press the "AUTO ANSWER" key instead of "AUTO ANS" key.
- 3. For the Features of Flexible keys, refer to this manual.
- Extension of jack number 01 should be connected to KX-T7030, 7130, 30830, 61630, 123230 and 123235, for programming system data.
- 5. All the programming procedures described in the Installation Manual have been modified. Delete step 2 "Press the NEXT button" from every feature of the programming in another Installation Manual. For further detail, see page 4 of this manual. This manual describes the revised procedures from which step 2 has already been deleted:

System Component

	Model No.	Description
Service unit	KX-T123211D	Electronic Modular Switching System
Telephone	KX-T7020	EMSS Proprietary Telephone (12 CO's)
	KX-T7030	EMSS Proprietary Telephone with LCD (12 CO's)
	KX-T7050	EMSS Proprietary Telephone (12 CO's)
	KX-T7130	EMSS Proprietary Telephone with LCD (12 CO's)
	KX-T123220	EMSS Proprietary Telephone (12 CO's)
	KX-T123230	EMSS Proprietary Telephone with LCD (12 CO's)
	KX-T123235	EMSS Proprietary Telephone with LCD (12 CO's)
	KX-T123250	EMSS Proprietary Telephone (12 CO's)
	KX-T61620	EMSS Proprietary Telephone (6 CO's)
	KX-T61630	EMSS Proprietary Telephone with LCD (6 CO's)
	KX-T61631	EMSS Proprietary Telephone with LCD (6 CO's)
	KX-T61650	EMSS Proprietary Telephone (6 CO's)
	KX-T30820	EMSS Proprietary Telephone (3 CO's)
	KX-T30825	EMSS Proprietary Telephone (3 CO's)
	KX-T30830	EMSS Proprietary Telephone with LCD (3 CO's, 8 DSS's)
	KX-T30850	EMSS Proprietary Telephone (3 CO's)
Optional	KX-T7040	DSS Console (32 DSS's, 16 Feature buttons)
equipment	KX-T123240	DSS Console (32 DSS's, 16 Feature buttons)
	KX-T61640	DSS Console (16 DSS's 16 Feature buttons)
	KX-T123241	DSS Console Card
	KX-T123270	Expansion Card (up to eight extension lines)
	KX-T123271	Expansion Card (up to four extension lines)
	KX-T123280	Expansion Card (up to four CO lines)
	KX-T123281	Expansion Card (up to two CO lines)
	KX-T123285	Off Premise Extension Card
	KX-T123286	Off Premise Extension Unit
	KX-T123291	Direct Inward System Access Card
	KX-T123292	Direct Inward System. Access Outgoing Message Card
	KX-T123295	Diagnostic Card
	KX-T123296	MODEM Card
	KX-T30860D	Doorphone Adaptor
	KX-T30865	Doorphone
	KX-T30890	Headset
	KX-A26	Battery Adaptor

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Example of Programming

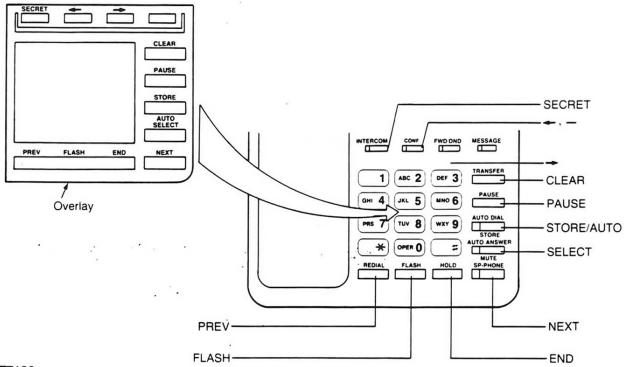
All the programming procedures described in the Installation Manual have been modified. Delete step 2; "Press the NEXT button" from every feature of the programming in another Installation Manual. See the example below — the portion that should be deleted is shown shaded.

This manual describes the revised procedures from which step 2 has already been deleted, as "Revision" below.

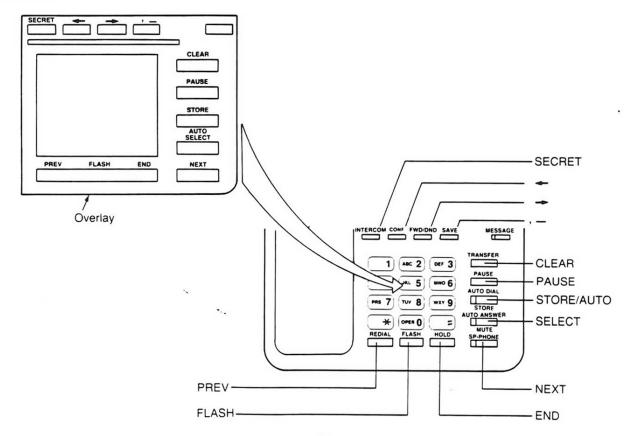
Original	Revision
AB = 0 0: speed access code 00 : 9 9: speed access code 99 CD = 8 1: access number of Trunk Group 1 : 8 8: access number of Trunk Group 8 [01][NEXT][AB][CD][phone number][MEMORY][END] [SELECT]	AB = 0 0: speed access code 00 : 9 9: speed access code 99 CD = 8 1: access number of Trunk Group 1 : 8 8: access number of Trunk Group 8 [01][AB][CD][phone number][MEMORY][END] [SELECT]
 Dial (01) or press the AUTO button. "Speed Dialing" will be displayed. Press the NEXT button. "Speed NO? → " will be displayed. Dial (00 through 99) or press the NEXT button, for speed access code entry. Enter automatic line access number or trunk group number. Enter the phone number. Press the MEMORY button. The memory indicator will be lit. ● To advance to the next speed access code, press the NEXT button. ● To return to the previous speed access code, press the PREV button. ● To go to the desired speed access code, press the SELECT button and then dial the speed access code. Repeat steps 4 to 7, to program the other phone numbers. 	 Dial (01) or press the AUTO button. "Speed NO? → " will be displayed. Dial (00 through 99) or press the NEXT button, for speed access code entry. Enter automatic line access number or trunk group number. Enter the phone number. Press the MEMORY button. The memory indicator will be lit. ● To advance to the next speed access code, press the NEXT button. ● To return to the previous speed access code, press the PREV button. ● To go to the desired speed access code, press the SELECT button and then dial the speed access code. Repeat steps 3 to 6, to program the other phone numbers. To return to the initial programming mode, press the END button.
To return to the initial programming mode, press the END button.	

When the System Program Switch on the KX-T123211D is set to the "PITS" position, the function of the KX-T7030 and the KX-T7130 connected to jack number 01 will change as follows.

KX-T7030



KX-T7130



Added Features

The Parallel Connection of the Proprietary Telephone and the Standard Telephone

- Any extension can be connected in parallel with the proprietary telephone and the standard telephone.
- In the event of a power failure, CO1, CO2, CO5, CO6, CO9 and CO10 can be accessed using the standard telephones that are connected in parallel with proprietary telephones to extensions of jack number 01, 02, 09, 10, 17 and 18 respectively.
- If the extension receives a call, a ringing will be heard from the proprietary telephone and the standard telephone. You can answer the call by using either the proprietary telephone or the standard telephone.
- An answering machine, a facsimile, a MODEM (personal computer) etc. can be connected instead of the standard telephone.
- You can program that the standard telephone will not work. For programming, refer to the "Standard Telephone Connection with Proprietary Telephone" on page 10 in this manual.

Note:

- The LCD on the proprietary telephone will show you the standard telephone is used.
- The following features will not work by the standard telephone connected in parallel with the proprietary telephone:

Call splitting

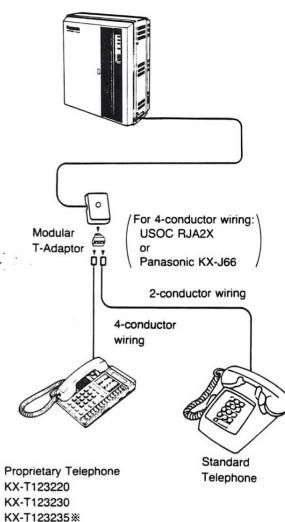
External feature access

Account code input

Conference

Pickup dialing

- The standard telephone connected in parallel with the proprietary telephone can not make a call in the following cases;
 - The proprietary telephone is set to BGM mode.
 - The proprietary telephone is receiving the paging through the built-in-speaker.
 - The proprietary telephone is set to PROGRAMMING mode.
- The standard telephone connected in parallel with the proprietary telephone will not ring in the-following cases:
 - The proprietary telephone is set to Automatic Answer-Intercom
 - The proprietary telephone is set to Voice alerting mode.



KX-T123250

KX-T61620

KX-T61630

KX-T61631

KX-T61650

KX-T7020

KX-T7030

KX-T7050

KX-T7130 %

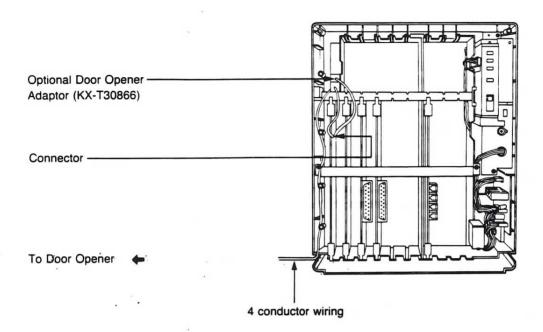
KX-T30820 KX-T30825

KX-T30830

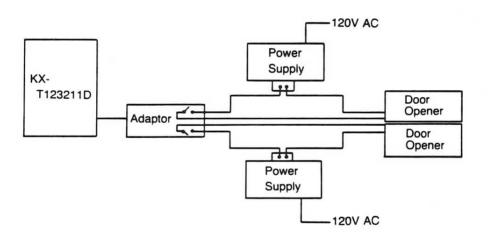
KX-T30850

The models above which have a mark ** require the 6-conductor wiring.

Connection of the Optional Door Opener Adaptor (KX-T30866)



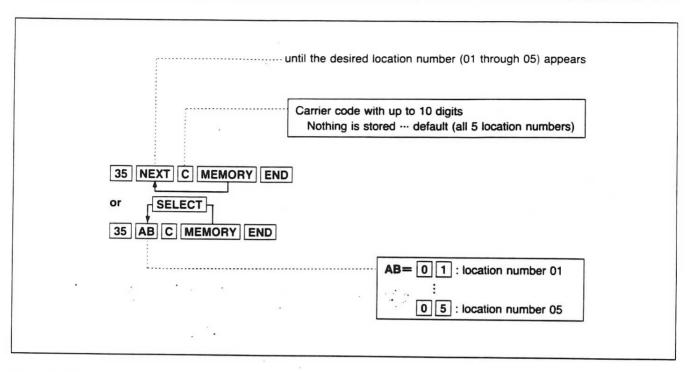
- For more detail, refer to the installation manual enclosed with the Door Opener Adaptor, KX-T30866.
- Block Diagram



Note:

- Power Supply, Door Opener and Wiring are not included of the Door Opener Adaptor, KX-T30866.
- For wiring, it is recommended to use AWG22 twisted wire or thicker wire.
- The relay contact is able to operate with MAX 50V AC, 1A or MAX 30V DC, 1A.
- Doorphone one must be paired with Door Opener one and the same with Doorphone two and Door Opener two.

Carrier Codes Assignment



Description

Through programming, up to 5 carrier codes to access OCC (other common carriers), etc. can be assigned. When a phone number which has an assigned carrier code is dialed, Toll Restriction check starts from the number that is dialed after the carrier code.

Programming

- Dial (37).
 "Code NO? → " will be displayed.
- 2. Dial (01 through 05) or press the NEXT button, for location number entry.

Example:

When dial (01) or press the NEXT button.

• The LCD will show "01: Not Stored" when nothing is stored in location number "01". When the carrier code 10222 has been stored, "01:10222" will be displayed.

- 3. Enter the carrier code with up to 10 digits.To erase a wrong entry, press the CLEAR button.
- 4. Press the MEMORY button.
 - The memory indicator will be lit.
- To advance to the next location number, press the NEXT button.
 - To return to the previous location number, press the PREV button.
 - To go to a desired location number, press the SELECT button and then dial the location number.
- 6. Repeat steps 3 to 5.
- 7. To return to the initial programming mode, press the END button.

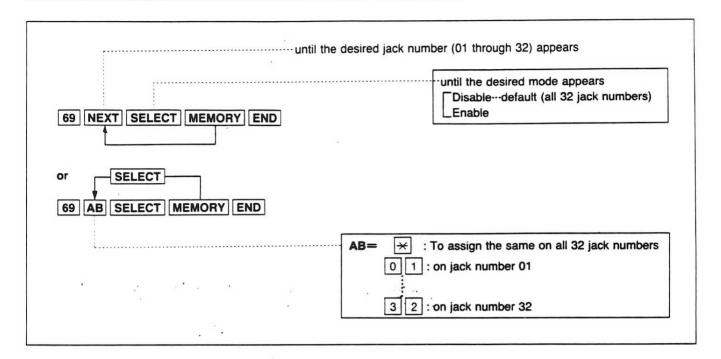
Conditions

• ">=" substitutes for any numbers.

Programming Tables

See page 40.

Standard Telephone Connection with Proprietary Telephone



Description

Through programming, you can select whether the standard telephone which is connected in parallel with the proprietary telephone works or not.

Programming

- Dial (69).
 "Jack NO? → " will be displayed.
- Press the NEXT button or dial the jack number (01 through 32 or
 →).

"#01: Disable" will be displayed and jack number

"Disable" will blink.

3. Press the SELECT button to alternate between "Enable" and "Disable" and select the desired mode.

- Press the MEMORY button.
 The LCD will stop blinking.
- To advance to the next jack number, press the NEXT button.
 - To return to the previous jack number, press the PREV button.
 - To go to a desired jack number, press the SELECT button and then dial the jack number.
- Repeat steps 3 to 5, to program the mode of the other jack numbers.
- 7. To return to the initial programming mode, press the END button.

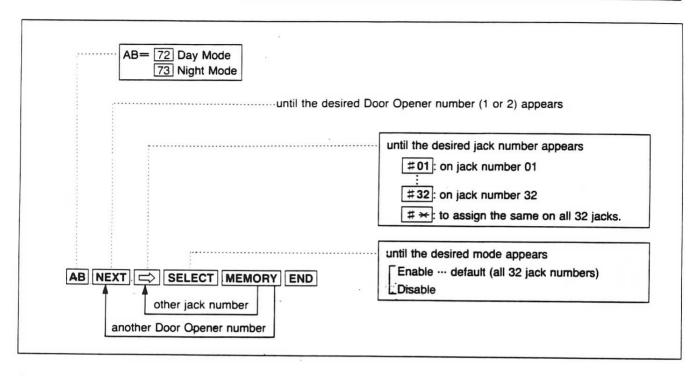
Condition

• If a call reaches KX-T30830, KX-T61630, KX-T123230, or KX-T123235, two types of ring tones sound. This is normal and we recommend you to select "Disable" by programming if you do not use the standard telephone that is connected in parallel.

Programming Table

See page 57.

Assignment of Door Opener



Description

Through programming for Day or Night mode, each extension can be assigned to control two Door Openers. Each Door Opener can be used with a doorphone or an extension phone.

Programming

- 1. Dial (72) for day mode.
 - Dial (73) for night mode.
- 2. Press the NEXT button or dial the Opener number (1, 2 or →).

"DO-1: #01 : Enable" will be displayed.

- "*" means the Opener number "1" and "2".
- Keep pressing the button until the desired jack number appears, or press the button and then dial the jack number.
- 4. Press the SELECT button to alternate between "Enable" and "Disable" and select the desired mode.

- Press the MEMORY button. The LCD will stop blinking.
- 6. To advance to the next jack number, press the □ button.
 - To return to the previous jack number, press the □ button.
 - ●To go to a desired jack number, press the # button and then dial the jack number.
- 7. Repeat steps 4 to 6, to program the assignment of the other jack numbers.
- **8.** Repeat steps 2 to 7, to program the assignment of the other Door Opener.
- To return to the initial programming mode, press the END button.

Programming Table

See pages 58 and 59.

Door Opener for EMSS Proprietary Telephone

When the Door Opener is used with a Doorphone to unlock the Door Opener: While talking with the visitor through the doorphone;





Dial "5"

Press
SP-PHONE

- The Door Opener 1 or 2 will be unlocked corresponding to the Doorphone 1 or 2.
- When the Door Opener is used with an extension (proprietary telephone) to unlock the Door Opener: Hang up after confirming the call then;



Lift handset

or press SP-PHONE







Dial "551

Hang up or press

• For Door Opener 2, dial "552" instead of "551".

Description

You can easily unlock the door for about 5 seconds by dialing a proper code. Up to two Door Openers can be connected to the system.

See page 11 for programming.

Operation

- When the Door Opener is used with a Doorphone to unlock the Door Opener while talking with the visitor through the Doorphone:
- 1. Dial (5).

The confirmation tone will be heard.

The door Opener 1 or 2 corresponding to the

Doorphone 1 or 2 will be switched "ON" to unlock the
door.

2. Hang up or press the SP-PHONE button.

- When the Door Opener is used with an extension (proprietary telephone) to unlock the Door Opener, hang up after confirming the call then:
- 1. Lift the handset or press the SP-PHONE button.
- Dial (551 (or 552)).
 The Door Opener 1 (or 2) will be switched "ON" to unlock the door.
- 3. Hang up or press the SP-PHONE button.

Conditions

- When the power failure is occurred, the Door Opener will be switched "OFF" and the door will not be unlocked.
- To unlock the door for more than 5 seconds, dial (5), (551) or (552) again, and the door will be unlocked for another 5 seconds.
- For installation of Door Opener, see page 8.
- A busy extension will not hear the call waiting tone for a doorphone call.

Door Opener for a Standard Single Line Telephone

■ When the Door Opener is used with a Doorphone: To unlock the Door Opener while talking with the visitor through the Doorphone:









- The Door Opener 1 or 2 will be unlocked corresponding to the Doorphone 1 or 2.
- When the Door Opener is used with an extension (standard single line telephone): To unlock the Door Opener, hang up after confirming the call then:
 - For Door Opener 1.















• For Door Opener 2, dial "552" instead of "551".

Description

You can easily unlock the door for about 5 seconds by dialing. Up to two Door Openers can be connected to the system.

Operation

- When the Door Opener is used with a Doorphone to unlock the Door Opener while talking with the visitor through the Doorphone:
- 1. Flash the hookswitch.
- 2. Dial (5).
- 3. Hang up.

- When the Door Opener is used with an extension (standard telephone) to unlock the Door Opener, hang up after confirming the call then:
- 1. Lift the handset.
- 2. Dial (551 (or 552)). The Door Opener 1 (or 2) will be switched "ON" to unlock the door.
- 3. Hang up.

Conditions

- To unlock the door for more than 5 seconds, dial (5), (551) or (552) again, and the door will be unlocked for another 5 seconds.
- For installation of Door Opener, see page 8.
- A busy extension will not hear the call waiting tone for a doorphone call.

Message Waiting for EMSS Proprietary Telephone

Setting



Lift handset or press SP-PHONE



Dial extension number (100 Through



Confirmation

tension ME



MESSAGE





Hang up or press SP-PHONE

To call you from the extension where the message is left



Lift handset or press SP-PHONE



Press MESSAGE



To cancel the message at the extension where the message is left













Hang up or press SP-PHONE

Description

If the intercom extension you have dialed is busy or does not answer, you can inform the called extension that there is a message which has to be informed. It will be indicated by the MESSAGE indicator.

If the called extension is not provided with the MESSAGE button, you can not leave the message. To change the CO, or DSS button into the message waiting button, see page 4-59 or 4-62 in another Installation Manual.

Operation

Setting

- 1. Lift the handset or press the SP-PHONE button.
- 2. Dial the extension number (100 through 199).
- Press the MESSAGE button.
 A confirmation tone (one beep) will be heard.
 The MESSAGE Indicator of the called party will be lit.
- 4. Hang up or press the SP-PHONE button.

To call the extension which sent the message from the extension where the message is left

- 1. Lift the handset or press the SP-PHONE button.
- Press the MESSAGE button. The MESSAGE Indicator light will go out.
- 3. Start talking.

To cancel the message at the extension where the message is left

- 1. Lift the handset or press the SP-PHONE button.
- 2. Dial (700#)

The MESSAGE Indicator light will go out.

- 3. Hang up or press the SP-PHONE button.
 - All Messages will vanish.

To cancel a message which has been left at an extension from the extension which has sent the message

Dial "700#

- Lift the handset or press the SP-PHONE button.
- 2. Dial the extension number (100 through 199).
- 3. Press the MESSAGE button.
- 4. Press the MESSAGE button, again. A confirmation tone (two beeps) will be heard. The MESSAGE Indicator light of the called extension will go out.
- 5. Hang up or press the SP-PHONE button.

Conditions

- An extension can receive up to eight messages.
- If the MESSAGE Indicator light does not go out after calling the extension which left the message, it means that another message is left. If you have received multiple messages, calling back is done in order or receipt.

But the extension to call can be selected with Proprietary Telephone with LCD.

When the MESSAGE button is pressed with the handset on the cradle and the SP-PHONE button off, the name who left the message or extension number is displayed.

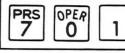
While it is displayed, press the MESSAGE button again. Repeat it until the desired name or extension number appears.

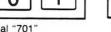
When the desired name or extension number appears, lift the handset and press the MESSAGE button.

Message Waiting for a Standard Single Line Telephone

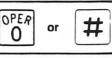
Setting













extension number

Dial "0" or "#"

Canceling a message

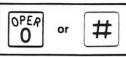














Lift handset

Dial "702"

extension number

Dial "0" or "#'

Description

When the dialed intercom extension is busy or does not answer, a single line telephone can also inform the extension of a receiving sign. Only a telephone which has a MESSAGE button can receive the message.

Operation

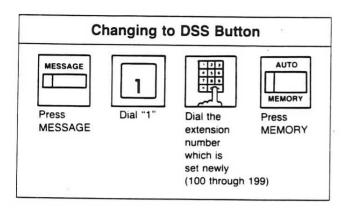
Setting

- 1. Lift the handset.
- 2. Dial (701).
- 3. Dial the extension number (100 through 199).
- 4. Dial (0) or (#).
- 5. Hang up.

Canceling a message

- 1. Lift the handset.
- 2. Dial (702).
- 3. Dial the extension number (100 through 199).
- 4. Dial (0) or (#).
- 5. Hang up.

Flexible MESSAGE (Message Waiting) Button



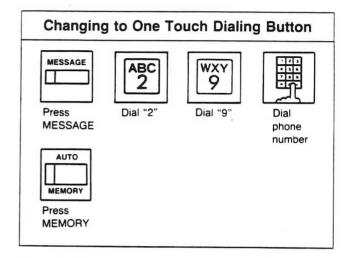
Description

Allows the MESSAGE button to change to a DSS (Direct Station Selection) button.

The proprietary telephone is available.

Operation

- Be sure the handset is on the cradle and use SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".
- 1. Press the MESSAGE button.
- 2. Dial (1).
- 3. Dial the new extension number (100 through 199).
- 4. Press the MEMORY button.
- After programming the MESSAGE button, return the MEMORY switch to the "SET" position.
- To return to the MESSAGE button again, dial (3) and the extension number, then press the MEMORY button.



Description

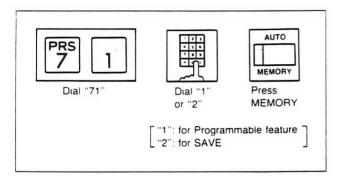
Allows the MESSAGE button to be used as a one touch dialing memory location.

Up to 16 digits can be stored in the MESSAGE button.

Operation

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".
- 1. Press the MESSAGE button.
- 2. Dial (2).
- 3. Dial (9).
 - You may dial 81 through 88 instead of 9.
 - An extension can automatically select an idle line within the CO line enable to call.
 - 81 through 88... An extension can select a trunk group designated.
- 4. Dial the phone number.
- Press the MEMORY button.
- After programming the MESSAGE button, return the MEMORY switch to the "SET" position.
- To return to the MESSAGE button again, dial (3), (9) and the phone number, then press the MEMORY button.

F1/SAVE Selection



Description

The SAVE button is not provided with KX-T30850, KX-T61650, KX-T123250, KX-T7020, KX-T7030 and KX-T7050.

The F1 button can be changed from programmable feature button to the SAVE button.

dial 1 mode programmable feature function dial 2 mode SAVE function

Operation

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".
- 1. Dial (7) (1).
- 2. Dial (1) for the programmable feature function or dial (2) for the SAVE function.
- 3. Press the MEMORY button.
- After programming the F1 button, return the MEMORY switch to the "SET" position.

Last Number Redial

(See page 4-8 in another Installation Manual)

The KX-T7020, 7030, 7050 and 7130 can be used for Automatic Redialing of this feature.

Call Transfer — To Extension (See page 4-18 in another Installation Manual)

Pressing the TRANSFER button is also available to change the party to whom a call is transferred before hanging up.

Press the TRANSFER button to retrieve the call, then repeat the procedure of Call Transfer.

Conditions

- If the called party is busy or does not answer, you may return to the calling party also by pressing the TRANSFER button.
- Transfer Recall Time is changed from "30 seconds or 15 seconds" to "30 seconds or 2 minutes".

Off Hook Call Announcement (OHCA)

(See page 4-23 in another Installation Manual)

The KX-T7130 can be used for this feature.

Changed Features

Toll Restriction

The selective use of this feature permits restricted dialing to specific stations. A Class of Service can be assigned to a particular station which prohibits or limits that station's dialing ability. The following are the available five Classes of Service.

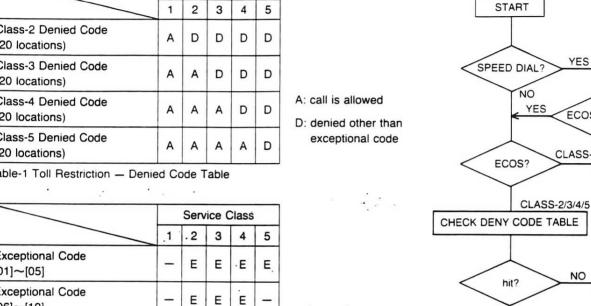
YES

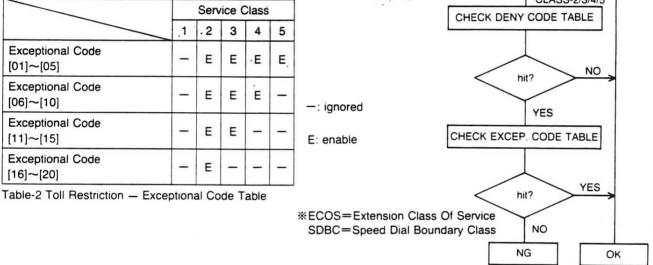
CLASS-1

ECOS>SDBC

NO (≦)

		Serv	ice (Class	
	1	2	3	4	5
Class-2 Denied Code (20 locations)	Α	D	D	D	D
Class-3 Denied Code (20 locations)	Α	Α	D	D	D
Class-4 Denied Code (20 locations)	Α	Α	Α	D	D
Class-5 Denied Code (20 locations)	А	Α	Α	Α	D
Table-1 Toll Restriction — Denied Code Table					



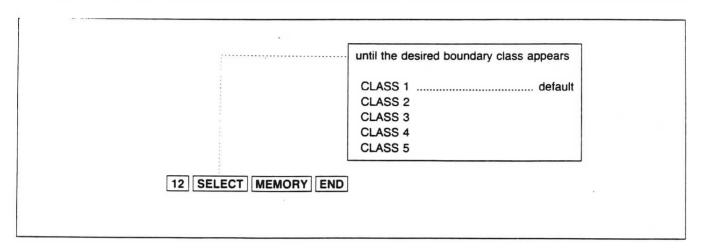


- 1. Service class 1 will allow all calls.
- 2. Service class 2 will deny 20 codes programmed as a denied code and allow 20 codes programmed as an exceptional code (location 01~20).
- 3. Service class 3 will deny 40 codes programmed as CLASS-2 and CLASS-3 denied code and allow 15 codes programmed as an exceptional code (location 01~15).
- 4. Service class 4 will deny 60 codes programmed as CLASS-2, CLASS-3 and CLASS-4 denied code and allow 10 codes programmed as an exceptional code (location 01~10).
- 5. Service class 5 will deny 80 code programmed as CLASS-2, CLASS-3, CLASS-4 and CLASS-5 denied code and allow 5 codes programmed as an exceptional code (location 01~05).

The following should be set.

- "Toll Restriction of System Speed Dialing Boundary Class Assignment" on page 20.
- "Toll Restriction Denied Code Assignment" on page 21.
- "Toll Restriction Exceptional Code Assignment" on page 22.
- "Service Class Assignment of Toll Restriction" on page 28.

Toll Restriction of System Speed Dialing—Boundary Class Assignment



Description

You can select the class service which is free from the speed dialing toll restriction.

Programming

- Dial (12). "Boundary Class-1" will be displayed and "1" will blink.
- 2. Keep pressing the SELECT button until the desired class number appears, or dial the class number (1 through 5).
- Press the MEMORY button. The LCD will stop blinking.
- 4. To return to the initial programming mode, press the END button.

Conditions

If you set boundaries to CLASS 2, the system will allow system speed dialing on service class 1 and class 2, but restrict on service class 3, class 4 and class 5 according to the toll restriction checking.

Refer to page 19.

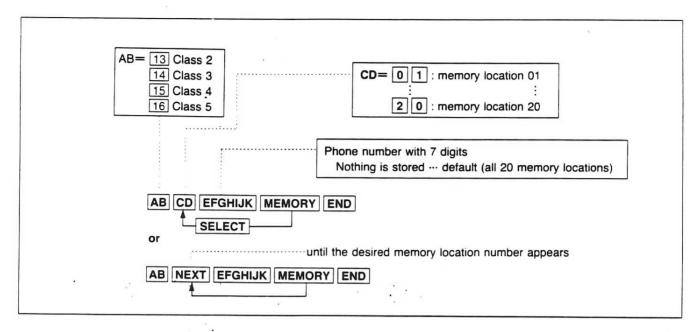
		System Speed Dialing Boundary Class				
	\	1	2	3	4	5
	1	Α	Α	Α	Α	Α
	2	С	Α	Α	Α	Α
Service Class	3	С	С	Α	Α	Α
	4	С	С	С	Α	Α
	5	С	С	C	С	Α

A: allowed C: checked

Programming Table

See page 34.

Toll Restriction—Denied Code Assignment



Description

For Service Class 2, 3, 4 or 5 (see "Toll Restriction") up to 20 phone numbers can be selected for use in toll dialing.

Phone numbers programmed will be denied. All extensions programmed for Service Class Selections shall be assigned to the same denied code assignment plan.

Programming

- 1. Dial (13) for class 2.
 - Dial (14) for class 3.
 - Dial (15) for class 4.
 - Dial (16) for class 5.
 "Code NO? → " will be displayed.
- Dial (01 through 20) or press the NEXT button.Example:

When dial (01) or press the NEXT button.

• The LCD will show "01: ······ when nothing is stored in memory location number "01".
When the phone number 212 ★★★ has been stored, "01: 212 ★★★★" will be displayed.

- 3. Dial the 7-digit phone number.
 - To erase a wrong entry, press the CLEAR button.
- 4. Press the MEMORY button.
 - The MEMORY indicatior will be lit.
- To advance to the next memory location number, press the NEXT button.
 - To return to the previous memory location number, press the PREV button.
 - To go to a desired memory location number, press SELECT button and dial the memory location number.
- 6. Repeat steps 3 to 5.
- 7. To program denied code to another class, go to step 1.
- To return to the initial programming mode, press the END button.

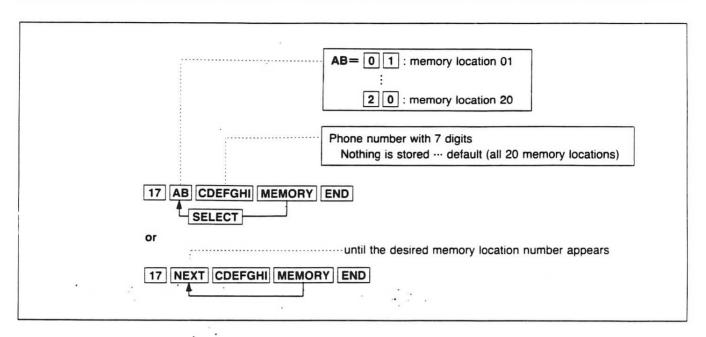
Conditions

- Each phone number should consist of 7 digits.
- * substitutes for any numbers.

Programming Table

See pages 34 and 35.

Toll Restriction—Exceptional Code Assignment



Description

Through programming, the desired extensions will be allowed to dial the phone numbers which are restricted by "Denied Code Assignment". For Service Class 2, 3, 4 or 5 up to 20 phone numbers can be selected.

Programming

- Dial (17).
 "Code NO? → " will be displayed.
- Dial (01 through 20) or press the NEXT button. Example:

When dial (01) or press the NEXT button.

- The LCD will show "01: ······" when nothing is stored in memory location number "01". When the phone number 1800 ★ ★ has been stored, "01: 1800 ★ ★ ★" will be displayed.
- 3. Dial the 7-digit phone number.
 - To erase a wrong entry, press the CLEAR button.
- 4. Press the MEMORY button.
 - The MEMORY indicator will be lit.*--
- To advance to the next memory location number, press the NEXT button.
 - To return to the previous memory location number, press the PREV button.
 - To go to a desired memory location number, press the SELECT button and dial the memory location number.

- 6. Repeat steps 3 to 5.
- To return to the initial programming mode, press the END button.

Conditions

- Each phone number should consist of 7 digits.
- * substitutes for a number.

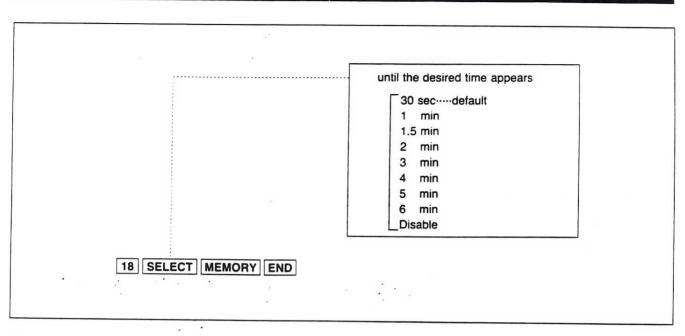
Programming Table

See page 35.

Applicable range to Service Class

Exceptional Code		Service	Class	
	2	3	4	5
01	1	1	1	1
02				
03				
04	1			
05				
06				
\$				
10				
11			-	
\$				
15			-	
16		•		
\$				
20				

Hold Recall Time Set



Description

When the handset of the holding extension is replaced on call, you may have the automatic hold recall after the desired time elapses. The hold recall can be removed or added.

Programming

- Dial (18).
 "Time: 30 sec" will be displayed and "30 sec" will blink.
- 2. Keep pressing the SELECT button until the desired time is displayed.
- 3. Press the MEMORY button. The LCD will stop blinking.
- 4. To return to the initial programming mode, press the END button.

Example:

Programming Table

See page 35.

Incoming/Outgoing Call Selection for printing

until the desired mode appears

Outgoing: On to print outgoing calls default

Outgoing: Off to stop printing

Outgoing: Toll to print only outgoing toll calls

until the desired mode appears

(Incoming: On to print incoming calls default

Incoming : Off to stop printing

25 SELECT MEMORY NEXT SELECT MEMORY END

Description

It is possible to print either outgoing calls or outgoing toll calls, and/or incoming calls. When "Outgoing: Toll" is selected, outgoing calls to the phone numbers which are programmed in "Toll Restriction — Denied Code Assignment" on page 21 are printed out.

Programming

- Dial (25). "Outgoing: On" will be displayed and the "On" will blink.
- Press the SELECT button to alternate between the "On", "Off" and "Toll" and select the desired mode.
- 3. Press the MEMORY button. The LCD will stop blinking.
- Press the NEXT button. "Incoming: On" will be displayed and the "On" will blink.
- **5.** Press the SELECT button to alternate between "On" and "Off" and select the desired mode.
- Press the MEMORY button. The LCD will stop blinking.
- 7. To return to the initial programming mode, press the END button.

Programming Table

See page 37.

System Data Dump

	until the Stop Output appears T MEMORY END
All ParametersSystem ParameterSpeed Dial	until desired data dump mode appears All Para default SystemPara Speed Dial
• CO Parameter (Outside)	MEMORY ENDuntil the CO Para appears
27 SELEC ● Extension Parameter	AB= : to assign the same on all 12 CO's O 1: on CO 01 1 2: on CO 12 T MEMORY AB MEMORY END
	until the EXT Para appears AB= ∴ to assign the same on all 32 jack numbers □ □ □ : on jack number 01 ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴
● DSS Parameter	T MEMORY AB MEMORY END until the DSS Para appears A= ★: to assign the same on all 2 DSS's 1: on DSS 1 2: on DSS 2
27 SELEC	MEMORY A MEMORY END

Description

Six separate printouts are available.

They are (1) System parameters (2) CO parameters (3) Extension parameters (4) DSS Console parameters (5) Speed dial and (6) All parameters.

(1) System parameters

- [00] Date and Time Setting
- [02] Extension Number Assignment
- [03] Operator Extension
- [04] Paired Telephone Assignment for DSS Console
- [05] Automatic CO Transfer Using DSS Button
- [06] Day/Night Service Mode
- [07] Day/Night Starting Time
- [08] Call Hunting
- [09] Hunting Type
- [12] Toll Restriction of System Speed Dialing
- [13] Class-2 Denied Code Assignment
- [14] Class-3 Denied Code Assignment
- [15] Class-4 Denied Code Assignment
- [16] Class-5 Denied Code Assignment
- [17] Exceptional Code Assignment
- [18] Hold Recall Time Set
- [19] Transfer Recall Time
- [20] Call Forwarding Starting Time
- [21] Pickup Dial Delay Time
- [22] CO-to-CO Duration Time Limit
- [23] RS-232C Communication Parameters
- [24] SMDR Parameters
- [25] Incoming/Outgoing Call Selection for printing
- [26] Secret Speed Dial/One Touch Dial Printing
- [28] Duration Time Count Start Mode
- [29] External Paging Access Tone
- [30] DTMF Receiver Selection
- [31] Direct Inward System Access
- [32] Off Premise Extension
- [33] Off Hook Call Announcement
- [35] Carrier Codes Assignment
- [44] Trunk Group Assignment
- [70] Day Door-Phone
- [71] Night Door-Phone

(2) CO parameters

- [40] CO Connection Assignment
- [41] Dial Mode
- [42] Pulse Speed Selection
- [43] Host PBX Access Codes Assignment
- [44] Trunk Group Assignment
- [45] Flexible Outward Dialing Assignment-Day
- [46] Flexible Outward Dialing Assignment-Night
- [47] Flexible Ringing Assignment-Day
- [48] Flexible Ringing Assignment-Night
- [49] Delayed Ringing Assignment-Day
- [50] Delayed Ringing Assignment-Night
- [51] CO Day Mode Assignment
- [52] CO Night Mode Assignment
- [53] Pause Time Assignment
- [54] Hookswitch Flash Timing
- [55] Calling Party Control Signal
- [56] Disconnect Time
- [57] Automatic Designated CO Line Access

(3) Extension parameters

- [Type] Telephone Type
- [60] Extension Group Assignment
- [61] Service Class Assignment of Toll Restriction-Day
- [62] Service Class Assignment of Toll Restriction-Night
- [63] Extension Name
- [64] Account Code Input Mode
- [65] Call Transfer to Outside Line
- [66] Call Forwading to Outside Line
- [67] Executive Override
- [68] Do not Disturb Override
- [69] Standard Telephone Connection with Proprietary Telephone
- [72] Day Door Opener
- [73] Night Door Opener
- [PF] Feature Button
- [CO] Flexible Key
- [MW] Flexible MW Key

• If KX-T30830 is connected to an extension, [CO] Flexible Keys 01 through 12 show the following button assignment:

[CO] 01 ··· CO1	[CO] 08 ··· DSS4
[CO] 02 ··· CO2	[CO] 09 ··· DSS5
[CO] 03 ··· CO3	[CO] 10 ··· DSS6
[CO] 05 ··· DSS1	[CO] 11 ··· DSS7
[CO] 06 ··· DSS2	[CO] 12 ··· DSS8
[CO] 07 ··· DSS3	

(4) DSS Console parameters

[Pair] Pair Extension No.[DS] DSS Button Assignments[PF] Programmable Feature Button

(5) Speed Dial

[01] System Speed Dialing Entry Speed access codes (00 through 99) in which phone numbers are stored may be printed.

(6) All parameters

System parameters CO parameters Extension parameters DSS parameters Speed Dial

Operation

To stop the printout;

- 1. Dial (27).
- Keep pressing the SELECT button until "Stop Output" is displayed.
- 3. Press the MEMORY button.

To print System Parameters, Speed Dial or All Parameters;

- 1. Dial (27).
 - "Menu: All Para" will be displayed and "All Para" will blink.
- Keep pressing the SELECT button until the desired data dump mode is displayed.
- Press the MEMORY button. SMDR printer will print out.
- 4. Repeat steps 2 to 3, to print the other data dumps.

To print CO Parameters;

- 1. Dial (27).
- 2. Keep pressing the SELECT button until the "CO Para" is displayed.
- Press the MEMORY button.
 "CO NO? → " is displayed.
- Dial the CO number (01 through 12).
 When dialing (01),
 "CO NO? → 01" will be displayed.
- Press the MEMORY button. SMDR printer will print out.
- 6. Repeat steps 4 to 5, to print the other CO parameter.

To print Extension Parameters;

- 1. Dial (27).
- Keep pressing the SELECT button until the "EXT Para" is displayed.
- Press the MEMORY button.
 "Jack NO? →" will be displayed.
- Dial the jack number (01 through 32).
 When dialing (01),
 "Jack NO? → 01" will be displayed.
- Press the MEMORY button. SMDR printer will print out.
- 6. Repeat steps 4 to 5, to print the other jack number.

To print DSS Console Parameters;

- 1. Dial (27).
- Keep pressing the SELECT button until the "DSS Para" is displayed.
- Press the MEMORY button.
 "DSS NO? →" will be displayed.
- Dial the DSS number (1 or 2).
 When dialing (1),
 "DSS NO? → 1" will be displayed.
- Press the MEMORY button. SMDR printer will print out.
- Repeat steps 4 to 5, to print the other DSS Console parameter.

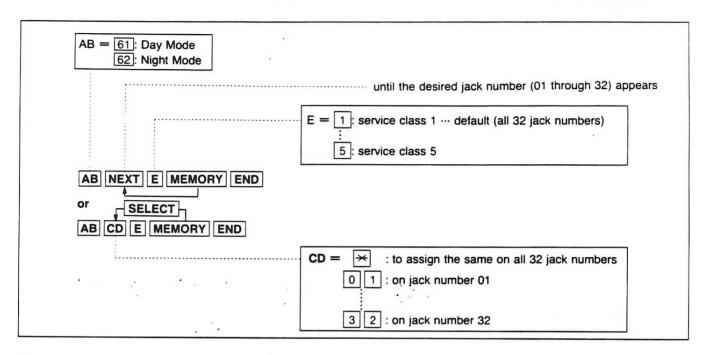
After completing printing, to return to the initial mode;

1. Press the END button.

Programming Table

See page 38.

Service Class Assignment of Toll Restriction



Description

Toll restriction can help eliminate phone calls abuse and control cost.

There are five classes of service available for each extension.

	Service Class Selections				
	Allowed	Denied			
1	All calls				
2	20 codes programmed (Exceptional Code Assignment location 01~20)	20 codes programmed (Class 2 Denied Code Assignment)			
3	15 codes programmed (Exceptional Code Assignment location 01~15)	40 codes programmed Class 2 Denied Code Assignment Class 3 Denied Code Assignment			
4	10 codes programmed (Exceptional Code Assignment location 01~10)	60 codes programmed Class 2 Denied Code Assignment Class 3 Denied Code Assignment Class 4 Denied Code Assignment			
5	5 codes programmed (Exceptional Code Assignment location 01~05)	80 codes programmed Class 2 Denied Code Assignment Class 3 Denied Code Assignment Class 4 Denied Code Assignment Class 5 Denied Code Assignment			

[•] For Class 2, 3, 4, 5 Denied Code Assignment, see page

Programming

- 1. Dial (61) for day mode.
 - Dial (62) for night mode.
 "Jack NO? →" will be displayed.
- Press the NEXT button or dial the jack number (01 through 32).
 #01: Class-1" will be displayed and "1" will blink.
 jack number
- 3. Press the service class number (1 through 5).
- Press the MEMORY button. The LCD will stop blinking.
- To advance to the next jack number, press the NEXT button.
 - To return to the previous jack number, press the PREV button.
 - To go to the desired jack number, press the SELECT button and then dial the jack number.
- Repeat steps 3 to 5, to program the assignment of the other jack numbers.
- To return to the initial programming mode, press the END button.

Programming Table

See pages 54 and 55.

Example:

Application of denied dial number and exceptional dial number to service class 2, 3, 4 and 5.

Service	Denied Dial	Exceptional
Class	Number	Dial Number
	200 ***	2201 ***
2	8/ 8	2301 ×××
		2401 ×××
	200 ***	2301 ×××
3	333 ××××	2401 ×××
	200 ××××	2401 ×××
4	333 ××××	
	444 ××××	
	200 ××××	
5	333 ***	
	444 ××××	

Exceptional Code

Code

01

02 03

04

.05

06

07 08

09 10

11

12

13 14

15

16

17 18

19

20

Dial No.

2401 ×××

■ Entry of dial number to a code (memory location)

Class-2 Denied Code

Code	Dial No.
01	200 * * * *
02	
5	,
20	

Class-3 Denied Code

Code	Dial No.
01	333 ××××
02	
5	
20	

Class-4 Denied Code

Code	Dial No.
01	444 × × × ×
02	
5	
20	

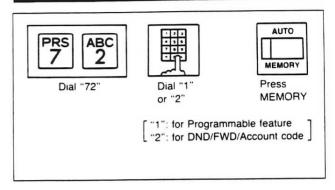
Class-5 Denied Code

Code	Dial No.
01	
5	
20	

follows. (See page 4-65 in another Installation Manual.)

• "F3-One Touch Button Mode Selection" is changed as

F3-FWD/DND Button Selection (for KX-T7050, KX-T123250, KX-T61650, KX-T30850)



Description

The F3 button can be changed from programmable feature button to call forwarding/do not disturb/account code button.

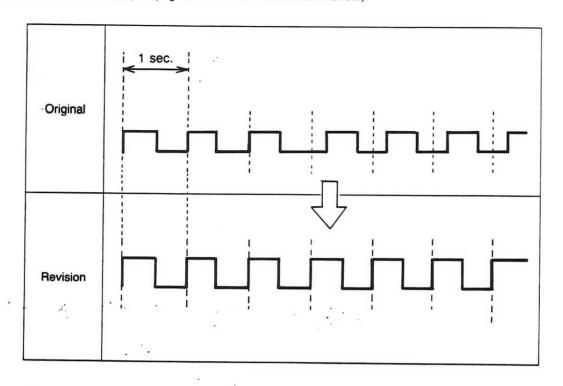
dial 1 mode programmable feature function
dial 2 mode call forwarding/do not disturb/account
code function

Operation

Setting

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".
- Dial (7) (2). "Feature Button" will be displayed.
- 2. Dial (1) for programmable feature function or dial (2) for call forwarding/do not disturb/account code function.
- 3. Press the MEMORY button.
- After programming the F3 button, return the MEMORY Switch to the "SET" position.

● Busy tone is revised as follows (see page 6-7 in another Installation Manual):



Canceled Features

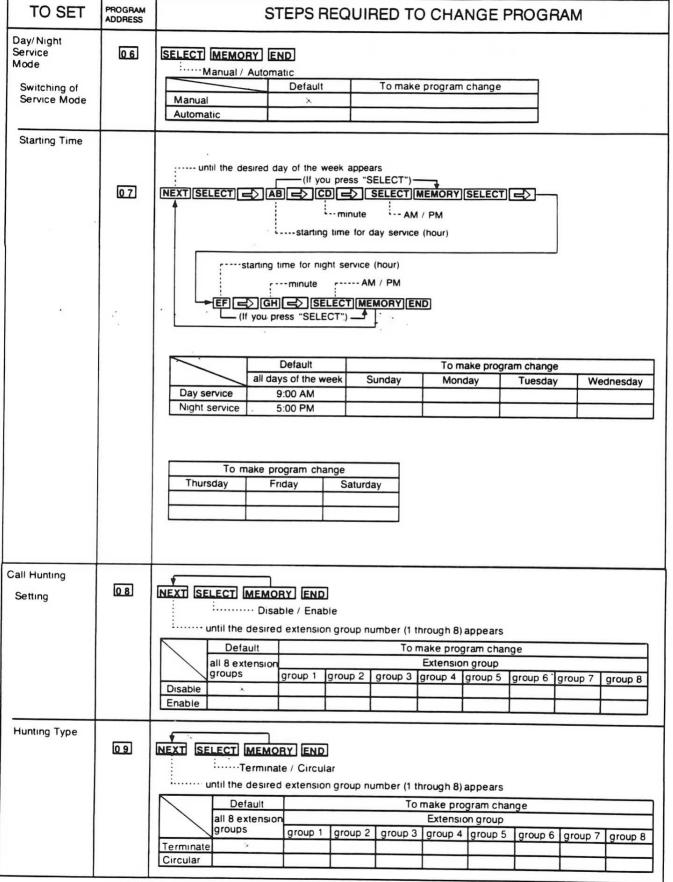
The listed features are canceled from KX-T123211D.

Page of Installation Manual	Program address	Title
3-18	10	Area Type Selection
3-19	. 11	CO Operator Call — Boundary Class
3-25	17	Hold Time Reminder

PROGRAMMING TABLE

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM								
Date and Time Setting	0.0	AB SELECT SELECT SELECT MEMORY END yearmonthdayday of the week								
System Speed Dialing Entry	Q1 OR AUTO	SELECT AB CD phone number MEMORY END 9: automatic line access number 8 1 through 8 8: access number of Trunk Group Speed access code (00 through 99)								
Extension Number Assignment	0.2	NEXT CDE MEMORY ENDdial the extension number (100 through 199)until the desired jack number (01 through 32) appears								
		Jack NO 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 EXT NO (default) (change) 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116								
		Jack NO 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 EXT NO (default) (default) 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 EXT NO (change) 13 13 13 13 13 13								
Operator Assignment	03	NEXT AB MEMORY END dial the jack number set operator (01 through 32) until the desired operator number (1 or 2) appears Jack number set operator Operator 1 Jack number set operator Operator 2								
Paired Telephone Assignment for DSS Console	04	NEXT AB MEMORY NEXT CD MEMORY END dial the jack number paired with console 2 (01 through 32) dial the jack number paired with console 1 (01 through 32) Jack number paired with Console 1 Default To make program change Jack number paired with Console 2								
Automatic CO		To make program change								
Transfer Using DSS Button	0.5	SELECT MEMORY END :								

32



TO SET	PROGRAM ADDRESS		ST	EPS REC	QUIRED	ТО СНА	NGE PF	ROGRAM	
Toll Restriction	12	SELE	CT MEMORY	(END					
- System	12		······CLASS1/		4553/CL 45	SA/CI ASS	5		
Speed Dialing			OLAGO!	Default		make progra			
		CLA	SS 1	X		make progre	ani change		
			SS 2						
		CLA	SS 3						
			SS 4						
		CLA	SS 5						
Toll Restriction									
- Class 2 Denied	13	NEXT	E MEMOR						
Code			phone r						
Assignment		i	···· until the de	sired memor	y location r	number (01	through 20) appears	
					Memo	ory location n	umber		
				01	02	03	04	05	
				06	07	08	09	10	
			Phone number						
	2		Phone number	11	12	. 10	14	15	
			entry		12 .	13	14	15	
				16	17	18	19	20	
				,,,		10	10	-20	
- Class 3 Denied Code Assignment	14	NEXT	E MEMORY phone until the des	number with		umber (01 t	hrough 20)	appears	
					Memo	ory location n	umber		
				01	02	03	04	05	
				- 00					
				06	07	08	09	10	
			Phone number						
			entry	11	12	13	14	15	
			,		· · · · · · · · · · · · · · · · · · ·			,,,	
				16	17	18	19	20	
- Class 4 Denied		•							
Code	15	NEXT	E MEMOR						
Assignment			phone						
		******	····until the des	sired memor				appears	
						ry location n			
	1			01	02	03	04	05	
			*1.	06	07	08	09	10	
				- 00	- 0,	- 00	03	10	
			Phone number						
			entry	11	12	13	14	15	
			PO LOS HORSES AND						
							25		
				16	17	18	19	20	
i									

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM								
- Class 5 Denied Code Assignment	16		T E MEMORY phone n	umber wit	-	n number (01	through 20	annears		
			dritti tile des) appears	_					
				01	Me	mory location 03	number 04	05	4	
				- 01	02	- 03	04	05	+	
				06	07	08	09	10		
			Phone number							
			entry	11	12	13	14	15	\dashv	
								1.0	7	
				16	17	18	19	20	_	
Toll Restriction -										
Exceptional Code		_]		1 10				
Assignment	17	NEXT	AB C MEM	IORY EN	D					
			·	ne numbe	r with 7 dig	nite				
			uniii ine	desired if		ation numbe		h 20) appea	ars	
			-	01	Mer 02	nory location i				
				- 01	02	03	04	05	1	
				06	07	08	09	10	1	
			Phone number							
			entry	11	12	13	14	45	1	
					1 ,2	13	14	15	1	
				16	17	18	19	20]	
Hold Recall Time Set	18	SELE	MEMORY	END						
		i	30 sec / 1 i	min / 1.5 n	nin / 2 min	/ 3 min / 4 n	nin / 5 min /	6 min / Die	abla	
			0000 000000 01 1100	30		1.5 2				
				seconds			3 4 minutes min	4 5	6 minutes	Disable
		Defau		X			111111	dico minutes	minutes	
		10 ma	ake program chan	ge						
Transfer Recall	19	SELEC	MEMORY	END						
Time		OLL.	MEMORT	END						
			*							
		<u> </u>	····· 30 sec / 2 n	nin						
				Default	To	make progra	m change			
		30 se		×			90			
		2 min								
							*			

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM									
Call Forwarding Starting Time	20	SELECT MEMORY END :1 ring delay / 2 rings delay / 3 rings delay / 4 rings						ay			
l			Defaul	it	Ton	nake pro	gram cha	ange			
		1 ring delay									
	1	2 rings delay									
		3 rings delay	×						_		
		4 rings delay									
Pickup Dial Delay Time	21	SELECT MEMORY :1 sec / 2 s		/ 4 sec	i.s.						
			Defaul	t	Топ	nake pro	gram cha	ange			
	1	1 sec									
		2 sec							_		
		3 sec	×						_		
		4 sec									
CO-to-CO Duration Time Limit	22	AB MEMORY END	time (1 mi				ogram ch	ange	\neg		
		minute	· 10								
SMDR RS-232C Communication Parameters	23	(Carriage return for a n									
			Defau	ilt	Tor	nake pro	ogram ch	ange			
		CR+LF	×								
		CR									
		(Baud rate) NEXT SELECT ME :1108	MORY 150B / 3	00B / 60	0B / 120	0B / 240	0B / 480	0B / 960	0B		
				110B	150B	300B	600B	1200B	2400B	4800B	9600B
		Default						×			
		To make program c	hange								
		1									
		(Word length) NEXT SELECT ME :7 bit	s / 8 bits								
		NEXT SELECT ME	s / 8 bits Defau	ult	То	make pro	ogram ch	nange	\exists		
		NEXT SELECT ME	s / 8 bits	ult	То	make pro	ogram ch	nange	\exists		

TO SET	PROGRAM ADDRESS		STEPS	REQUIF	ED TO	CHANGE	PROGI	RAM	
SMDR (cont.)		(Parity) NEXT SELECT MI		Space / Ever	/ Odd		,		
				None	Mark	Space	Even	Odd	
		Default			×				
		To make program c	hange						
		(Stop bit length) NEXT SELECT ME :1 bit		ND					
			Defaul	lt	To make pro	ogram chang	е		
		1 bit	×						
		2 bits							
SMDR Parameters	24	(Page length) AB MEMORY :4 through	Defaul		make progr	am change			
		Lines per page	66						
		(Skip perforation) NEXT AB MEMOR		lines					
		i 0 t	hrough 95 l Defaul		make progra	am change			
		Skipping lines			make progra	am change			
Incoming/ Outgoing Call Selection for printing	25		Defaul 0	t To	ORY END]			
Outgoing Call Selection for	25	Skipping lines SELECT MEMORY	Defaul 0	LECT MEM	ORY END] Iff	Incom		
Outgoing Call Selection for	25	Skipping lines SELECT MEMORY	Defaul 0	LECT MEM	ORY END]	ON	ning OFF	
Outgoing Call Selection for	25	Skipping lines SELECT MEMORY Outgoing : On	Defaul 0	LECT MEM	ORY END] Iff			
Outgoing Call Selection for	25	Skipping lines SELECT MEMORY :	Defaul 0 NEXT SE //Off/Toll	LECT MEM	ORY END] Iff	ON		
Outgoing Call Selection for printing Secret Speed Dial / One Touch Dial		Skipping lines SELECT MEMORY :	Defaul 0 NEXT SE //Off/Toll	LECT MEM ON X	ORY END oming : On/O Outgoing OFF	TOLL	ON		
Outgoing Call Selection for printing Secret Speed Dial / One Touch Dial		Skipping lines SELECT MEMORY : Outgoing : On Default To make program cha	Defaul 0 NEXT SE //Off/Toll inge END / Printing	LECT MEM ON X	ORY END	TOLL	ON		

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM
SMDR (cont.) System Data Dump	27	All Parameters System Parameter Speed Dial Stop Output SELECT MEMORY END All Para / System Para / Speed Dial / Stop Output CO Parameter
= =		SELECT MEMORY AB MEMORY ENDdial the CO number (01 through 12)until the CO Para appears Extension Parameter
	-	SELECT MEMORY AB MEMORY END dial jack number (01 through 32) until the EXT Para appears DSS Parameter SELECT MEMORY A MEMORY END dial DSS number (1 or 2) dial DSS Para appears
Duration Time Count Start Mode	28	SELECT MEMORY END Instantly / 5s after dial / 10s after dial / 15s after dial
		Default To make program change Instantly 5s after dial × 10s after dial 15s after dial
External Paging Access Tone	2.9	NEXT SELECT MEMORY END
		External paging External paging equipment 1 and 2 1 2
DTMF Receiver Check	30	NEXT SELECT MEMORY END Enable/Disable until the desired DTMF receiver appears Default To make program change
		DTMF receiver 1, 2, 3 1 2 3 Enable X Disable

Control code "w"	TO SET	PROGRAM ADDRESS	S	TEPS RE	QUIRED	TO CHAN	IGE PRO	GRAM	
Care Desable Desable To make program change Desable Desable	System Access	31	0. 0. 0. 0.0000000000000000000000000000	IEMORY					
Enable Default Dorault To make program change (Protong time) NEXT SELECT SELECT MEMORY Default To make program change (Answer delay time) NEXT SELECT SELECT MEMORY NEXT SELECT SELECT MEMORY NEXT SELECT SELECT MEMORY NEXT SELECT SELECT MEMORY To make program change (Tone detect) NEXT SELECT SELECT MEMORY None Security / Trunk Security All Security Default To make program change (Remote security code) NEXT SELECT CODE NO. MEMORY NEXT SELECT SELECT SELECT CODE NO. MEMORY User Code 1 / User Code 2 / User Code 3 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2 / User Code 4 User Code 1 / User Code 2	, , , , ,	ر تعا		Class Remain and					
CProlong time			····· Er	able / Disable		,			
Disable			Fachle			To mak	e program cha	nge	
(Prolong time) NEXT SELECT SELECT MEMORY 2 min / 4 min / 5 min 2 min / 4 min / 5 min 4 minutes 5 minutes 2 minutes 3 minutes 4 minutes 5 minutes 2 minutes 4 minutes 5 minutes 2 minutes 4 minutes 5 minutes 15 seconds 15					X				
Can 2 min 4 min 5 min 2 minutes 3 minutes 4 minutes 5 minutes 5 minutes 1 minutes 5 minutes 1 minutes				_	to				
Default SELECT SELECT MEMORY			NEXT SELECT SEL	ECT MEMO	RY			(x	
Default X X X X X X X X X				2 min / 3	3 min / 4 min /	5 min			
Default					2 minutes	3 minutes	4 minutes	5 minute	s
(Answer delay time) NEXT SELECT SELECT MEMORY	127								
NEXT SELECT SELECT MEMORY			To make progr	am change					
Default To make program change			(Answer delay time)						
Default To make program change To make program change			NEXT SELECT SEL	ECT MEMOI	RY				
To make program change X	•	2		···· 0 sec / 5	sec / 10 sec /	15 sec			
(Tone detect) NEXT SELECT SELECT MEMORY Enable / Disable Enable X Disable Enable X Disable (Security type) NEXT SELECT SELECT MEMORY None Security / Trunk Security / All Security / All Security / All Security Default To make program change (Remote security code) NEAT SELECT CODE No. MEMORY 4 digits (0000 through 9999) Default To make program change (User security code) NEXT SELECT CODE No. MEMORY END 4 digits (0000 through 9999) 1 Default To make program change Default To make program change 1 Default To make program change Default To make program change 1 Default To make program change Default To make program change 1 Default To make program change Default To make program change		*			0 second	5 seconds	10 seconds	15 second:	s
(Tone detect) NEXT SELECT SELECT MEMORY Default To make program change Enable X Disable (Security type) NEXT SELECT SELECT MEMORY None Security / Trunk Security / All Security Default None Security Trunk Security Trunk Security Trunk Security All Security Default Y Trunk Security Trunk Security All Security Default To make program change (Remote security code) NEXT SELECT CODE No. MEMORY Default To make program change (User security code) NEXT SELECT CODE No. MEMORY END "" 4 digits (0000 through 9999) "" User Code 1 / User Code 2 / User Code 3 / User Code 4 Delault To make program change User Code 1 / User Code 2 / User Code 4							×		
NEXT SELECT SELECT MEMORY			4	am change	<u> </u>				
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Default To make program change	1	ı		····· Enable /	Disable				
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NEXT SELECT SELECT MEMORY None Security / Trunk Security None Security Trunk Security Default To make program change (Remote security code) NEXT SELECT CODE No. MEMORY			Disable						
None Security / Trunk Security None Security			(Security type)						
None Security Trunk Security All Security			NEXT SELECT SEL	ECT MEMOR	RY				
Default To make program change (Remote security code) NEAT SELECT CODE No. MEMORY Default To make program change 70000 (User security code) NEXT SELECT CODE No. MEMORY END WEXT SELECT SELECT CODE No. MEMORY END User Code 1 / User Code 2 / User Code 4 Default To make program change User code 1 60000	×			····· None Se	curity / Trunk S urity	Security			
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NEXT SELECT CODE No. MEMORY			To make progr	am change					
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(User security code) NEXT SELECT SELECT CODE No. MEMORY END						To make	program chang	ge	
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User Code 1 / User Code 2 / User Code 3 / User Code 4 Default To make program change User code 1 60000				:			9)		
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User code 3 60000									
User code 4 60000			User code 4	J 60000					

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM
Off Premise Extension	32	SELECT MEMORY END Disable / Enable Default To make program change Enable Disable ×
Off Hook Call Announcement (OHCA)	33	SELECT MEMORY END Disable / Enable Default To make program change Enable × Disable
System Working Report	34	SELECT MEMORY END Dump Start / Dump Stop / SWR Data Clear Default To make program change Dump Start X Dump Stop SWR Data Clear
Carrier Codes Assignment	35	NEXT C MEMORY END

Assignment Assign	TO SET	PROGRAM ADDRESS		STE	PS RE	QUI	RED	то	CHA	NGE	E PR	OG	RAM	1		
NEXT SELECT MEMORY END		40	until t	Default	nect / No	er (01 t	hrough	o mak	e prog	mber		,	10	11	12	2
All CO's CO number CO nu	DTMF / Pulse / Call Blocking	41	i	···· DTMF I	Mode / Pu CO num				ppear	S						
Tone (DTMF) Mode x				Def	ault				Toma	ke pro	gram	charge	е			
Tone (DTMF) Mode X				all C	O's					CO	numbe	r				
Pulse Speed Selection 42 NEXT SELECT MEMORY END Low Speed / High Speed until the desired CO number (01 through 12) appears Default To make program change CO number 01 02 03 04 05 06 07 08 09 10 11 12 Low Speed High Speed High Speed NEXT AH MEMORY END until the desired CO number (01 through 12) appears CO Outside access codes of the host PBX 01 02 03 04 05 06 07 08 09 10 11 12 NEXT AH MEMORY END OUTSIde access codes of the host PBX 01 02 03 04 05 06 07 08 09 10 11 12 NEXT AH MEMORY END OUTSIde access codes of the host PBX 01 02 03 04 05 06 07 08 09 10 11 12 NEXT AH MEMORY END OUTSIde access codes of the host PBX 01 02 03 04 05 06 07 08 09 10 11 12 NEXT AH MEMORY END			T (DTUE) II			01 (02 03	04	05	06	07	08	09	10	11	12
Call Blocking Mode Pulse Speed Selection 42 NEXT SELECT MEMORY END		l s		ode >	·	.5	•	4	+	-	-		_			
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MEXT SELECT MEMORY END Low Speed / High Speed Default To make program change CO number O1 D2 O3 O4 O5 O6 O7 O8 O9 10 11 12 O3 O4 O5 O6 O7 O8 O9 O9			- Can Diocking Wit	ode												
Low Speed		4.2	NEXT SELECT	MEMORY	[END]											
Host PBX Access Codes Assignment Low Speed		42		the desired	eed / Hig CO num			13 1 83	201		ram c	hange				
Host PBX Access Codes Assignment Line Speed NEXT AH MEMORY END Line Up to 8 outside access codes each with a maximum of 2 digits Line until the desired CO number (01 through 12) appears CO Outside access codes of the host PBX 01 02 03 04 05 06 07		42		the desired	eed / Hig CO numi	ber (01	through	T	o mak	e prog		hange				
Host PBX Access Codes Assignment WEXT AH MEMORY END		42	until	the desired Defa all Co	eed / Hig CO numi	ber (01	through	T	o mak	e prog	mber			10	11	12
Assignment Assign		42	Low Speed	the desired Defa all Co	eed / Hig CO numi	ber (01	through	T	o mak	e prog	mber			10	11	12
09 - 10 10 1 10 1 10 1 10 1 10 1 10 1 10		42	Low Speed	the desired Defa all Co	eed / Hig CO numi	ber (01	through	T	o mak	e prog	mber			10	11	12
	Selection Host PBX Access Codes		Low Speed High Speed NEXT AH N OC 01 02 03 04 05 06 07 08 09 10	Defa all Co	eed / Hig CO num ult O's C	accesser (01 t	through	04 each (12) app	05 with a	e prog CO nu 06	mber 07	08	09	10	11	12
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			CO 3	2rings	_	Н		\dashv		-	Н	\vdash		Н	\dashv	-	\vdash			
				3rings		П		\neg	\neg	\neg				Н					Н	-
	1			Immdtly															\dashv	
			60.4	1ring																
4		,	CO 4	2rings																
	2.	0 9		3rings	×					٠.										
				Immdtly																
			CO 5	1ring	Щ		\dashv	_	_	_										
				zrings	-	\Box	\dashv	-	-	\dashv	\Box	_	_		_	_		Щ		
				3rings Immdtly		-	-	-	-	-	_	-	-	_	_	_			_	
				1ring	*	\dashv	\dashv	\dashv	┥	\dashv	-	-	\dashv	-	\dashv	\dashv	\dashv		\dashv	_
			CO 6	2rings	\dashv	\dashv	\dashv	┪	-	\dashv		-	\dashv	\dashv	-	\dashv	\dashv		-	-
				3rings	\neg	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	\dashv	-	\dashv	\dashv	\dashv	\dashv	\dashv	-
				Immdtly			\dashv	_					_	_				\dashv	\dashv	_
				1ring				7	\dashv			\neg	\neg		_	\dashv	\dashv	-		\dashv
			CO 7	2rings				┪	\neg			\neg	\neg		\dashv	\dashv	\neg		7	\dashv
		,		3rings											7	\neg	\neg		\neg	\neg
				Immdtly				\Box	\Box											
			CO 8	1ring			_	\perp	\Box		\Box	\Box			\Box					
			000	2rings	\perp	4	4	1	4	_	_	_	\Box		\Box			\Box	\Box	
				3rings	_	-	4	+	4	-	_	_	_		_	4				
			1	Immdtly 1ring	\dashv	+	\dashv	-	\dashv	\dashv	\dashv	4	4	_						
10			CO 9	2rings	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	\dashv	\dashv	+	\dashv	\dashv	-	\dashv	\dashv	\dashv
				3rings	\dashv	\dashv	\dashv	\dashv	\dashv											
				Immdtly		7	\dashv	\dashv	+			_	+	+	+	+	+	\dashv	+	\dashv
				1ring							\Box				\dashv	\dashv	\dashv	\dashv	+	\dashv
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			CO11	1ring	\dashv	\dashv	+	+	4	\dashv	\dashv	\dashv	4	4	\perp	\downarrow	\perp	\Box	\Box	\Box
				2rings 3rings	+	+	+	+	+	+	-	+	4	4	4	\dashv	4	4	_	
		ł		Immdtly	\dashv	\dashv	+	\dashv	+	+	\dashv	+	\dashv	+		+	+	-	-	4
			S .	1ring	+	\dashv	+	+	+	+	\dashv	+	+	+	+	+	\dashv	+	\dashv	\dashv
			CO12	2rings	\dashv	\dashv	\dashv	\dashv	+	+	\dashv	+	\dashv	+	+	+	\dashv	+	\dashv	\dashv
				3rings	\dashv	\dashv	\dashv	\top	\dashv	+	\dashv	+	\dashv	+	+	\dashv	\dashv	+	\dashv	\dashv
													5							

TO SET	PROGRAM ADDRESS			STI	EPS	REQ	UIR	ED 1	гос	HAN	GE F	PRO	GRA	M.		
CO Mode (Normal / DIL / DISA) Assignment Day Mode	51	Selecting the NEXT SE Selecting the NEXT SE	LECT until the ne "DIL LECTDIL	MEM: desir	ORY Normal ed CO	/ DISA numb	er (01 t	ber (01	throug gh 12) a	h 32) appear			7			
			Defa	ault					To ma		gram cl	hange				
			all C	O's						CO n	umber					
					01	02	03	04	05	06	07	08	09	10	11	12
		Normal	×	(-	-					-	_	-
		DISA						-	-				_		-	+
		DISA							1				l	L		
•		When "DIL:" m	ode													
		When "DIL" mode CO number														
			01	02	03	3 (04	05	06	07	08	09		10	11	12
		Jack number		1	1	T										
		Sack Hulliber							13*5							
Night Mode	5.2	Selecting the	ECT I	MEMC desire	Normal ed CO	/ DISAnumbe	A er (O1 ti	er (01	through	ı 32)						
			Defa	ault	_				To ma		gram cl	nange				
			all C	O's	-	T ==	1		7,200	CO nu						
1		Normal	>		01	02	03	04	05	06	07	80	09	10	11	12
		DIL		`	_	+	_	_		-						$\vdash \vdash \vdash$
		DISA			 	 	 	_	1			-	-	_		$\vdash \vdash \vdash$
	Š.	When "DIL" mo	ode					1	1							
									CO nu	mber						
			01	02	03	0	4	05 T	06	07	. 08	09	1	0	11	12
		Jack number								<u> </u>	- 50	03	+		*	12

TO SET	PROGRAM ADDRESS		STE	PS R	EQL	JIRE	D TO) CH	IAN	GE P	RO	GRA	М		
Pause Time Assignment	5.3		CT MEMOR1.5sec	/ 2.5se	c / 3.5			2) appe	ears						
			Default				7		e prog		nange				
			all CO's	01	02	03	04	05	CO nu	mber 07	08	09	10	11	12
		1.5sec		01	02	03	04	00	00						
		2.5sec		_			_								
		3.5sec 4.5sec	×	+-											
Hookswitch Flash Timing	5.4		·····300ms / the desired (600ms /	900m		gh 12) a			aram a	hango				
•	1		Default	+				To mai	co nu		nange				
			all CO's	01	02	03	04	05	06	07	08	09	10	11	12
		300ms ,		-				-	-		-	-	-	-	_
		900ms	. ×												
		1200ms													
Calling Party Control (CPC) Signal	5.5	NEXT AB M		B = 0(0 0(1 0(1 0(1 0(1 0(1 4)(1 7)(1	Dis Dis J : und Dis J : J : J : J : J : J : J : J : J : J	able der 5 m s not av m seco	n secon vailable onds efault (a	all 12 C	CO's)	" page	3-63.				
	1	Defau	ılt				Т		progra		nge				
		all CC)'s 0	1 02	2 0:	3 0	4 (O num	07	08	09	10	11	12
		350 m													
1	1														

TO SET	PROGRAM ADDRESS		STE	EPS I	REQ	UIR	ED T	O C	HAN	GE F	PRO	GRA	M		
Disconnect Time	5 6		I.5 sec /	4.0 se		throug	h 12) a	appear	s						
			Default	-				To ma	ke pro		hange	S.			
			all CO's	-	T		Т	T		umber					
		1.5 sec	×	01	02	03	04	05	06	07	08	09	10	11	12
		4.0 sec		+	\vdash	_	<u> </u>	+-			\vdash	—			
Automatic Designated CO Line Access	5 7		ECT MEMOR Enable/E	Disable		1 throu	ugh 12) appea	ars						
			Default					To ma	ke pro	gram c	hange				
			all CO's						CO nu	ımber					
				01	02	03	04	05	06	07	08	09	10	11	12
	<u> </u>	Enable Disable	X ·	\vdash			*								
		Disable													

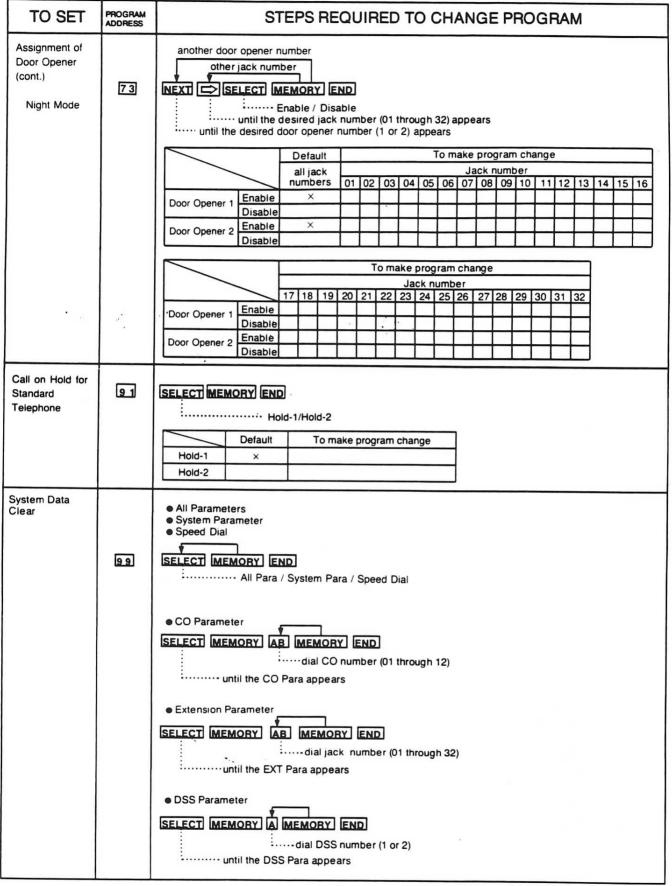
TO SET	PROGRAM ADDRESS			ST	EP	SR	EC	UI	RE	D.	то	CI	ΗA	NG	ìΕ	PR	00	ìR/	AM	
Extension Group	60	NEXT A M	EMOI	RY E	IDN							- 10 1000								
Assignment		1 : :																		
- Congrission		1 1		e exte		570														
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	1		De	fault	\Box					「o m	ake	prog	gram	cha	ange	•				
	1			jack			-					ck r								
				nbers	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	1	EXT GRP-1	_	×	+	+	-	₩	-		-	_	_	_	_	_	-	_	-	-
		EXT GRP-2	_		+	+	\vdash	\vdash	-	-	-	-	-	_	-	⊢	-	-	₩	⊢
		EXT GRP-3	-		+	+	\vdash	╁	-		\vdash	-		H		\vdash	-	⊢		\vdash
		EXT GRP-5	_		+	+	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash		\vdash	-
	ł	EXT GRP-6	_		+	+		\vdash	\vdash		\vdash	\vdash		-		\vdash	\vdash		-	-
		EXT GRP-7			+	+		\vdash												\vdash
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•	, · · · · · · · · · · · · · · · · · · ·		17 1	8 19	20	21	22		24			27	28	29	30	31	32			
		EXT GRP-1				Ш			• .					\Box						
		EXT GRP-2	\vdash	_	\vdash	Ш				_			_		_					
		EXT GRP-3	\vdash	—	_	Н	_			_	_	_	_	_	_					
		EXT GRP-4	\vdash	+-	⊢	Н	_	\Box		_	_	\dashv	_	_	_					
	1	EXT GRP-5	\dashv	-	\vdash	\vdash	_	-	_	-	_	-	-	-	-	_	_			
		EXT GRP-6 EXT GRP-7	\dashv	+	├	\vdash	\dashv	\dashv	$\overline{}$	\dashv	\dashv	\dashv	\dashv	\dashv	-	\dashv	\dashv			
		EXT GRP-8	\vdash	+	\vdash	\vdash	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	┥	\dashv	\dashv			
		EXT GHP-6																		
Service Class		_ -																		
Assignment of	6.1	NEXT C M	EMO	Y E	QV.															
Toll Restriction		i	dial the	e servi	се с	lass	num	ber	(1 th	roug	th 5)									
D		until t											ars							
Day Mode					_									_	_		-			
				ault	╁			_	'	o ma		prog			nge					
				jack ibers	01	02	03	104	05	06	Ja OZ	ck n	umb	er	11	12	12	14	15	16
		Class 1		×	101	102	03	04	US	00	0/	08	09	10	-11	12	13	14	15	16
		Class 2				\vdash			\vdash		\vdash	\vdash	\dashv		\neg	Н	\vdash		\vdash	
		Class 3										\Box					\vdash			
		Class 4																		
		Class 5																		
		i i																		
						To	ma	ike p	rog	ram	char	nge								
								Jac	k nı	ımbe	er									
			17 1	B 19	20	21	22	23	24	25	26	27	28	29	30	31	32			
		Class 1 .	-	+	\vdash	\dashv	\dashv	\dashv	4	4	4	_	4	1	\rightarrow	_	_			
		Class 2	+	+	\vdash	\dashv	+	-	-	-	\dashv	-	+	+	-	-	_			
		Class 3	+	+	\dashv	\dashv	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	+	+	\dashv	\dashv			
		Class 4 Class 5	\dashv	+	\dashv	\dashv	\dashv	\dashv	\dashv	+	\dashv	\dashv	+	+	+	\dashv	\dashv			
		Ciasso																		
l																				
l																				

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM
Service Class Assignment of Toll Restriction (cont.)	6.2	NEXT C MEMORY END dial the service class number (1 through 5)until the desired jack number (01 through 32) appears
Night Mode		Default To make program change
		all jack Jack number
		numbers 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
		Class 1 ×
		Class 2
		Class 3
		Class 4 Class 5
	19	To make program change
		Jack number
•		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 Class 1
		Class 2
1		Class 3
1		Class 4
1		Class 5
Extension Name	63	NEXT D SELECT MEMORY END until the desired letter appears dial (0 through 9, * , or #)
		until the desired jack number (01 through 32) appears
Account Code Input Mode	6.4	NEXT SELECT MEMORY END Option / Forced until the desired jack number (01 through 32) appears
		Default To make program change
		all jack
		numbers 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 Option ×
		Forced
		To make program change
	1	Jack number
	1	
		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 Option

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM
Call Transfer To Outside Line	65	NEXT SELECT MEMORY END Enable / Disable until the desired jack number (01 through 32) appears
		Default To make program change
		all jack Jack number numbers 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
		Enable
		Disable ×
		To make program change
		Jack number
		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 Enable
		Disable
Call Forwarding To Outside Line	6.6	NEXT SELECT MEMORY END Enable / Disable
		:until the desired jack number (01 through 32) appears Default To make program change
		Default To make program change all jack Jack number
		numbers 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
		Enable . Disable ×
		To make program change
		Jack number 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
		Enable
		Disable
Executive Override	6.7	NEXT SELECT MEMORY END Enable / Disable
		Default To make program change
		all jack number
	×	Enable Proble
		Disable ×
		To make program change
		Jack number
		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 Enable
		Disable

TO SET	PROGRAM ADDRESS		S	TEPS	S RI	EQI	JIF	REC	T	0 (СН	ΑN	GE	EF	PRC	G	RA	M			
Do not Disturb Override	68	Enable Disable	Default all jack number	ile / Dis	oable numb	03 (0 mak	04 le pr	To 05 0	mak	e production of the production	rogra k nu 08 (mbe	0 1	1 1	1	<u>+</u>	4 1	5 1	6		
Standard Telephone Connection with Proprietary Telephone	69	Enable Disable	Default all jack numbers	le / Dis	02 To	er (0°	04 (e pr	To 05 0	mak 6 0 m ch	e pr Jack 7 0	ogra 8 0	mber	0 1	1 1		Ŧ 	4 1	5 1	6		
Ringing Assignment of Doorphone Day Mode	70	NEXT 🗀 SE	until the desired Enable Disable Disable	MEMORE Enable desired doorph Defa all j: numb	/ Disd jack none in ault ack pers	onumb	oer (03 0 ma	04 Jac	05	o m	ake Ja 07 chai	prog ck n 08	umt 09	10	11	12		14	15 1	6

TO SET	PROGRAM ADDRESS		ST	EP	SF	REC	วบ	IR	ED	TC) C	H	N	GE	PF	30	GF	RAN	1			
Ringing Assignment of Doorphone (cont.) Night Mode	71	NEXT SE	LECT M	ber IEMC nab	ORY le / red i	Disa	ble num	ber er (1	(01 t	throu 2) ap	ugh :	32) a	ppe	ars								
				D	efau	lt					7	o m	ake	prog	ram	cha	ınge					
					ljac								Ja	ck n	umb	er						
					mbe		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
		Danmbara 1	Enable		×													_			\dashv	_
		Doorphone 1	Disable													Щ	_	_		_	\dashv	-
		Doorphone 2	Enable		X									_	_	_	_	_		_		_
		Doorprione 2	Disable														L_	_			\Box	
												CHARLES			_			_	\neg			
c .							_		o ma		_	ram	_	nge					\dashv			
			_	451	401	401	20	04	22	Ja	CK N	umb 25	er 26 l	27	20	20 [30	31	32			
			-	1/	18	19	20	21	-22	23	24	25	20	21	-0	-	30	٠,	32			
•		Doorphone 1	C	\dashv	\dashv	\dashv			-			\neg	\neg		\dashv	ᅥ			\neg			
				\dashv			\neg	_							\neg	\neg						
	1	Doorphone 2				\neg									\neg	\neg						
Assignment of Door Opener Day Mode	72	Doorphone 1 Disable Disable Disable Disable Disable Disable another door opener number other jack number NEXT SELECT MEMORY END Enable / Disable until the desired jack number (01 through 32) appears until the desired door opener number (1 or 2) appears																				
				_	efau	.10		_			_	To m	ake	pro	oran	cha	ange	,		_		
					lljad		\vdash							_	numt		3					\neg
					imbe	ers	01	02	03	04	05	06					11	12	13	14	15	16
		Door Opens 1	Enable		×																	Ш
		Door Opener 1	Disable				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	\vdash
		Door Opener 2	Enable		×		-	-	-	-	-	-	-	-	-	-	-	\vdash	\vdash	-	\vdash	H
			Disable					_	_		_		_	_				_				لــا
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				17	18	19	20	21	22					27	28	29	30	31	32			
		A APPROXIMATION OF THE PROPERTY OF THE PROPERT	Enable	<u> </u>					-					<u> </u>				Ť				
		Door Opener 1	Disable																			
		D 2	Enable																			
		Door Opener 2	Disable																			
								_														



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Panasonic Sales Company ("PSC")
Division of Matsushita Electric of Puerto Rico, Inc.

San Gabriel Industrial Park, 65th Infantry Avenue, KM 9.5, Carolina P.R. 00630

Printed in United Kingdom

PQQX9894ZA S0491I1071R