

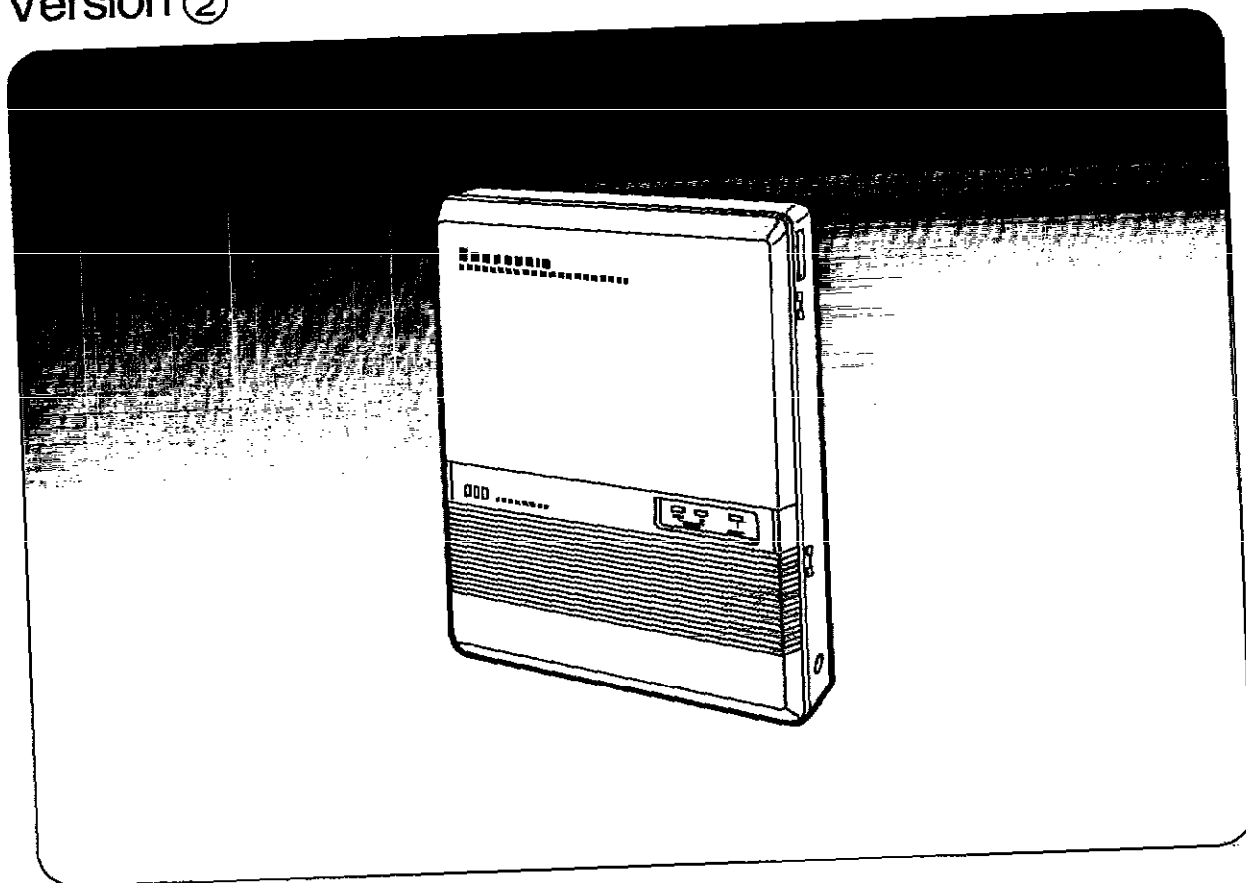
INSTALLATION MANUAL

ELECTRONIC MODULAR SWITCHING SYSTEM

KX-T30810BE

Easa-Phone

Version ②





Panasonic

Please read this manual before connecting the KX-T30810BE.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 13 amp fuse is fitted in this plug. Should the fuse need to be replaced please insure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.


If a new plug is to be fitted please observe the wiring code as shown below. If in any doubt please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

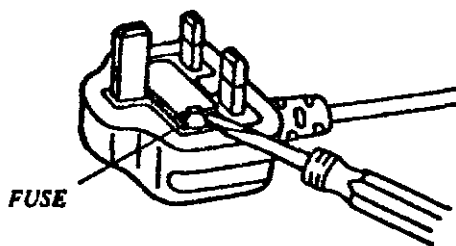
As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured **GREEN-AND-YELLOW** must be connected to the terminal in the plug which is marked with the letter **E** or by the Earth symbol  or coloured **GREEN** or **GREEN- AND-YELLOW**.

The wire which is coloured **BLUE** must be connected to the terminal in the plug which is marked with the letter **N** or coloured **BLACK**.

The wire which is coloured **BROWN** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **RED**.

How to replace the fuse: Open the-fuse compartment with a screwdriver and replace the fuse and fuse cover.



Thank you for purchasing the Panasonic Model KX-T30810BE,
Electronic Modular Switching System (EMSS).

System Component

	Model No.	Description
Service unit	KX-T30810BE	Electronic Modular Switching System
Telephone	KX-T7020E KX-T7050E KX-T7130E	EMSS Proprietary Telephone (12 CO's) EMSS Proprietary Telephone (12 CO's) EMSS Proprietary Telephone with LCD (12 CO's)
Optional equipment	KX-T30860E KX-T30865E KX-T30866E KX-A16BE	Doorphone Adaptor Doorphone Door Opener Adaptor System Back-up Unit

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

During dialling, this apparatus may tinkle the bells of other telephones using the same line. This is not a fault and we advise you not to call Fault Repair Service.

APPROVED for connection to telecommunication systems specified in the Instructions for use subject to the conditions set out in them.

S/1010/32/501332

CE

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

73/23/EEC
89/336/EEC
92/31/EEC
93/68/EEC

This equipment should be used on PSTN lines requiring 2-wire Loop calling unguarded clearing with Loop Disconnect or DTMF address signalling. The equipment must be connected to direct extension lines and a payphone should not be connected as an extension.

Ringer Equivalence Number (REN):

This relates to the performance of the integrated telephone with answering machine when used in combination with other items of apparatus. It enables the calculation of the maximum number of items of apparatus that may be connected simultaneously to the line by summing the REN values of each item. A maximum REN value of 4 should not be exceeded and will always include a BT provided telephone. The REN value of a BT Telephone is assumed to be 1. The REN value of this apparatus is 3.0.

Operation in Power Failure

In the event of a power failure, the following extensions will be directly connected to each of the CO.

Extension 21...CO1

Extension 22...CO2

Extension 23...CO3

- *Set the Dialling Mode (Tone or Pulse) of your telephone, according to the CO line.*
- *A telephone which can work even during a power failure must be connected to the extension 22 or 23.*
- *999 can be dialled on the apparatus for the purpose of making outgoing calls to the BT emergency (999) service.*

Satisfactory performance can not be guaranteed for every allowed combination of host and subsidiary apparatus.

999 can be dialled on the apparatus after accessing the CO line for the purpose of making outgoing calls to the BT emergency (999) service.

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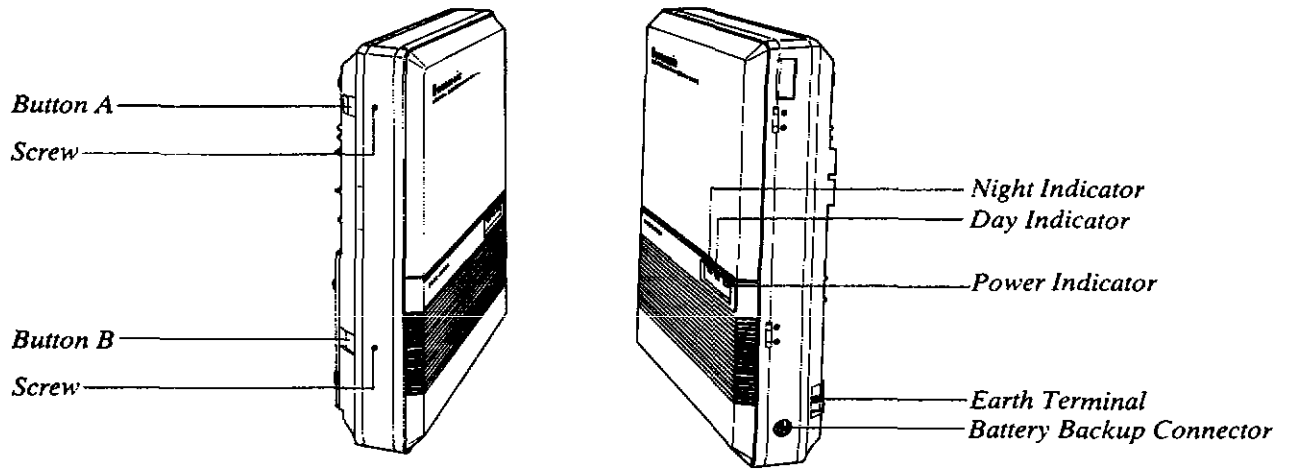
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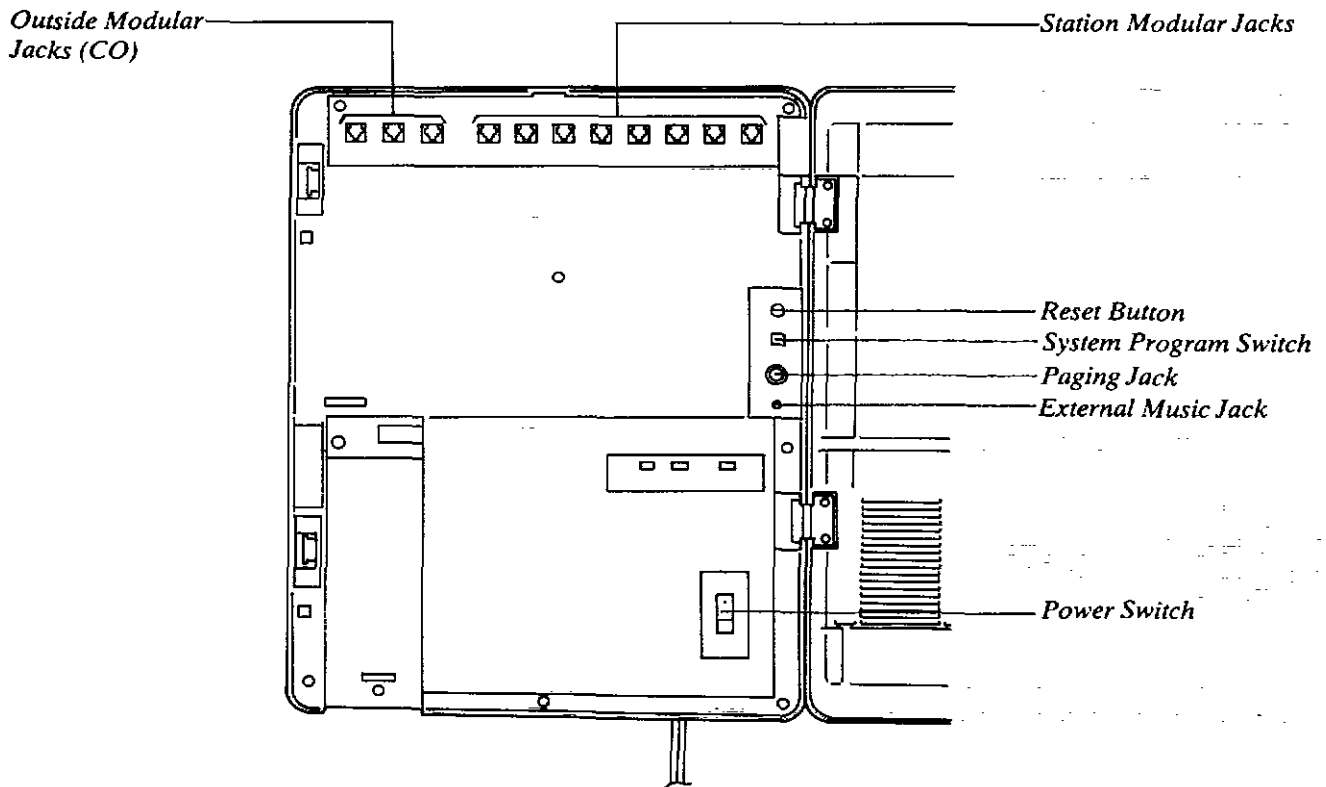
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NAME AND LOCATION



Remove the two screws and push the Buttons A and B simultaneously to open the front cover.



INSTALLATION

Cautions

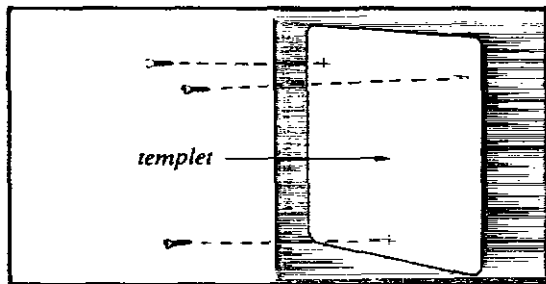
● Avoid installing in the following places. (Doing so may result in malfunction, noise, or discoloration.)

1. In direct sunlight and hot, cold, or humid places. (Temperature range: 0°C–40°C/32°F–104°F)
2. Sulfuric gases produced in areas where there are thermal springs, etc. may damage the equipment or contacts.
3. Places in which shocks or vibrations are frequent or strong.
4. Dusty places, or places where water or oil may come into contact with the unit.
5. Near high-frequency sewing machines or electric welders.
6. On or near computers, telexes, or other office equipment, as well as microwave ovens or air conditioners. (It is preferable not to install in the same room with the above equipment.)
7. Near radio broadcast antennas (including short wave).
8. Install at least 1.8 m from radios and televisions. (both the electronic modular switching system and EMSS proprietary telephones)
9. Do not obstruct area around the electronic modular switching system. (for reasons of maintenance and inspection—be especially careful to allow space for cooling above and at the sides of the electronic modular switching system)

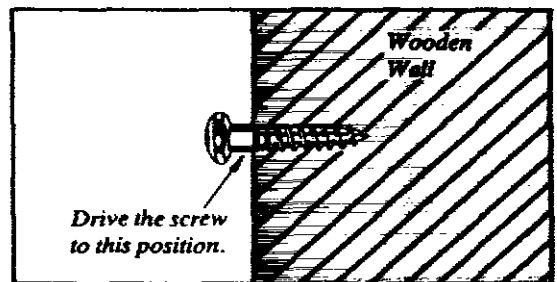
The wall where the KX-T30810BE is to be mounted must be able to support a weight of KX-T30810BE. If screws other than the ones supplied are used, use the same-sized diameter screws at the enclosed ones.

To Mount on the Wooden Wall:

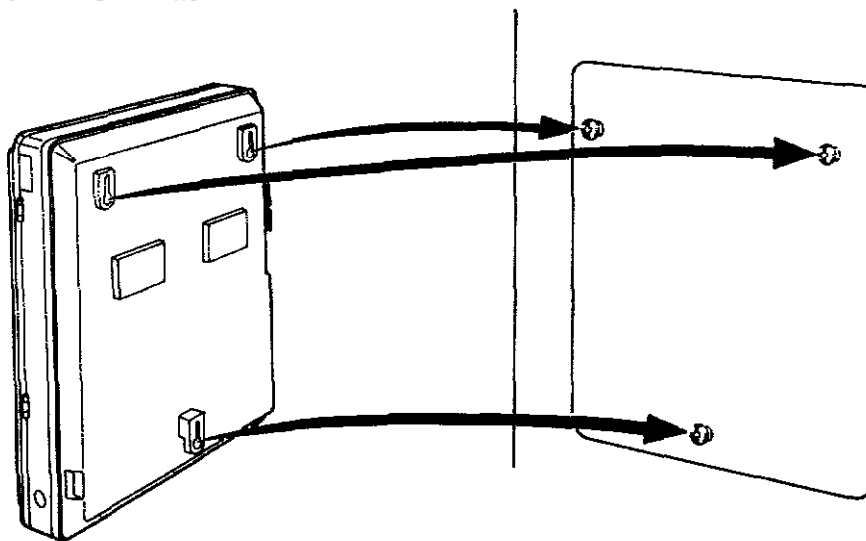
1. Place the templet (included) on the wall to mark the 3 screw positions.



2. Install the 3 screws into the wall.



3. Hook the unit on the screw heads.



CONNECTION

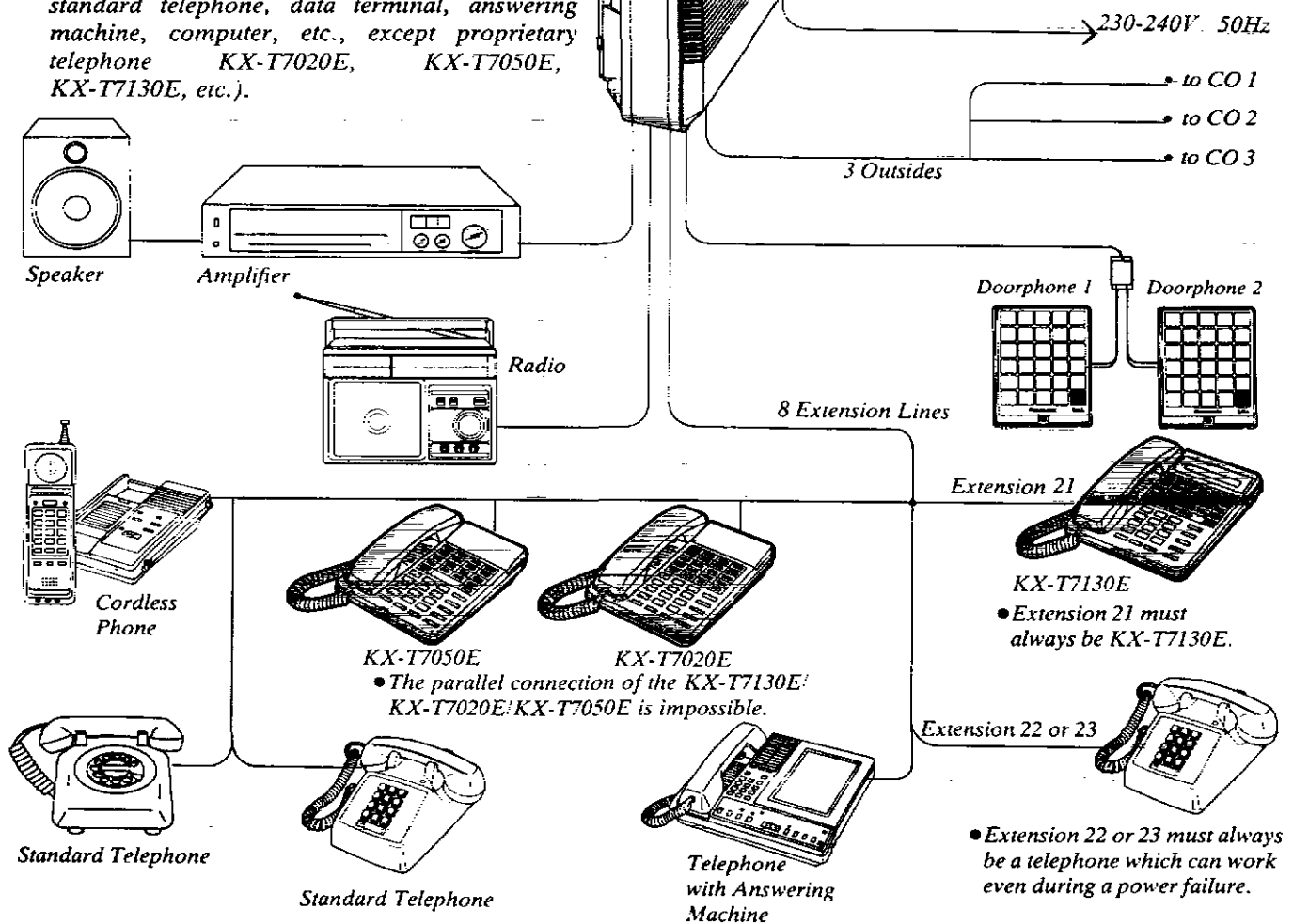
Cautions

1. Do not wire the telephone cable in parallel with the AC power source, computer, telex etc. If the cables run near those wires, shield the cables with metal tube or use shield cables and ground the shields.
2. When cables run on the floor, use protectors or the like to protect the wires where they may be stepped on. Avoid wiring under carpets.
3. Avoid using the same power supply outlet for computers, telexes, and other office equipment. Otherwise, KX-T30810BE system operation may be interrupted by the induction noise from such equipments.
4. Please use one pair telephone wire for extension connection of (telephone) equipments such as standard telephone, data terminal, answering machine, computer, etc., except proprietary telephone KX-T7020E, KX-T7050E, KX-T7130E, etc.).

After all the connections are completed, turn the Power Switch ON.

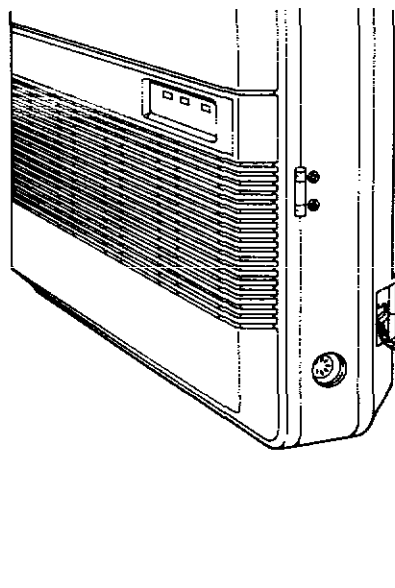
If an extension does not operate properly (for example: The LCD of the KX-T7130E does display properly.), disconnect the telephone from the extension line and then connect again, or turn OFF the power switch of the KX-T30810BE and then ON again after 5 minutes.

The socket outlet shall be placed close to the equipment and shall be easily accessible.



Warning. Identified ports do not provide isolation sufficient to satisfy the requirements of BS6301. Apparatus connected to such ports should either have been approved to BS6301 or have previously been evaluated against British Telecommunications plc (Post Office) Technical Guides 2 or 26 and given permission to attach. Other usage will invalidate any approval given to the apparatus. Connect apparatus complying with BS6317 to these ports.

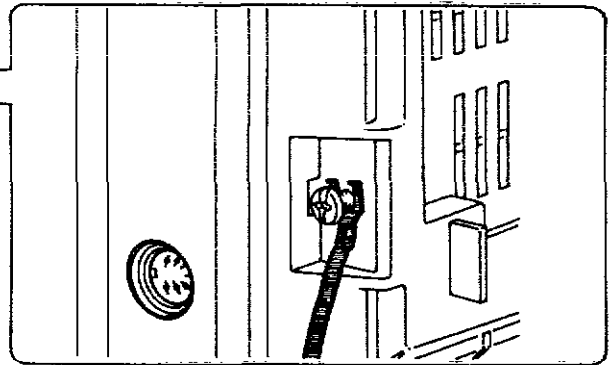
Frame Earth Connection



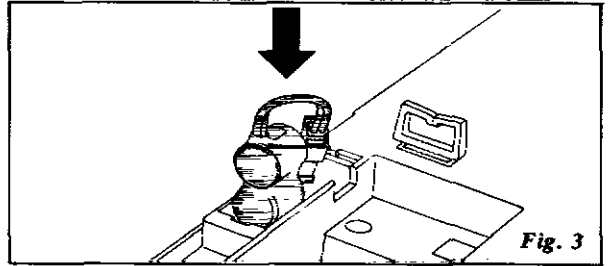
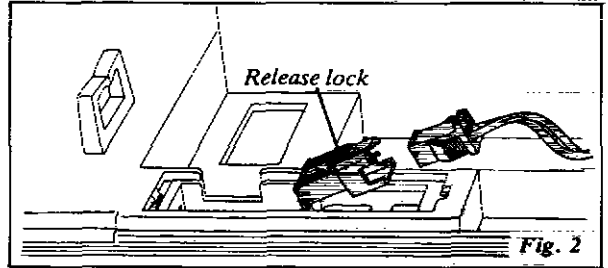
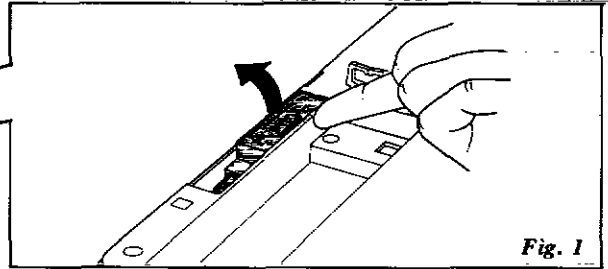
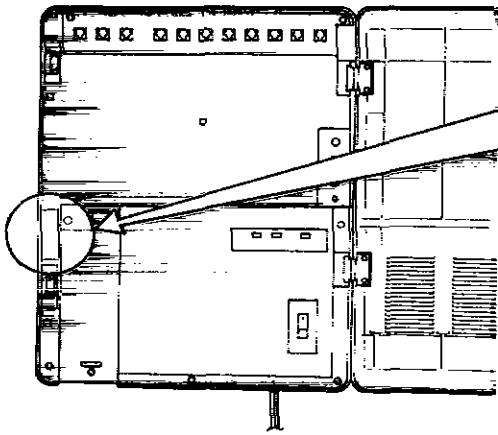
THIS APPARATUS MUST BE EARTHED.

IMPORTANT!!!

Connect surely the frame of the KX-T30810BE to the earth ground properly to protect the unit.



Rechargeable Battery Installation

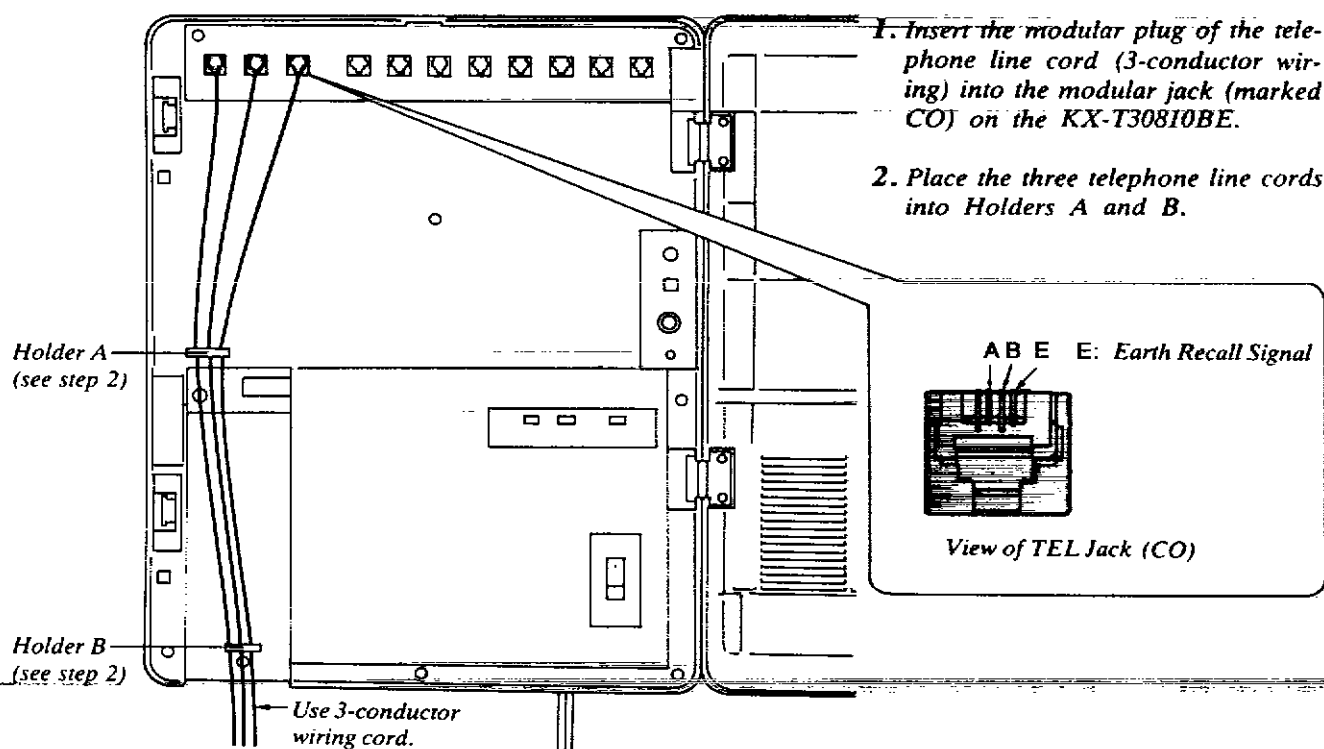


1. Remove the battery cover from the compartment. (Fig. 1)
 2. Connect the battery (included). (Fig. 2)
 3. Install the battery into the battery compartment. (Fig. 3)
- * Replace the battery every 5 years with (P-01H-F2G1). To remove connector, depress to release and slide (pull) apart connector. (Fig. 2)

Note:

At the end of its useful life, the nickel-cadmium battery must be disposed of properly.

Connection of the PSTN

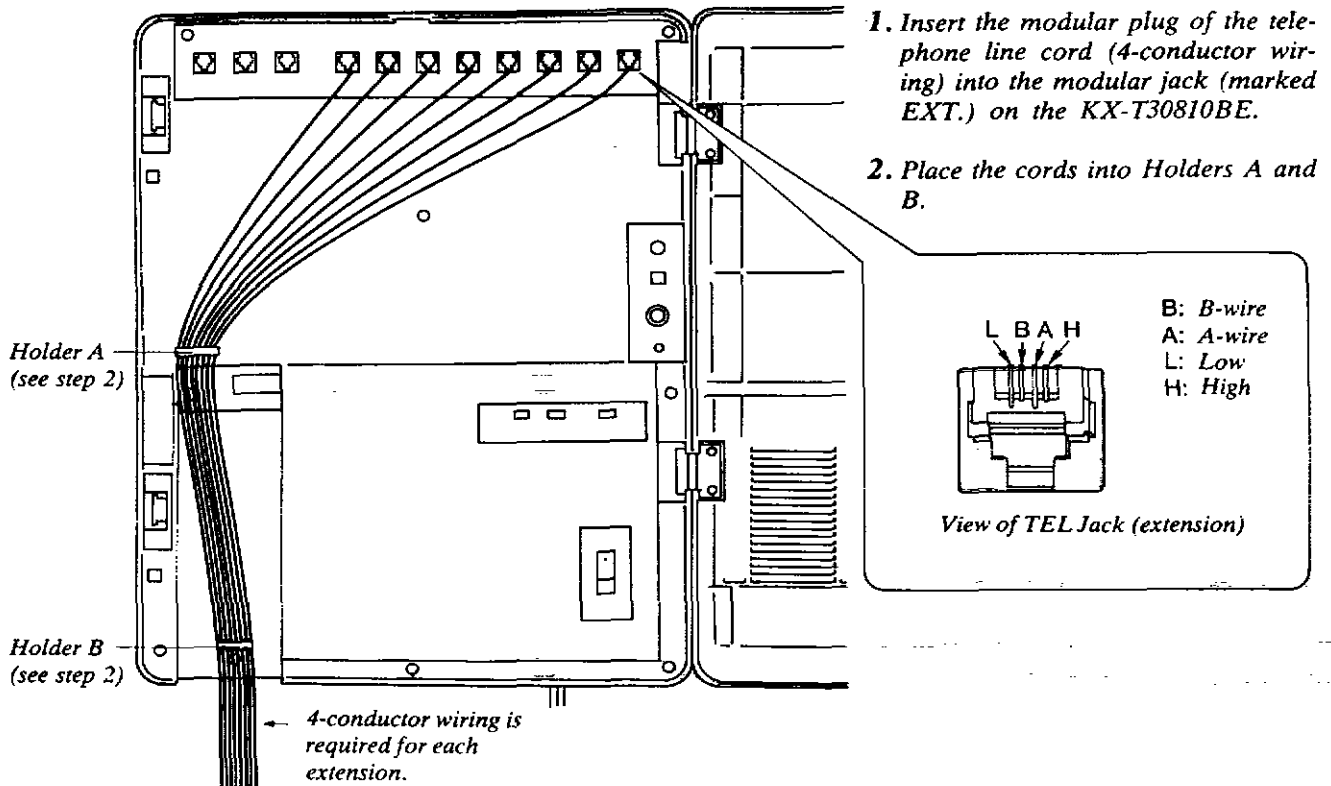


To Main Distribution Frame (M.D.F.)
or Modular Jacks from the CO.

Caution

Proper connection may cause the KX-T30810BE to operate improperly.
See "During Installation" page 5-1 and "During Connection" page 5-2 before connecting.

Connection of the Extension



You can either direct wire all extensions or connect via a Main Distribution Frame (M.D.F.) which is approved for this purpose.

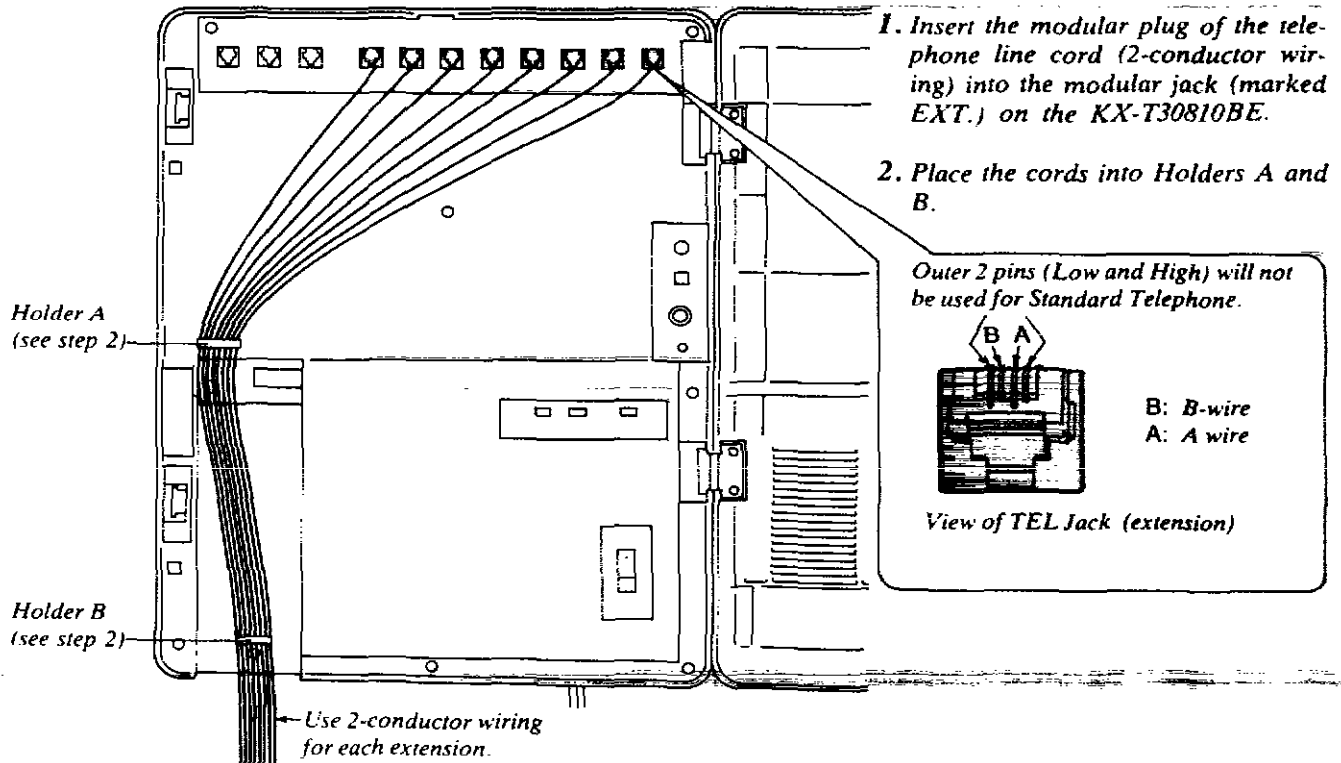
To Extensions

- The inner 2 wires (red, green) are for A-wire and B-wire and the outer 2 wires (black and yellow) are for Low and High (DATA).
- The max. length of the telephone line cord that connects the KX-T30810BE and the extension is shown below.
240 m for ϕ 0.5 mm

This connection may cause the KX-T30810BE to operate improperly. See "During Installation" page 5-1 and "Wiring Connection" page 5-2 before connecting.

Warning. Identified ports do not provide isolation sufficient to satisfy the requirements of BS6301. Apparatus connected to such ports should either have been approved to BS6301 or have previously been evaluated against British Telecommunications plc (Post Office) Technical Guides 2 or 26 and given permission to attach. Other usage will invalidate any approval given to the apparatus.

Connection of Standard Telephone to Extensions



To Extensions

- The max. length of the telephone line cord that connects the KX-T30810BE and the extension is shown below.
620 m for ϕ 0.5 mm
- You can either direct wire all extensions or connect via a Main Distribution Frame (M.D.F.) which is approved for this purpose.

Caution

Mis-connection may cause the KX-T30810BE to operate improperly.

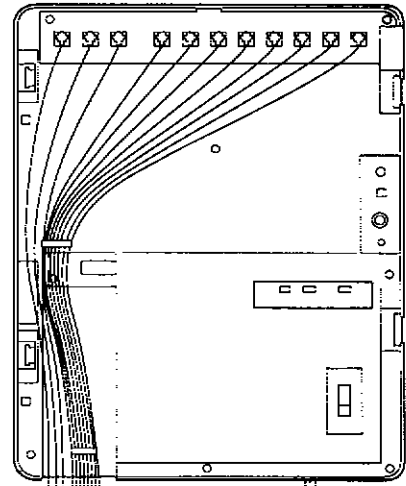
See "During Installation" page 5-1 and "During Connection" page 5-2 before connecting.

Warning. Identified ports do not provide isolation sufficient to satisfy the requirements of BS6301. Apparatus connected to such ports should either have been approved to BS6301 or have previously been evaluated against British Telecommunications plc (Post Office) Technical Guides 2 or 26 and given permission to attach. Other usage will invalidate any approval given to the apparatus.

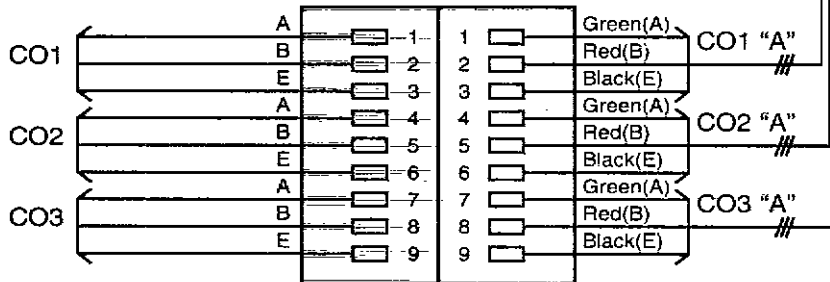
Connection of Using Approved Connecting Blocks

Note:

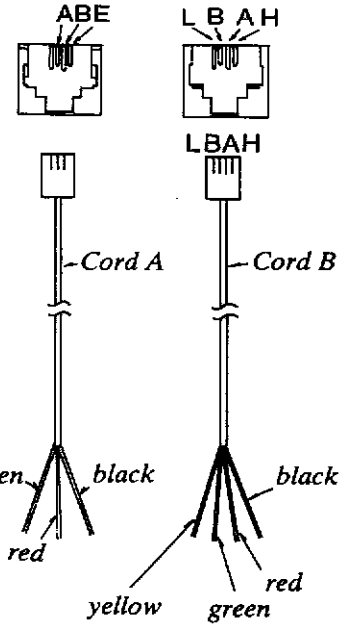
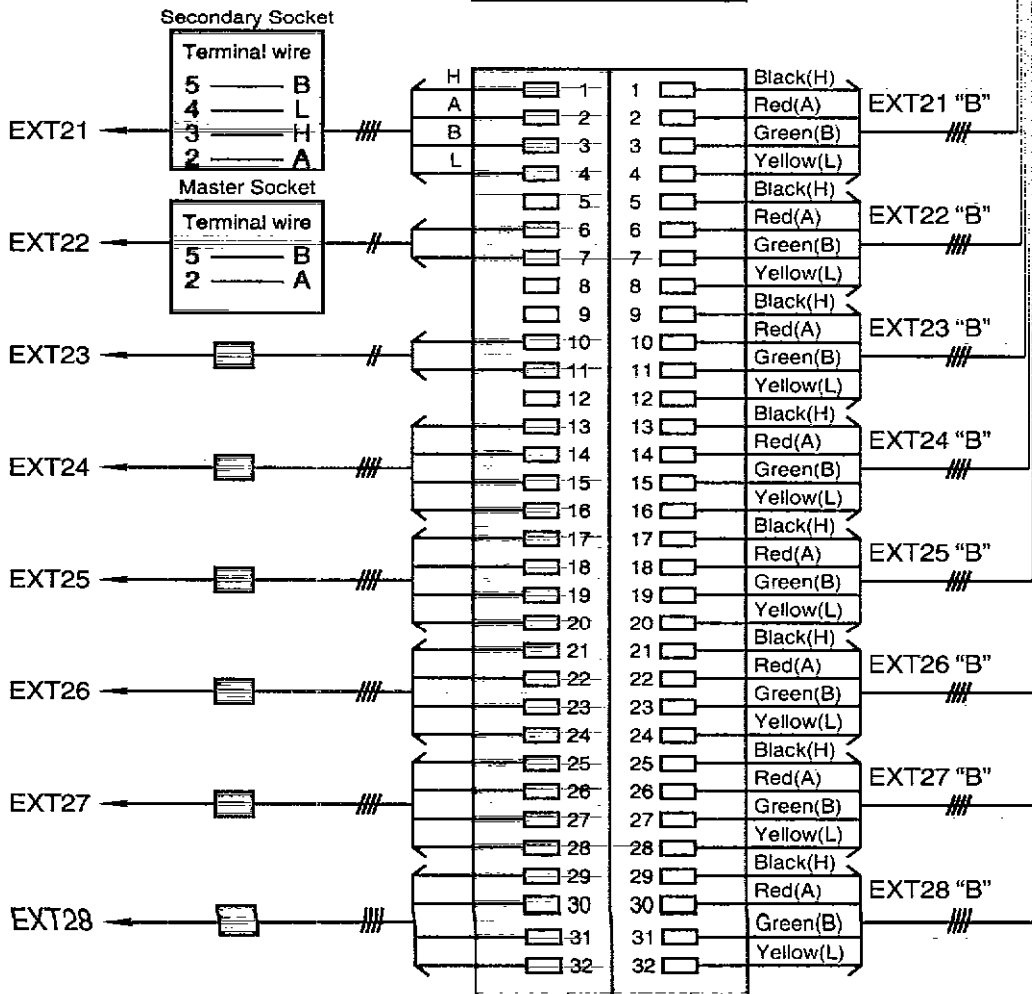
Extension 21 should always be KX-T7130E. All other extensions may be either 2 or 4 wire connection depending on the terminals used.



M.D.F.

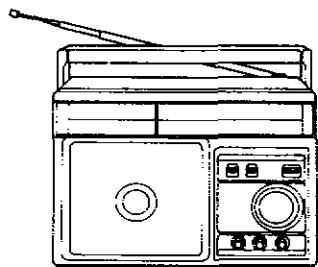


{ "A"...Cord A use
"B"...Cord B use



— — — — — ...4-pin Cable
 — — — — — ...3-pin Cable
 — — — — — ...2-pin Cable

External Music Source



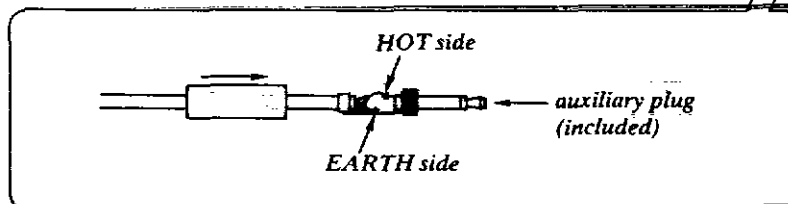
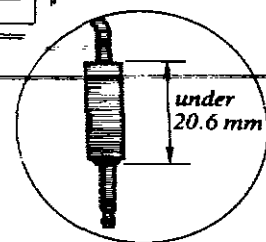
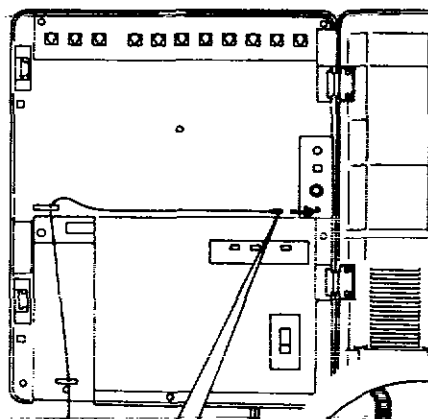
External Music Source

Adjust the sound level of the music on hold with the Volume control.

Use a two-conductors plug (3.6 mm in diameter)

- Input impedance 5 k Ω
- Input Level -10 dBm

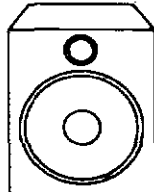
Use a cord that has the internal resistance 10 Ω .



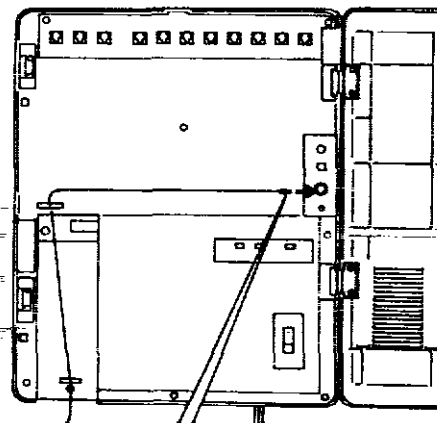
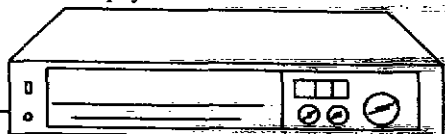
Paging Equipment

Warning. Identified ports do not provide isolation sufficient to satisfy the requirements of BS6301. Apparatus connected to such ports should either have been approved to BS6301 or have previously been evaluated against British Telecommunications plc (Post Office) Technical Guides 2 or 26 and given permission to attach. Other usage will invalidate any approval given to the apparatus.

Speaker



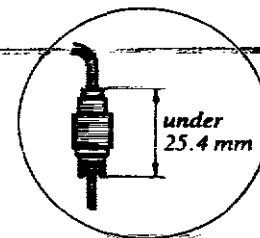
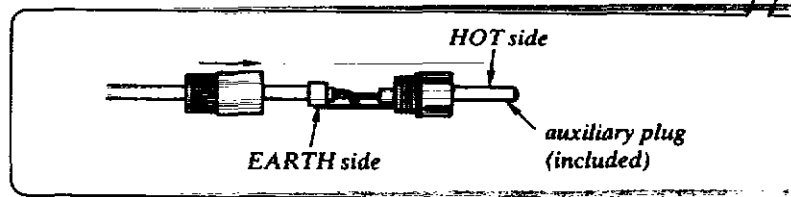
Amplifier



Use shielded cable.

Use RCA connector.

- Output impedance: 600 Ω

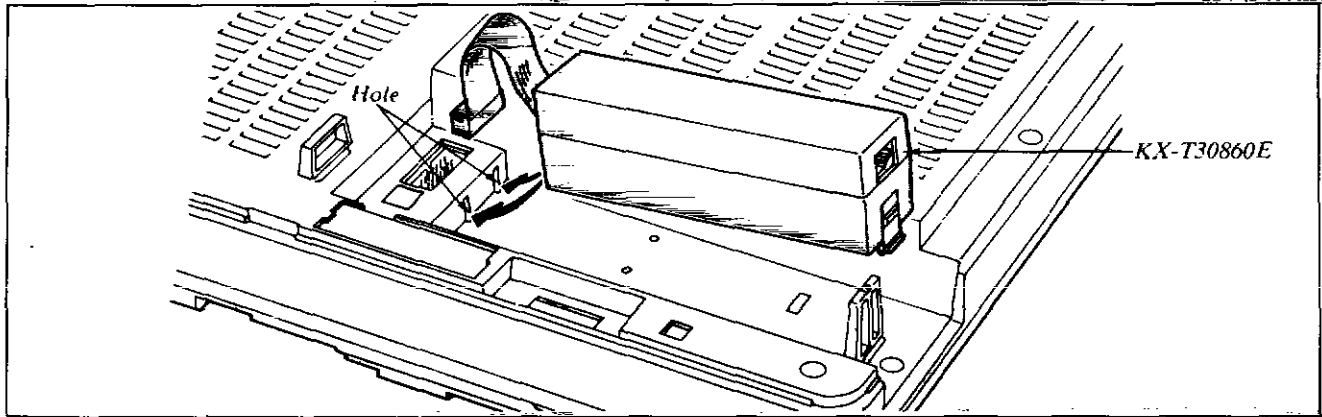


Connection of The Optional Doorphone (KX-T30865E)

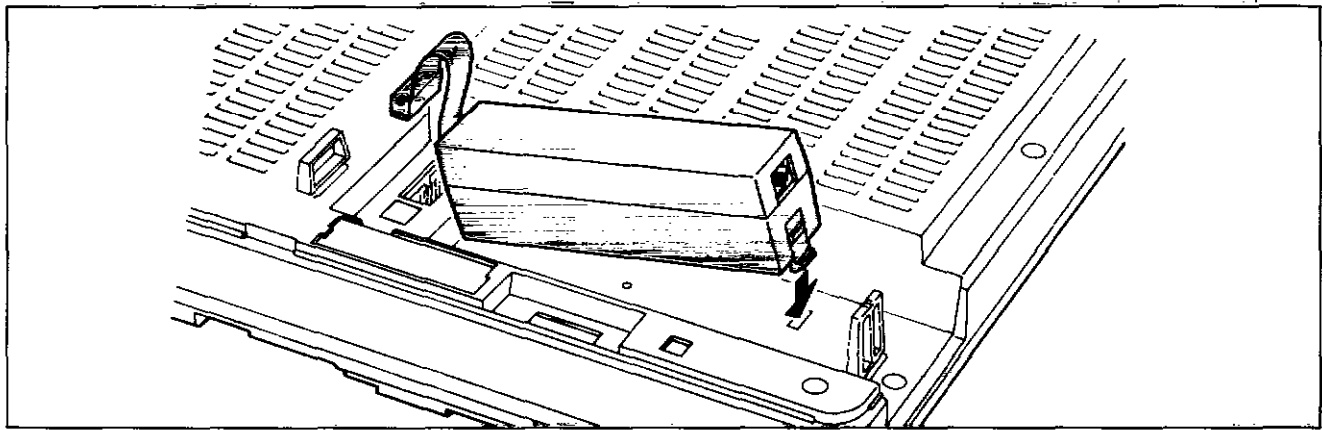
For installing the doorphone, use the Optional Doorphone Adaptor (KX-T30860E).

1. How to install the Doorphone to the KX-T30810BE

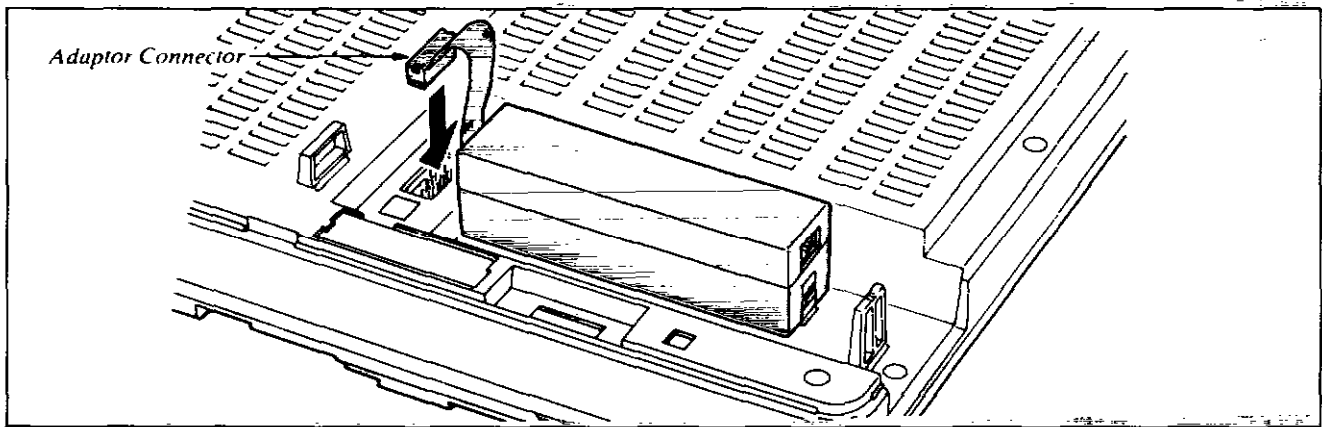
① Insert the adaptor projections to the holes.



② Push the adaptor down so that it locks into the ribs of the unit.

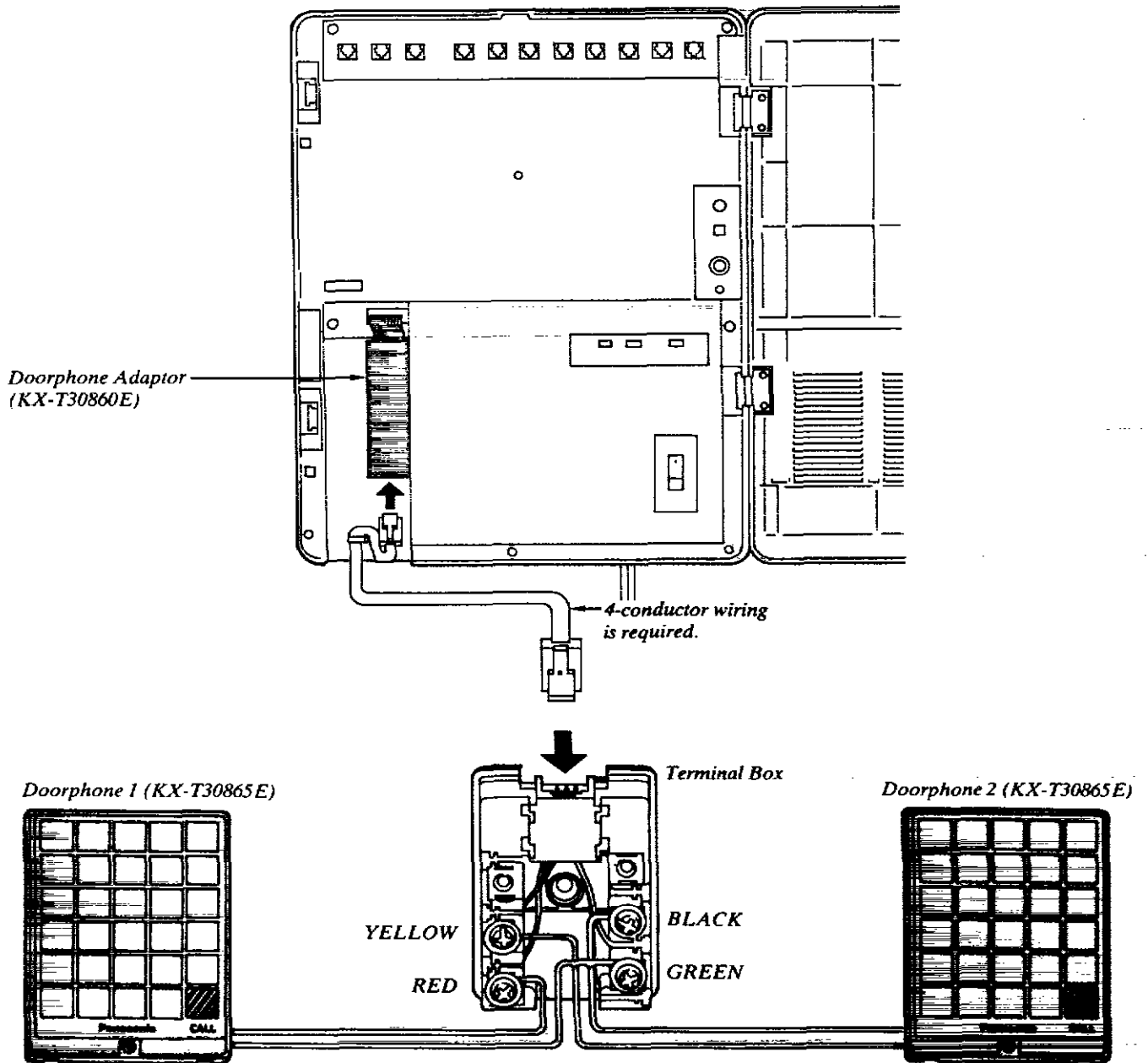


③ Insert the adaptor connector.



2. Wiring connection of the Doorphone

- (A) Connect the doorphone to the terminal box using 4-conductor modular connectors.
- (B) Connect the wires of doorphone 1 to the red and green screws of the terminal box.
- (C) Connect the wires of doorphone 2 to the yellow and black screws of the terminal box.



- The max. length of the telephone line cord that connects the KX-T30810BE and the doorphone (KX-T30865E) is shown below.
120 m for ϕ 0.5 mm

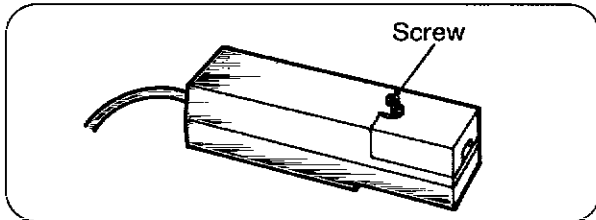
2 kinds of screws are included to install the KX-T30865E. Use the long screw to fix the Terminal Box on the wall. When you don't install the box on the wall, use the short one and fix firmly not to be opened.

Connection of the Optional Door Opener Adaptor (KX-T30866E)

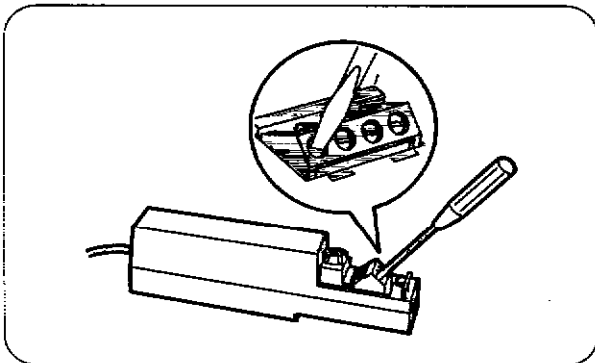
For installing the Door Opener, use the Optional Door Opener Adaptor (KX-T30866E).

1. Wiring connection from the Door Opener

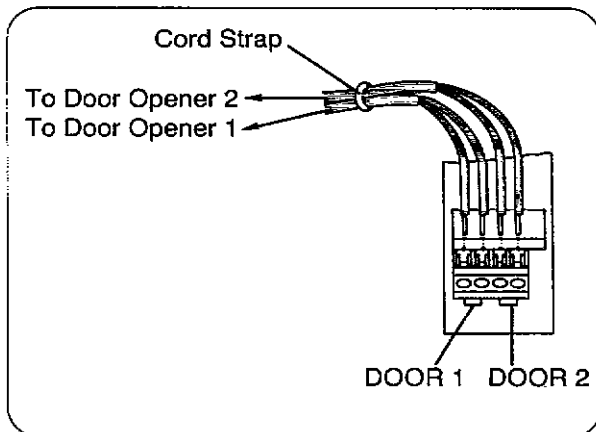
① Loosen the screw and remove the cover.



② Loosen the screws.

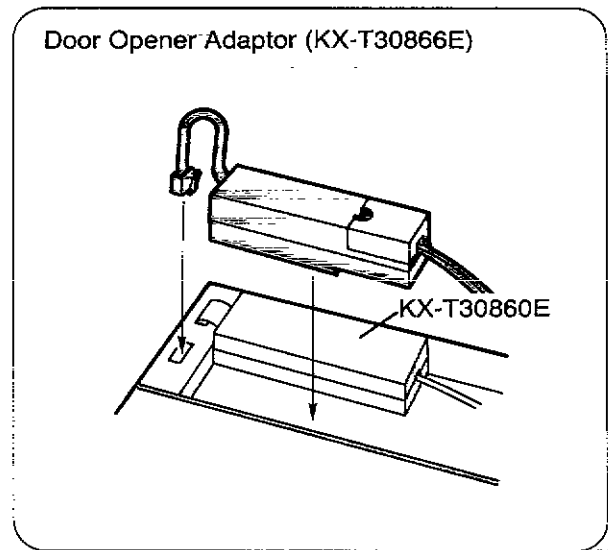


③ Insert the wires coming from the door openers in the direction of the arrows and tighten the screws, then secure the cords with the cord strap (included).

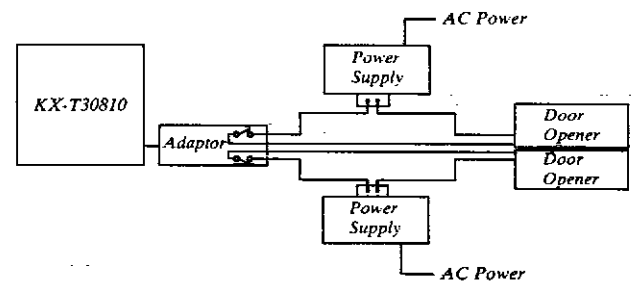


④ Put the cover in position and tighten the screw.

2. Insert the door opener adaptor.



■ Block Diagram



Note:

- Power Supply, Door Opener and Wiring are not included of the Door Opener Adaptor, KX-T30866E.
- For wiring, it is recommended to use AWG22 twisted wire or thicker wire.
- The relay contact is able to operate with MAX 50 V AC, 1 A or MAX 30 V DC, 1 A.
- Doorphone 1 must be paired with Door Opener 1 and the same with Doorphone 2 and Door Opener 2.

Important Information

Port Type Classification

PORT NAMES	BRIEF DESCRIPTION	PORT TYPES	OPERATING VOLTAGE
EXT. PORT	CONNECT TO ITS, SLT	1AS	TNV **
PSTN PORT	CONNECT TO NETWORK	PAS	TNV **
PAGING PORT *	EXTERNAL PAGING	4F	TNV **
EXT. MUSIC PORT *	EXTERNAL MUSIC	4F	TNV **
BATTERY PORT *	CONNECT TO KX-A16BE	4C	TNV **
DOORPHONE PORT *	CONNECT TO KX-T30860E	4E	TNV **
DOOR OPENER PORT *	CONNECT TO KX-T30866E	4E	TNV **

* These ports do not respond to address signalling.

** TNV : Telecom Network Voltage as defined by EN60950

Note: This equipment must be connected to a hard wired earth.

Interconnection circuits should be such that the equipment continues to comply with the requirements of 6.2.1 of EN60950 for TNV circuits and 2.3 of EN60950 for SELV circuits, after making connections between circuits.

Port types between which call paths can be established

FROM \ TO	EXT.	PSTN	PAGING	EXT. MUSIC	DOORPHONE	BATTERY	DOOR OPENER
EXT.	A	A	A	X	A	X	X
PSTN	A	X	X	X	X	X	X
PAGING	X	X	N/A	X	X	X	X
EXT. MUSIC	A	A	X	N/A	X	X	X
DOORPHONE	A	X	X	X	N/A	X	X
BATTERY	X	X	X	X	X	N/A	X
DOOR OPENER	X	X	X	X	X	X	N/A

A: Allowed X: Not allowed N/A: Not applicable

Maximum associated cable loss for EXT port

ITS: Max. cable loss 0.34 dB (240 m max. for ϕ 0.5 mm)

SLT: Max. cable loss 0.78 dB (620 m max. for ϕ 0.5 mm)

Port to port loss

Loss across switch, PAS→1 AS Loss=1.0 dB

Send and receive loudness ratings on port to port basis

Send loudness rating (1 AS→PAS): +3 dB (0 km)

Receive loudness rating (PAS→1 AS): -6 dB (0km)

Extension (1 AS) port

3 Ringers can be supported with Extension wiring up to 620 m.

*Note

EXT21 to EXT 28 may be used for off premise extension in which case cabling would be required by BS6701: Part 1 1986 to be equipped with over voltage protection.

When using separately approved extension telephones, the best overall performance of the PBX system will be obtained by using extension telephones of impedance class A clause 4.3.2.1. of BS6305: 1982.

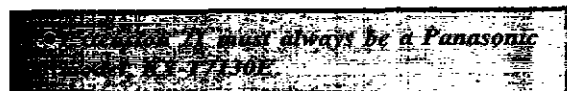
PROGRAMMING

To activate this system, the requirements from telephone company and the customer must be programmed once the Power Switch has been turned on.

Programming Instructions

1. At extension 21:

All system programming changes (example: system clear, station program clear, toll restriction, hookswitch flash timing...) are done through extension 21.



2. System Program Switch setting:

The System Program Switch located on the KX-T30810BE must be set to the PROGRAM position while making program changes. After all programming changes are completed, return the program switch to the SET position.

3. Overlay:

This overlay is used for programming the system and the program function names on buttons are inscribed on this card. Refer to page 2-2.

4. Before system programming, you may operate system clear and station program clear to set default data of programming.

A. System Clear:

1 Dial (99).

• "ALL CLEAR?" will be displayed.

2 Press the STORE button to clear system.

3 To exit from system clear, press the END button.

The following features are preset as the default data.

Date and Time

System Speed Calling

Dial Mode (Tone/Pulse) Selection

Switching Mode (Day/Night Service)

Starting Time (Day/Night Service)

Flexible Day Outward Dialling Assignment

Flexible Night Outward Dialling Assignment

Flexible Day Ringing Assignment

Flexible Night Ringing Assignment

Toll Restriction—Class Assignment

Toll Restriction—Area Code Selection

Transfer Recall Time

Automatic Answering (Automatic/Manual) Selection

Duration Time Count Start Mode

Register Recall Signal

Disconnect Time

Calling Party Control (CPC) Signal

Intercom Alerting Mode

Programmable Doorphone

Dial Call Pickup Group Assignment

Hold Time Reminder

Hold Recall Time Set

Programmable External Paging Access Tone

DTMF Receiver

Programmable Secret Auto Dial

Automatic Designated CO Line Access

Door Opener Assignment

Least Cost Routing Feature

B. Station Program Clear:

1 Dial (98).

• "ALL CLEAR?" will be displayed.

2 Press the STORE button to clear the system.

3 To exit from station clear, press the END button.

The following features are preset as the default data.

One Touch Dialling

Background Music

Call Forwarding

Data Line Security

Dial Call Pickup Deny

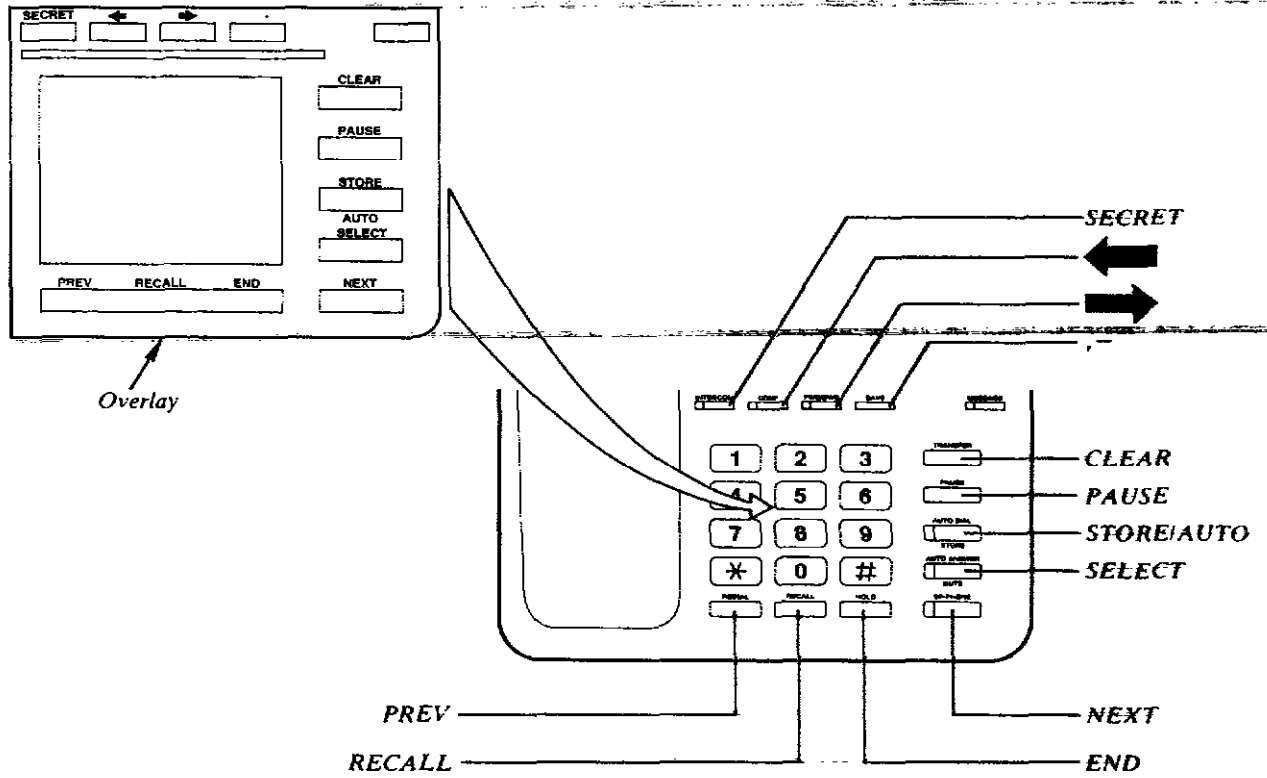
Do not Disturb

Flexible CO Button

Flexible DSS Button

When the System Program Switch on the KX-T30810BE is set to the PROGRAM position, the operation of the KX-T7130E will change as follows.

KX-T7130E



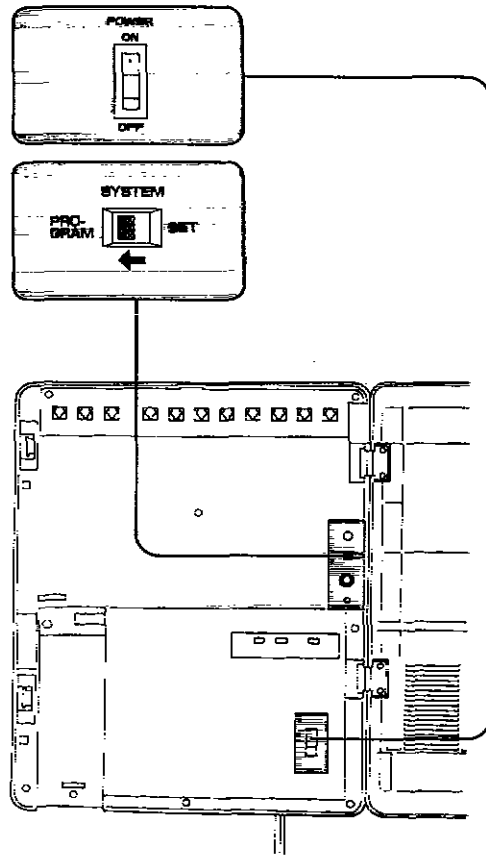
Example of Programming

1. Turn the Power Switch to ON

2. Set the System Program Switch to PROGRAM
The LCD on the KX-T7130E shows "ENTER PGM CODE".

• Be sure the handset of the extension 21 is in the cradle and the speakerphone button of the extension 21 is off.

3. To program automatic line access number 9 and the phone number 987-654-3210 into memory location (speed dial access) number 00. (Refer to page 2-5.)



KX-T7130E at extension 21 (Extension 21 must always be KX-T7130E.)	
1.	Dial (01) or press the AUTO button. Display ENTER SPEED CODE
2.	Dial (00) or press the NEXT button. • If nothing is stored in access code "00", 00: NOT STORED • If already stored the automatic line access number 9 and the phone number 123-456-7890, 09: 9-123-456-7890
3.	① Dial "9". ② Press "-" button. ③ Dial "987". ④ Press "-" button. ⑤ Dial "654". ⑥ Press "-" button. ⑦ Dial "3210". 00: 9-987-654-3210
4.	Press the STORE button. 00: 9-987-654-3210
5.	• To program a next access code, press the NEXT button. • To program a desired access code, press the SELECT button and then dial the number.
6.	Repeat step 3 to 5.
7.	To return to the initial program mode, press the END button. ENTER PGM CODE

4. Return the System Program Switch to SET

■ To make program change, start from the beginning.

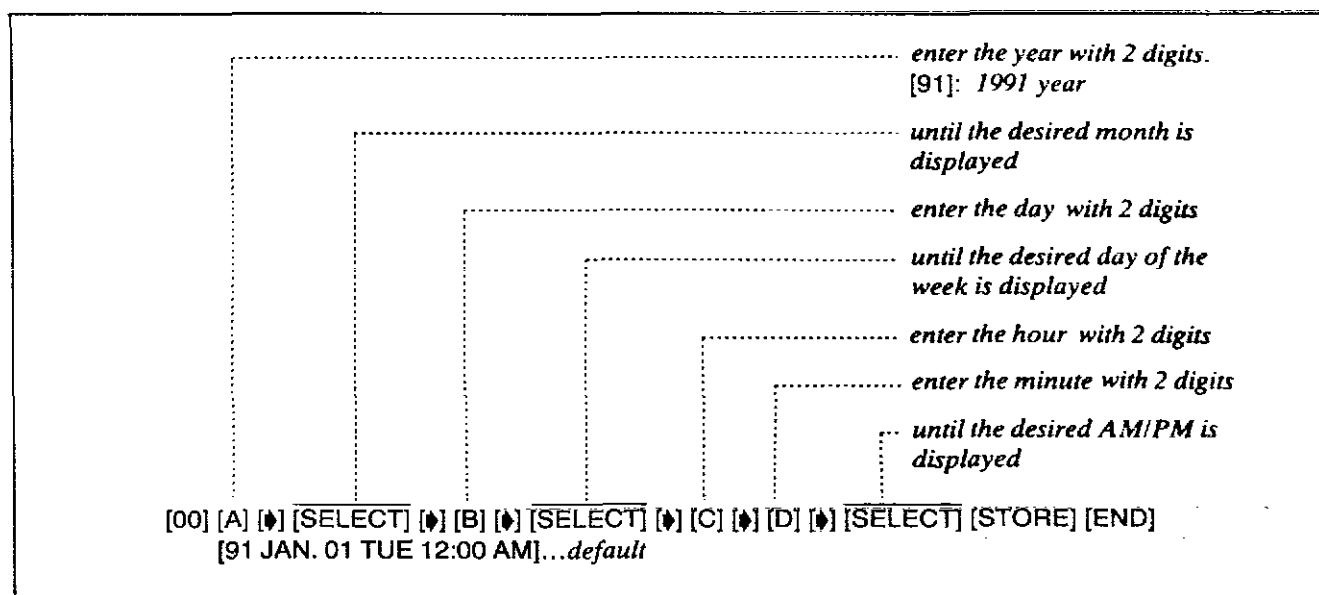
While programming if a mistake is made,

1. Press the "END" button.
2. Start programming procedure from the beginning.

• You will hear the beeps after press the STORE button.

• The STORE indicator light goes on when the STORE button is pressed, and then Indicator light goes out when the NEXT or PREV button is pressed.

Date and Time



Description

Entry of the current date and time.

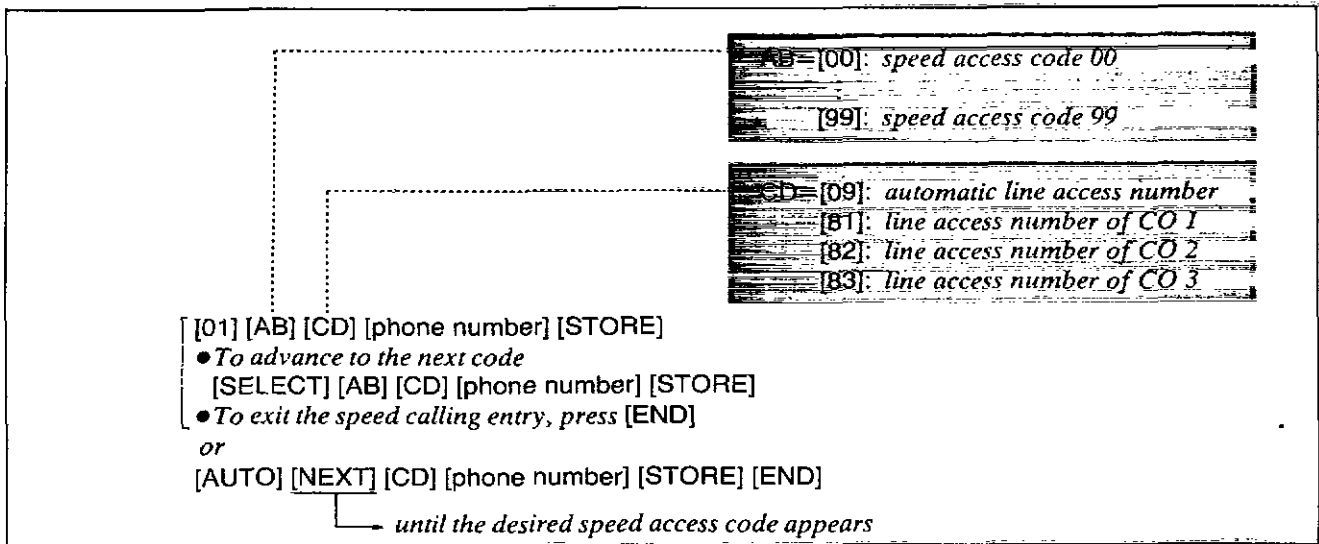
Programming

1. Dial (00).
"91 JAN. 01 TUE" will be displayed and "91" will blink.
2. Enter the year (last 2 digits) using the dialling button.
3. Press the "↔" button and then repeat pressing the SELECT button until the desired month is displayed.
4. Press the "↔" button and then enter the day with 2 digits.
5. Press the "↔" button and then repeat pressing the SELECT button until the desired day of the week is displayed.
6. Press the "↔" button.
"12: 00 AM" will be displayed.
7. Enter the hour with 2 digits.
8. Press the "↔" button and then enter the minute with 2 digits.
9. Press the "↔" button and then repeat pressing the SELECT button until the desired AM/PM is displayed.
10. Press the STORE button.
11. To return to the initial program mode, press the END button.

Conditions

- If "↔" button is pressed, the display will return to the previous sequence in the programming step.
- Instantly after pressing the STORE button, new time counting will start.
But LCD of extension 21 will display new time after the System Program Switch is set to SET.

System Speed Calling Entry



Description

100 phone numbers each with up to 16 digits may be entered into programming for speed calling use from each extension.

Pushing the "*" , "#" "PAUSE", "—" or "RECALL" button counts as 1 digit.

Programming

1. Dial (01) or press the AUTO button to go into the speed calling entry mode.
"ENTER SPEED CODE" will be displayed.

2. Dial (00 through 99) or press the NEXT button, for speed access code entry.

Example:

When dial (00) or press the NEXT button.

- The LCD will show "00:NOT STORED" when nothing is stored in speed access code "00". When the automatic line access number 9 and the phone number 123-456-7890 has been stored, "00: 9-123-456-7890" will be displayed.

3. Enter the line access number.

- 9: for automatic selection
- 81: for CO 1
- 82: for CO 2
- 83: for CO 3

4. Enter the phone number.

- You may enter punctuations during a phone number.
- To erase a wrong enter, press the CLEAR button.

5. Press the STORE button.
The STORE indicator will be lit.

6. 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 program desired speed access code, press the SELECT button and then dial the speed access code.

7. Repeat steps 3 to 6.

8. To exit the speed dial entry, press the END button.
• The LCD will show the initial program mode, "ENTER PGM CODE".

To change

Repeat steps 1 to 8.

To erase after programming

1. Dial (01) or press the AUTO button.
"ENTER SPEED CODE" will be displayed.
2. Dial (00 through 99) or press the NEXT button, for speed access code entry.
The speed access code and the phone number will be displayed.
3. Press the CLEAR button.
4. Press the STORE button.
5. 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 program desired speed access code, press the SELECT button and then dial the speed access code.
6. Repeat steps 3 to 5.
7. To exit the speed calling entry, press the END button.

Conditions

- To enter more than 13 digits of a phone number, use the "↵", or "↵" button for scrolling the display.
- The LCD will show the stored phone number.
- The line access number (9, 81, 82 or 83) should be stored.
- The pause is automatically entered after line access number (9, 81, 82, or 83).
- Continuous use of speed calling is possible.

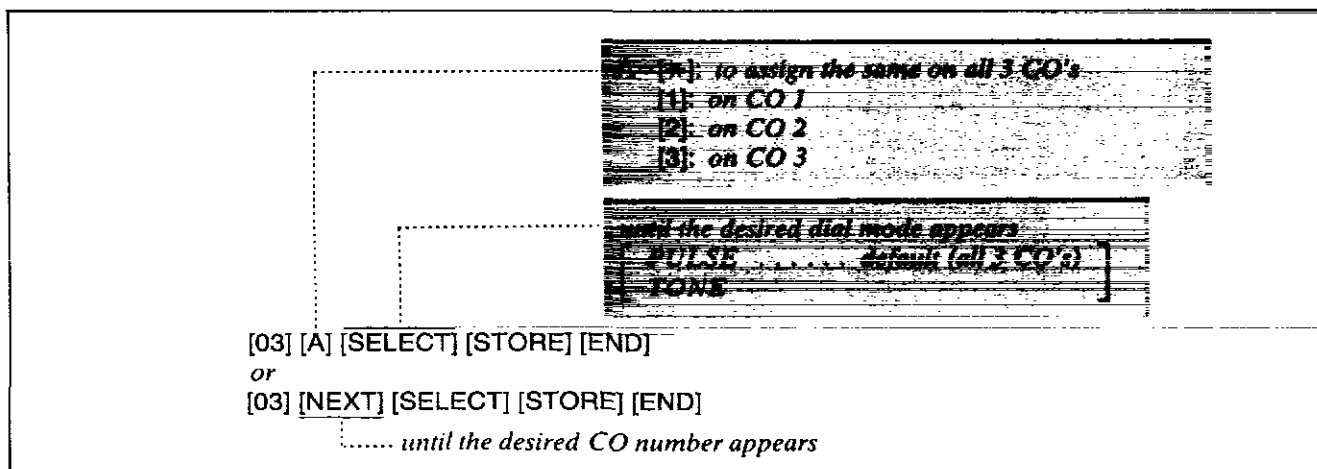
Example:

[AUTO] [01] [AUTO] [02]

In this case, speed access code "02" should not include the line access number.

There is the phone number directory on page 5-11.

Dial Mode (Tone/Pulse) Selection



Description

Allows the user to select the dialling mode (tone or pulse) on each CO Line.

•TONE Dial Mode

The dial signal from the extension (with tone or pulse dial mode) will be converted to TONE. TONE will then be transmitted to the Central Office.

•PULSE Dial Mode

The dial signal from the extension (with tone or pulse dial mode) will be converted to PULSE. PULSE will then be transmitted to the Central Office.

Programming

1. Dial (03).

"ENTER CO NO" will be displayed.

2. Press the NEXT button.

"CO 1: PULSE" will be displayed and "PULSE" will blink.

3. Press the SELECT button to alternate between TONE and PULSE.

4. Press the STORE button.

The blinking figures will stop.

5. Repeat steps 2 to 4, to program the dialling mode on the other central office lines.

6. To return to the initial program mode, press the END button.

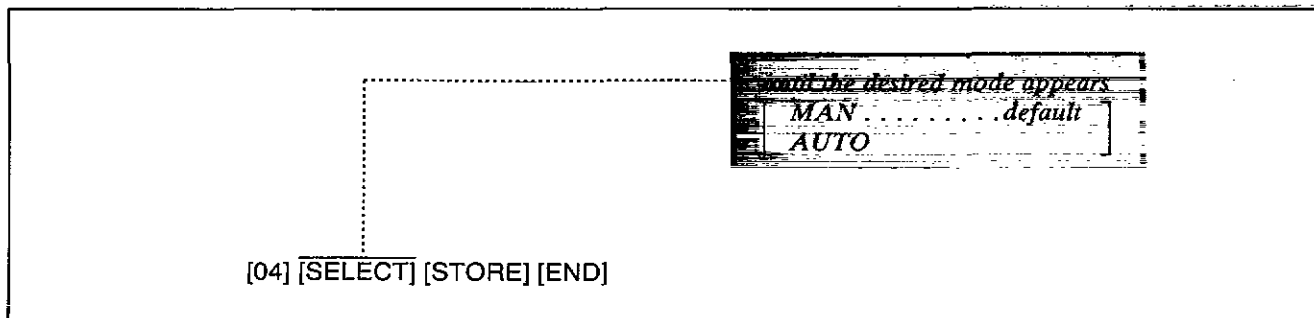
Conditions

- When you start the programming from step 1, you may dial the desired CO number instead of the NEXT button at step 2.
- The PREV button allows you to see the entry status in the previous CO dial mode.
- If the KX-T30810BE is installed behind a host PBX which receives both tone and pulse dial mode, the KX-T30810BE must be used only tone dial mode.

Programming Table

See page 5-13.

Switching Mode (Day/Night Service)



Description

Allows Day/Night service to be selected manually or automatically.

In case of manual switching, refer to "Flexible Night Service" page 3-34.

In case of automatic switching, set the "Starting Time (Day/Night Service)" page 2-10.

The following features should be set.

- "Flexible Day Outward Dialling Assignment" page 2-12
- "Flexible Night Outward Dialling Assignment" page 2-13
- "Flexible Day Ringing Assignment" page 2-14
- "Flexible Night Ringing Assignment" page 2-15

Programming

1. Dial (04).
"MODE CHANGE:MAN" will be displayed and "MAN" will blink.
2. Press the SELECT button to alternate between "MAN" and "AUTO" to select the desired mode.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Condition

When the Switching mode (Day/Night Service) is set to "AUTO", the present Day/Night Service mode doesn't change just after you programmed. To change the present mode, manual operation is required.

After you selected the Starting time (Day/Night Service), page 2-10, select the present Day/Night mode by "Flexible Night Service", page 3-34.

Programming Table

See page 5-13.

Starting Time (Day/Night Service)

A = [01] (o'clock): starting time for day service
 [08] (o'clock) default
 [12] (o'clock)

B = [00] (minute) default
 [01] (minute)
 [59] (minute)

until desired mode appears
 P.M default
 A.M

C = [01] (o'clock): starting time for night service
 [08] (o'clock) default
 [12] (o'clock)

D = [00] (minute) default
 [01] (minute)
 [59] (minute)

until desired mode appears
 P.M default
 A.M

[05] [A] [↓] [B] [↓] [SELECT] [STORE] [NEXT] [C] [↓] [D] [↓] [SELECT] [STORE] [END]

Description

If you select automatic switching mode for day/night service, enter a starting time. Refer to "Switching Mode (Day/Night Service)", page 2-9.

Programming

1. Dial (05).
"DAY: 09:00 AM" will be displayed as a default value and "09" will blink.
2. Enter a starting time for day service using 2 digits.
3. Press the "▶" button.
"00" will blink.
4. Enter the minute using 2 digits.
5. Press the "▶" button.
"AM" will blink.
6. Press the SELECT button to alternate between "AM" and "PM" to select the correct setting.
7. Press the STORE button.
8. Press the NEXT button.
"NIGHT: 05:00 PM" will be displayed as a default value and "05" will blink.
9. Enter a starting time for night service using 2 digits.
10. Press the "▶" button.
"00" will blink.
11. Enter the minute using 2 digits.
12. Press the "▶" button.
"PM" will blink.
13. Press the SELECT button to alternate between "AM" and "PM" to select the correct setting.
14. Press the STORE button.
15. To return to the initial program mode, press the END button.

Conditions

- If the NEXT button is pressed at step 2 through 6, the display will advance to the "Night Time input" mode (step 8). The operations of step 2 through 6 are not stored.
- If the PREV button is pressed at step 9 through 13, the display will return to the "day time input" mode (step 1). The operations of step 9 through 13 are not stored.

Example:

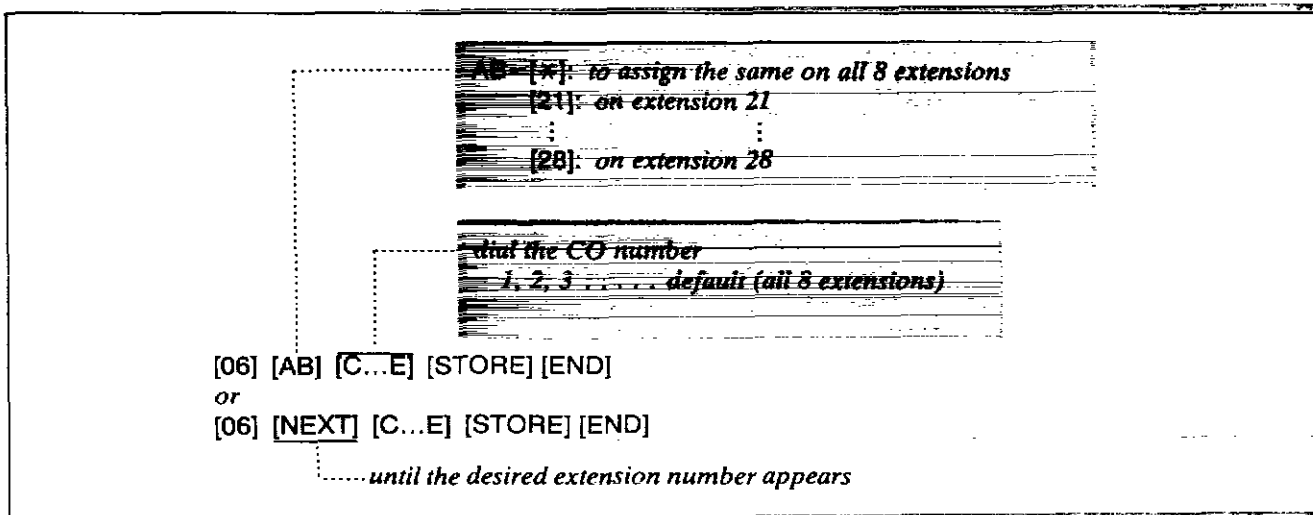
8:30 AM... starting time for day plan
6:30 PM... starting time for night plan

[05] [08] [▶] [30] [▶] [STORE] [NEXT] [06] [▶]
[30] [▶] [STORE] [END]

Programming Table

See page 5-13.

Flexible Day Outward Dialling Assignment



Description

Through programming, you can select which extensions may be used for outward dialling by using the day mode of operation.

Programming

1. Dial (06).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: CO 1, 2, 3" will be displayed and "1, 2, 3" will blink.
3. Dial the CO number to be entered.
The desired combination of CO Lines will be displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment on the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the CO assignment.
- To prohibit dialling, see the "Toll Restriction—Area Code Selection" on page 2-17.

Example: COMPANY XYZ

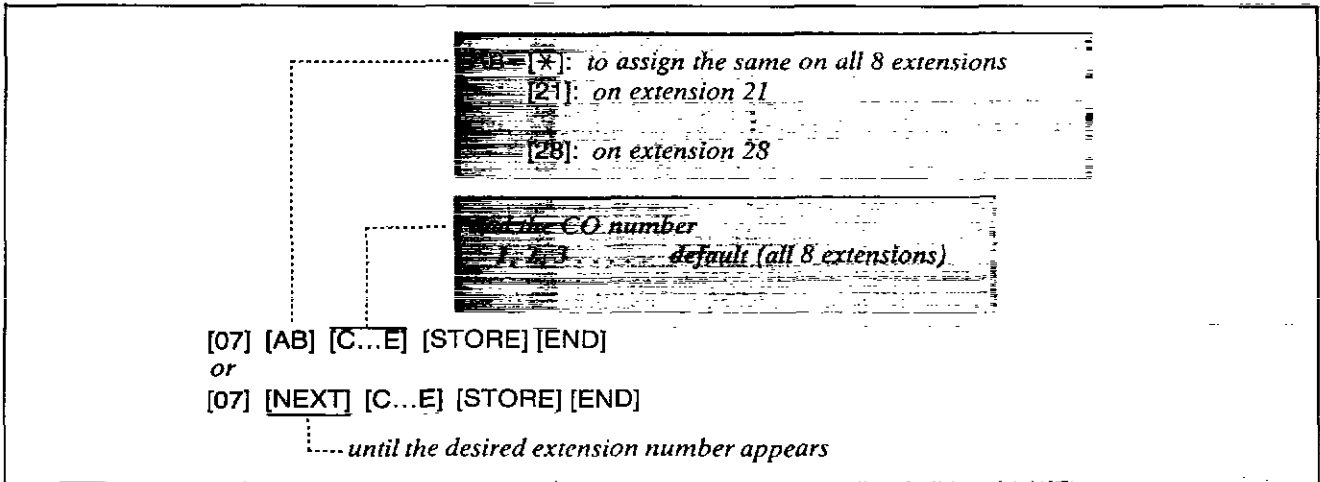
Company XYZ wants only extension 21 and 25 to have access to CO 1, 2 and 3 on outgoing calls during the day. Extensions 22, 23, 24, 26, 27 and 28 are to be programmed for access to only CO 1 and 2.

1. [06] [(NEXT) or (21)] [1] [2] [3]
[STORE]
2. [NEXT] [1] [2] [STORE]
3. [NEXT] [1] [2] [STORE]
4. [NEXT] [1] [2] [STORE]
5. [NEXT] [1] [2] [3] [STORE]
6. [NEXT] [1] [2] [STORE]
7. [NEXT] [1] [2] [STORE]
8. [NEXT] [1] [2] [STORE] [END]

Programming Table

See page 5-13.

Flexible Night Outward Dialling Assignment



Description

Through programming, you can select which extensions may be used for outward dialling by using the night mode of operation.

Programming

1. Dial (07).
"ENTER EXT NO." will be displayed.
2. Press the NEXT button.
"21: CO 1, 2, 3" will be displayed and "1, 2, 3" will blink.
3. Dial the CO numbers to be entered.
The desired combination of CO Lines will be displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment on the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the CO assignment.
- To prohibit dialling, see the "Toll Restriction—Area Code Selection" on page 2-17.

Example: COMPANY XYZ

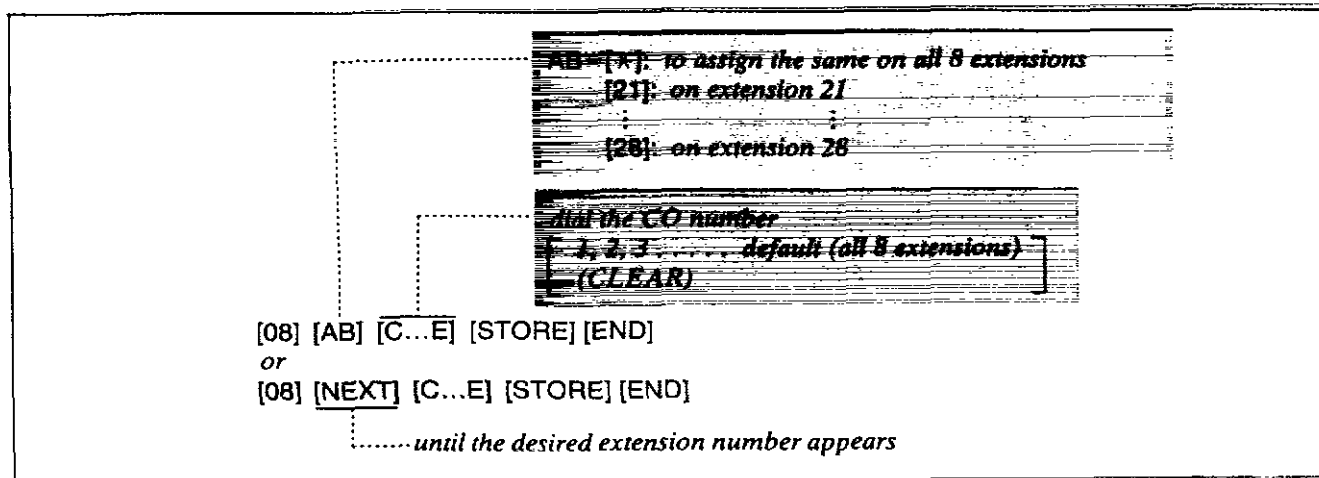
Company XYZ wants extensions 21, 23 and 26 to have access to CO 1, 2 and 3 on outgoing calls during the night. Extensions 22, 24, 25, 27 and 28 are to be programmed for access to only CO 1 and 2.

1. [07] [(NEXT) or (21)] [1] [2] [3] [STORE]
2. [NEXT] [1] [2] [STORE]
3. [NEXT] [1] [2] [3] [STORE]
4. [NEXT] [1] [2] [STORE]
5. [NEXT] [1] [2] [STORE]
6. [NEXT] [1] [2] [3] [STORE]
7. [NEXT] [1] [2] [STORE]
8. [NEXT] [1] [2] [STORE] [END]

Programming Table

See page 5-13.

Flexible Day Ringing Assignment



Description

Through programming, you can select which extensions will ring on incoming calls from the Central Office during the day time.

Programming

1. Dial (08).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: CO 1, 2, 3" will be displayed and "1, 2, 3" will blink.
3. Dial the CO numbers to be entered.
The desired combination of CO Line will be displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment on the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the CO assignment.

Example:

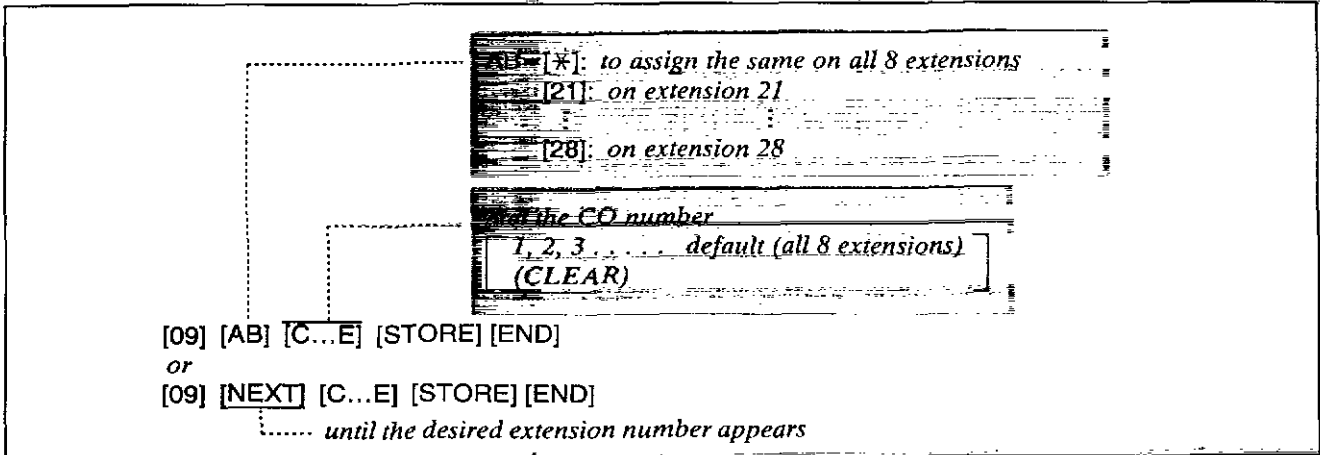
Incoming calls from Central Office during the day are programmed to ring at extension 21 only.

1. [08] [*] [CLEAR] [STORE]
2. [NEXT] [1] [2] [3] [STORE] [END]

Programming Table

See page 5-13.

Flexible Night Ringing Assignment



Description

Through programming, you can select which extensions will ring during the night time on incoming calls from the Central Office.

Programming

1. Dial (09).
 "ENTER EXT NO" will be displayed.
2. Press the NEXT button.
 "21: CO 1, 2, 3" will be displayed and "1, 2, 3" will blink.
3. Dial the CO numbers to be entered.
 The desired combination of CO Line will be displayed.
 [To prohibit ringing, press the CLEAR button instead of CO number.
 "21: CO....." will be displayed.
4. Press the STORE button.
 The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment of the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the CO assignment.

Example: COMPANY XYZ

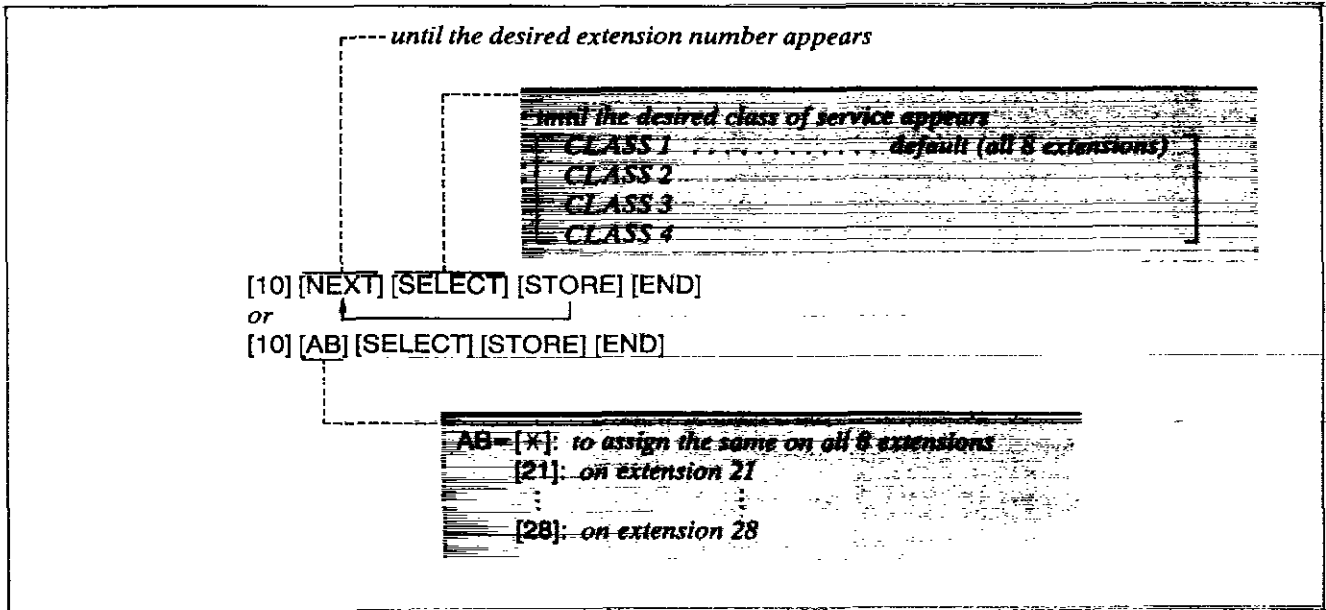
Company XYZ would like all incoming calls to ring at all extensions during the nighttime.

[09] [*] [1][2][3] [STORE] [END]

Programming Table

See page 5-14.

Toll Restriction—Class Assignment



Description

Toll restriction can help eliminate telephone abuse and contribute to controlling telephone costs.

There are four service of classes available for each extension.

Service Class Selections		
Class	Allowed	Denied
1	All area codes	
2	<ul style="list-style-type: none"> • Any area codes except ones programmed to be denied • Area codes programmed to be allowed (Memory location) 00-09 	10 area codes programmed to be denied except allowed area codes (Memory location) 00-09
3	<ul style="list-style-type: none"> • Any area codes except ones programmed to be denied • Area codes programmed to be allowed (Memory location) 00-04 	20 area codes programmed to be denied except allowed codes (Memory location) 00-19
4	Extension calls	All area codes

• For Service Class 2 and 3, see "Toll Restriction—Area Code Selection" on pages 2-17 and 2-32 in the Installation Manual.

Programming

1. Dial (10).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: CLASS 1" will be displayed and "1" will blink.
3. Repeat pressing the SELECT button until the desired class is displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment on the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

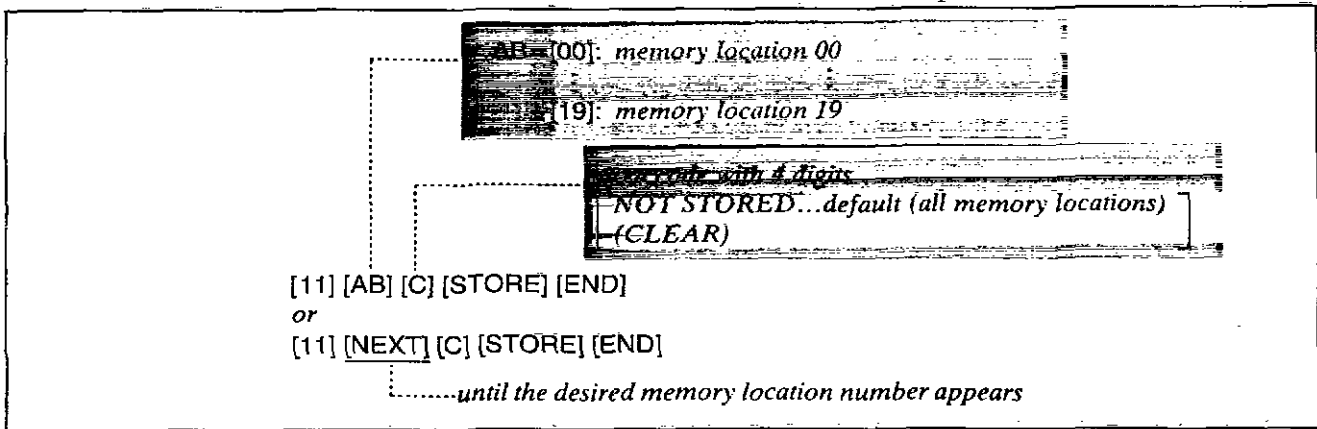
- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the service class assignment.
- It is possible to dial the BTL emergency (999) and (112) services and the speed dialling in toll dialling.

Programming table

See page 5-14.

Toll Restriction—Area Code Selection

Denied Code



Description

For Service Class 2 or 3 (see "Toll Restriction") up to 10 or 20 area codes can be selected for use in toll dialling. Area codes programmed will be denied. All extensions programmed for Service Class Selections shall be assigned to the same area code selection plan.

- Memory locations 00~09 are effective to class 2 and 3. Memory locations 10~19 are effective to only Class 3.

Programming

When Service Class 3 is programmed;

1. Dial (11).
"ENTER CODE NO." will be displayed.
2. Dial (00 through 19) or press the NEXT button.
3. Dial the area code, with 4 digits.
• To erase a wrong enter, press the CLEAR button.
4. Press the STORE button.
• The STORE indicator will be lit.
5. 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 the desired memory location number, press SELECT button and dial the memory location number.
6. Repeat steps 3 to 5.
7. To return to the initial program mode, press the END button.

Conditions

- An area code should consist of 4 digits.
- * substitutes for any unspecified numbers, see the following example.

Example 1:

To deny extension 24 to have access to the area code 036 and the area code which has 8 on the first digit in the service class 2: Enter 036 to the memory location 00 and 8 to 01. Use * for the substitution of the unspecified number, because the programmed area code should consist of 4 digits.

step 1:

[10] [24] [SELECT] [STORE] [END]

step 2:

[11] [NEXT] [036] [STORE] [NEXT]
[8**] [STORE] [END]

8** means all area codes which have 8 on the first digit.

Example 2:

To prohibit extension 25 to have access to the outside line in the service class 2: Enter *** to the memory location 02.

step 1:

[10] [25] [SELECT] [STORE] [END]

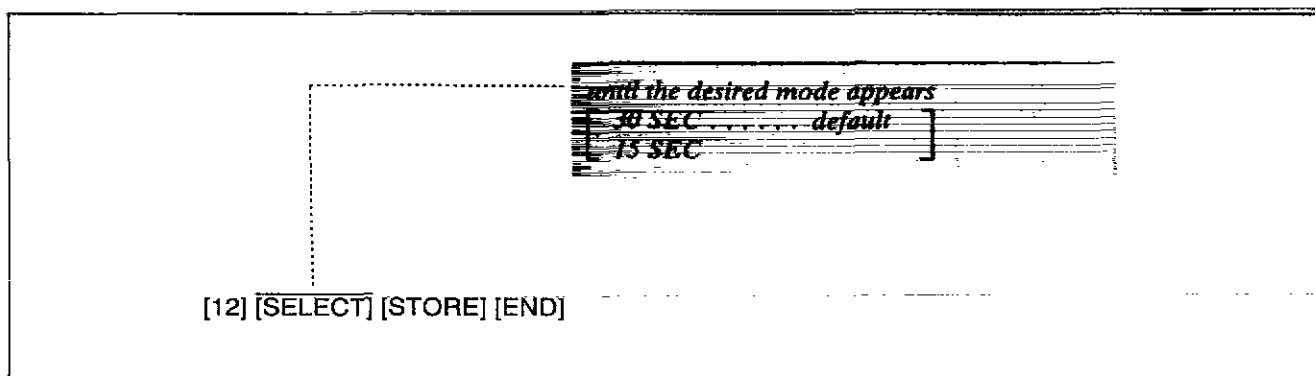
step 2:

[11] [02] [***] [STORE] [END]

Programming table

See page 5-14.

Transfer Recall Time



Description

When a call is transferred to another extension, and the extension does not receive the transferred call within 30 seconds, the call will return to you.

This time may be changed to 15 seconds.

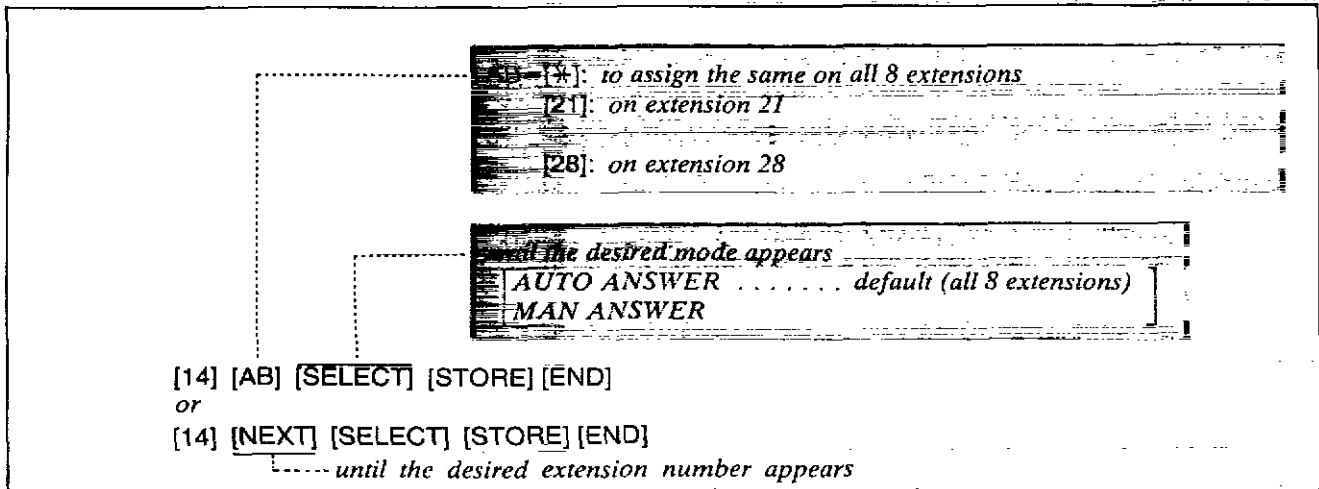
Programming

1. Dial (12).
"30 SEC" will be displayed and blink.
2. Press the SELECT button to alternate between "30 SEC" and "15 SEC" to select the desired mode.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode press the END button.

Programming Table

See page 5-14.

Automatic Answering (Automatic/Manual) Selection



Description

By programming either automatic or manual answering can be set. The auto mode allows the user to answer incoming outside calls simply by lifting the handset, while if programmed to the manual mode, the user must lift the handset and press the flashing CO button.

Programming

1. Dial (14).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: AUTO ANSWER" will be displayed and "AUTO" will blink.
3. Press the SELECT button to alternate between AUTO ANSWER and MAN ANSWER to select the desired mode.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the mode selection of the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the automatic answering selection.

Examples:

- AUTO ANSWER mode on the extension 21
[14] [21] [STORE] [END]
or
[14] [NEXT] [STORE] [END]
- MANUAL ANSWER mode on the extension 22
[14] [22] [SELECT] [STORE] [END]
or
[14] [NEXT] [NEXT] [SELECT] [STORE] [END]

Programming Table

See page 5-14.

Duration Time Count Start Mode

[17] [SELECT] [STORE] [END]

wait desired time appears
INSTANTLY
5S AFTER DIAL . . . default
10S AFTER DIAL

Description

The duration time of the conversation is displayed.

Program the start time of the timing.

- Instantly after the CO line is captured.
- 5 seconds after the dialling
- 10 seconds after the dialling

Programming Table

See page 5-15.

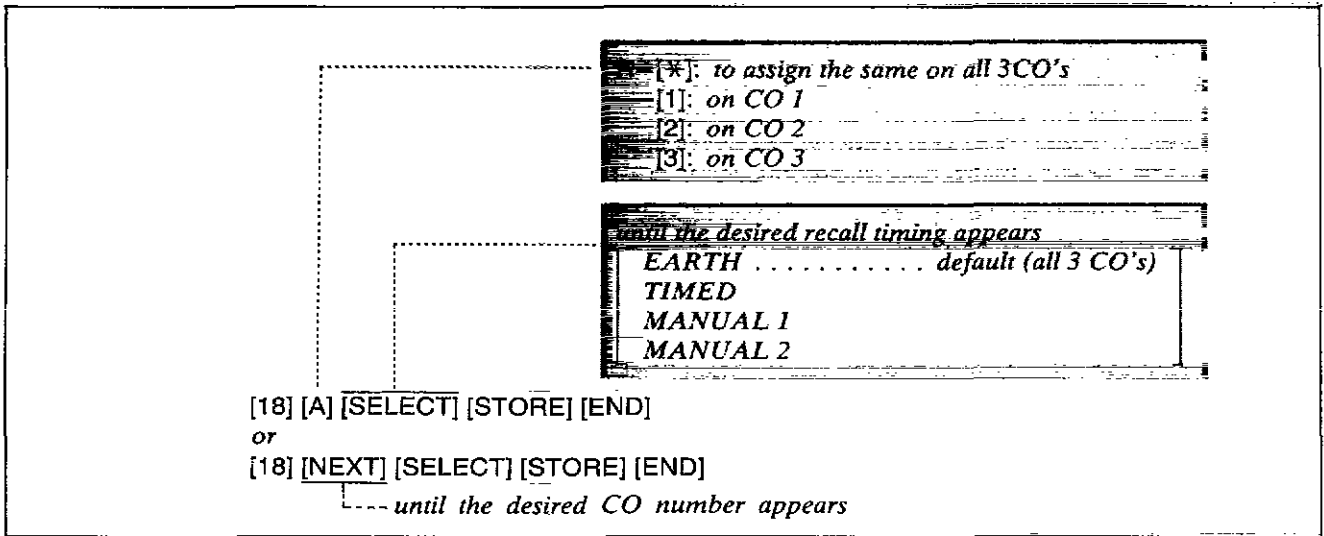
Programming

1. Dial (17).
"5S AFTER DIAL" will be displayed and blink.
2. Repeat pressing the SELECT button until the desired time (INSTANTLY, 5S AFTER DIAL, 10S AFTER DIAL) is displayed.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Example:

10 seconds after the dialling
=[17] [SELECT] [STORE] [END]

Register Recall Signal



Description

The Register Recall Signal must be within the requirements from your CO. There are four choices available EARTH, TIMED, MANUAL 1 or MANUAL 2.

Programming

1. Dial (18).
"ENTER CO NO" will be displayed.
2. Press the NEXT button.
"CO 1: EARTH" will be displayed and "EARTH" will blink.
3. Repeat pressing the SELECT button until the desired value is displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 or 4, to set the hookswitch timing of the other CO's.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired CO number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous CO for displaying the Register Recall Signal.
- The timing of the register recall signal of MANUAL 1 and MANUAL 2 is as follows:
 MANUAL 1...300 MS
 MANUAL 2...600 MS
 If you continue to push the RECALL button more than 300 MS or 600 MS, the CO line is disconnected as long as you are pushing the button.
- If TIMED mode is selected, the CO line is disconnected for 64 MS whenever you push the RECALL button.

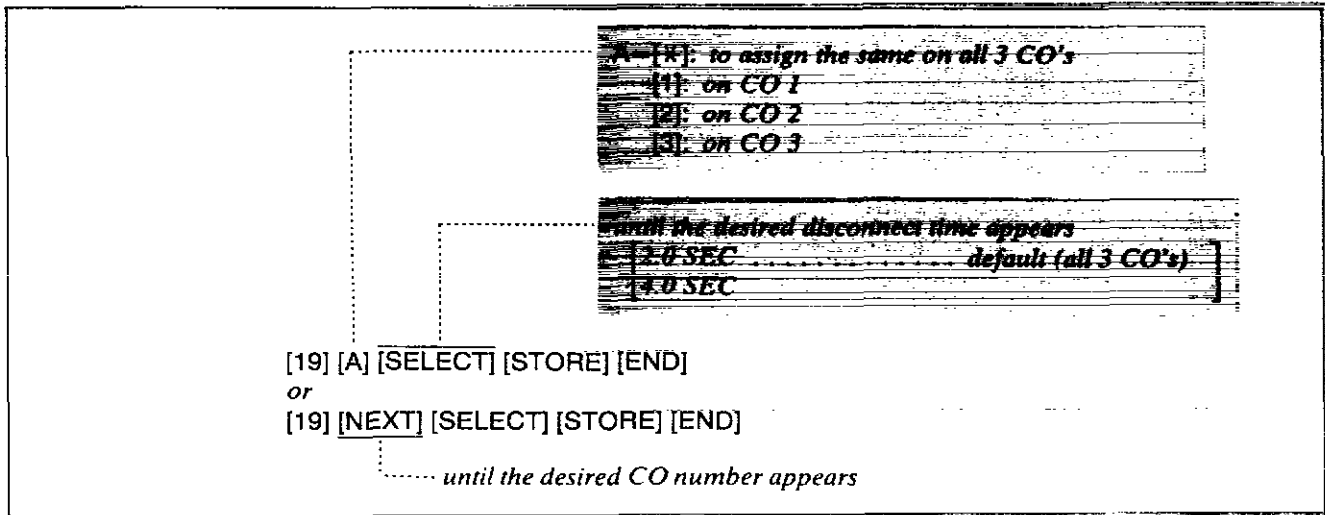
Example:

- TIMED on all 3 CO=
 [18] [*] [SELECT] [STORE] [END]

Programming Table

See page 5-15.

Disconnect Time



Description

A certain amount of time is needed for an outside call to be released, it is necessary so that new calls may be attempted after disconnecting with the previous calls.

There are two choices available, 2.0 and 4.0 seconds.

The time you select must be longer than the requirements from your Central Office or host PBX.

Programming

1. Dial (19).
"ENTER CO NO" will be displayed.
2. Press the NEXT button.
"CO 1: 2.0 SEC" will be displayed and "2.0 SEC" will blink.
3. Press the SELECT button to alternate between 2.0 sec and 4.0 sec.
4. Press the STORE button.
The blinking figures will stop.

5. Repeat steps 2 to 4, to set the disconnect time for the other CO's.

6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired CO number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous CO for displaying the disconnect time.

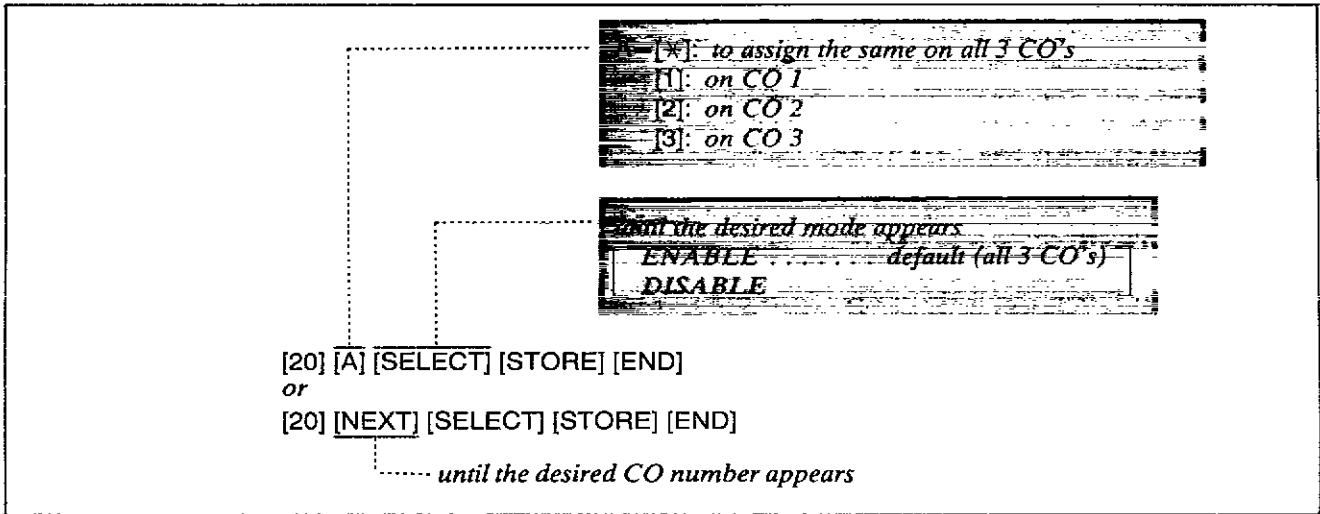
Example:

- 4.0 sec on all 3 CO=
[19] [*] [SELECT] [STORE] [END]

Programming Table

See page 5-15.

Calling Party Control (CPC) Signal



Description

To detect that an outside party has hung up and then terminate the outside (after a conversation, conference, etc.) a CPC signal is needed. CPC signal can be removed or added at customer's request.

Programming

1. Dial (20).
"ENTER CO NO" will be displayed.
2. Press the NEXT button.
"CO 1: ENABLE" will be displayed and "ENABLE" will blink.
3. Press the SELECT button, to alternate between ENABLE and DISABLE to select the desired mode.
4. Press the STORE button.
The blinking figures will stop.

5. Repeat steps 2 to 4, to program the assignment of the other CO's.

6. To return to the initial program mode, press the END button.

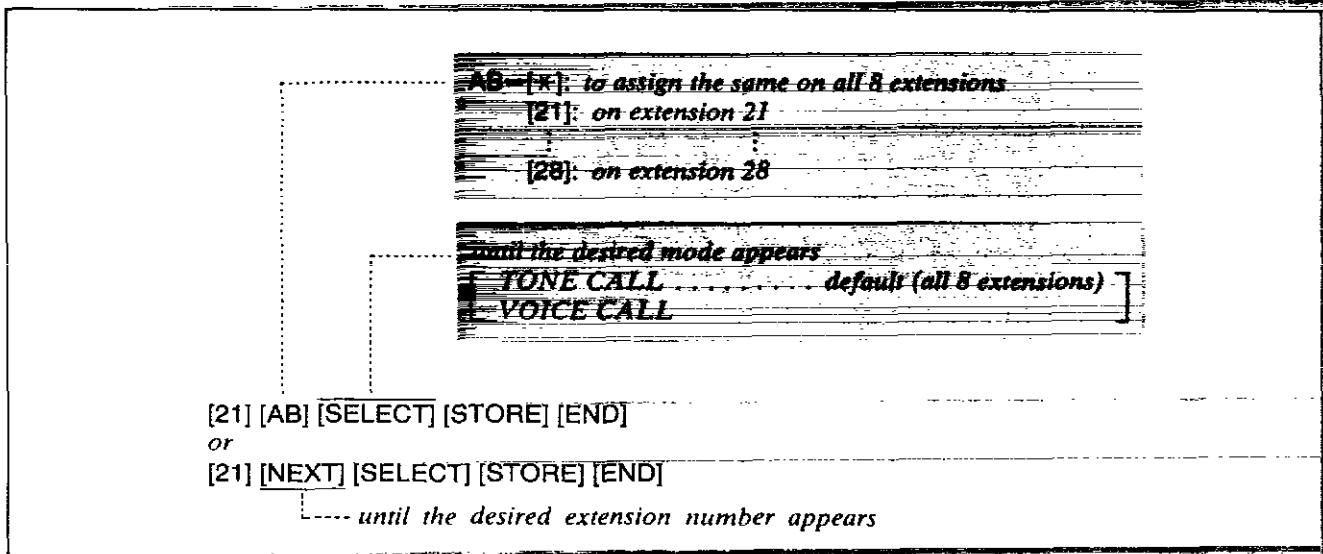
Conditions

- When you start the programming from step 1, you may dial the desired CO number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous CO for displaying the calling party control signal selection.

Programming Table

See page 5-15.

Intercom Alerting Mode



Description

The intercom alerting mode (tone alerting/voice alerting) at a receiving extension can be selected through programming.

TONE... Tone alerting (ringing) sounds at the receiving extension.

VOICE... Voice alerting instead of Tone alerting is heard through the speaker on the receiving extension.

Programming

1. Dial (21).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: TONE CALL" will be displayed and "TONE" will blink.
3. Press the SELECT button to alternate between TONE CALL and VOICE CALL to select the desired mode.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4 to program the call mode of the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the alerting mode.

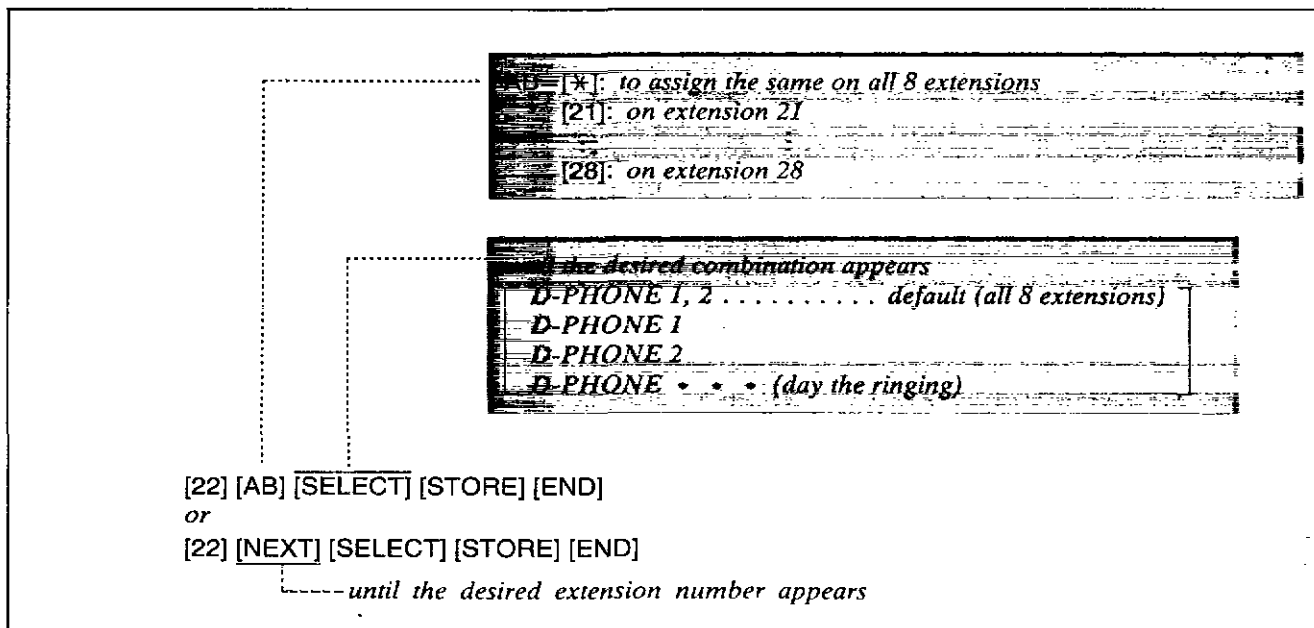
Example:

- VOICE CALL on the extension 23
[21] [23] [SELECT] [STORE] [END]

Programming Table

See page 5-15.

Programmable Doorphone



Description

Allows each extension to be programmed for receiving calls from up to 2 doorphones. The doorphone is option.

Programming

1. Dial (22).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21: D-PHONE 1, 2" will be displayed and "1, 2" will blink.
3. Repeat pressing the SELECT button until the desired combination of doorphones (which are to be connected to that extension) is displayed.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the combination of the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the doorphone assignment.

Example:

- To allow extension 22 to receive from D-PHONE 2
[22] [22] [SELECT] [SELECT] [STORE]
[END]

Programming Table

See page 5-15.

Dial Call Pickup Group Assignment

[23] [*]: to assign the same on all 8 extensions
 [21]: on extension 21
 .
 [28]: on extension 28

until desired combination appears

PICKUP-G: 1 default (all 8 extensions)
 PICKUP-G: 2
 PICKUP-G: 1, 2
 PICKUP-G: (out of the group)

[23] [AB] [SELECT] [STORE] [END]
 or
 [23] [NEXT] [SELECT] [STORE] [END]
 -----until the desired extension number appears

Description

Permits an extension user to answer other ringing telephones, provided that they are in the same pickup group.

Programming

1. Dial (23).
 "ENTER EXT NO" will be displayed.
2. Press the NEXT button.
 "21: PICKUP-G: 1" will be displayed and "1" will blink. This means that extension 21 belongs to pickup group 1.
3. Repeat pressing the SELECT button until the desired group combination is displayed.
4. Press the STORE button.
 The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment of the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- Each extension may belong to more than one pickup group, up to two, or does not belong the group.
- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the pickup group assignment.

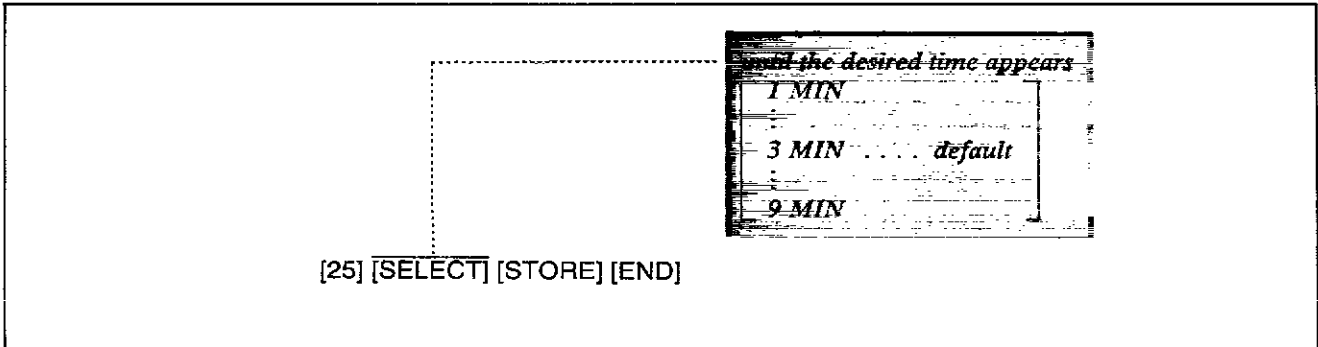
Examples:

- extension 24...Pickup Group 1
 [23] [24] [STORE] [END]
- extension 25...Pickup Group 2
 [23] [25] [SELECT] [STORE] [END]

Programming Table

See page 5-15.

Hold Time Reminder



Description

A tone indication will be heard at the holding extension to remind user that he still has a call on hold.

The reminder will be sounded after 3 minutes but can be changed.

There are 9 choices ranging from (1) minute to (9).

Condition

The hold time reminder is activated, even if the hold recall time set is programmed to "DIS-ABLE".

Example:

4 minutes=[25] [SELECT]
[STORE] [END]

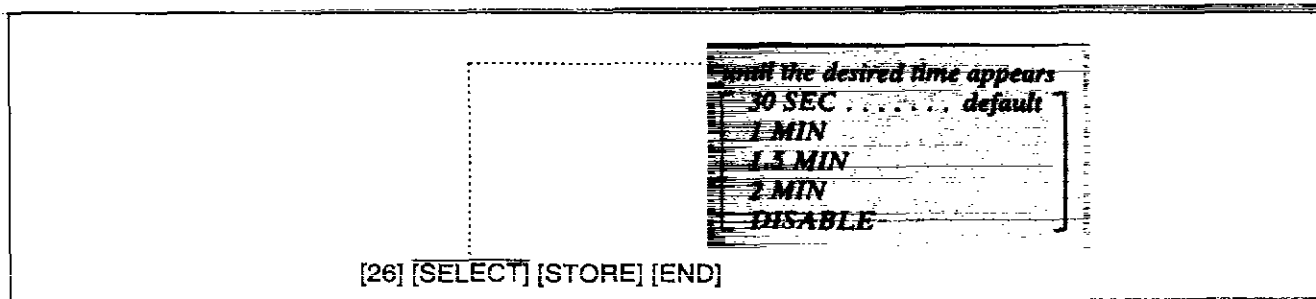
Programming

1. Dial (25).
"TIME: 3 MIN" will be displayed and "3" will blink.
2. Repeat pressing the SELECT button until the desired time is displayed.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Programming Table

See page 5-16.

Hold Recall Time Set



Description

When the handset of the holding extension is replaced on calls, you may have automatic hold recall after the desired time elapses. The hold recall time set can be removed or added at customer's request.

Example:

1.5 minutes = [26] [SELECT] [SELECT]
[STORE] [END]

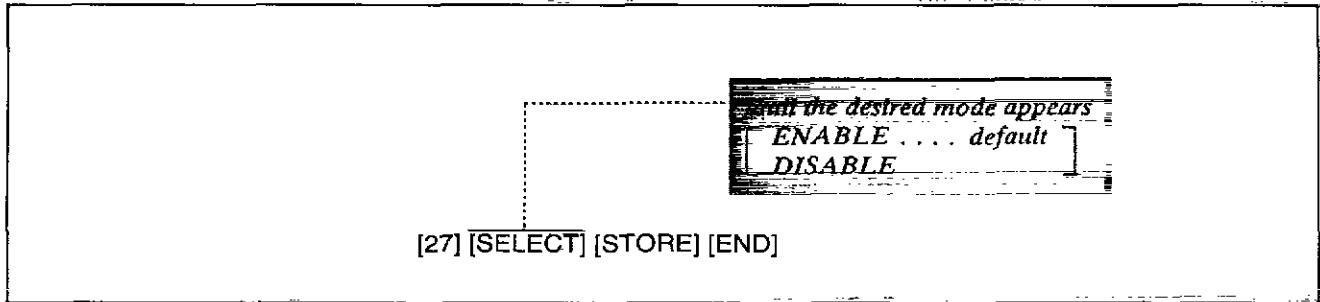
Programming Table

See page 5-16.

Programming

1. Dial (26).
"TIME: 30 SEC" will be displayed and "30 SEC" will blink.
2. Repeat pressing the SELECT button until the desired time (30 SEC, 1 MIN, 1.5 MIN, 2 MIN, DISABLE) is displayed.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Programmable External Paging Access Tone



Description

The acknowledge tone that is heard after accessing the external paging can be removed or added at the customer's request.

Example:

To eliminate the paging access tone.
[27] [SELECT] [STORE] [END]

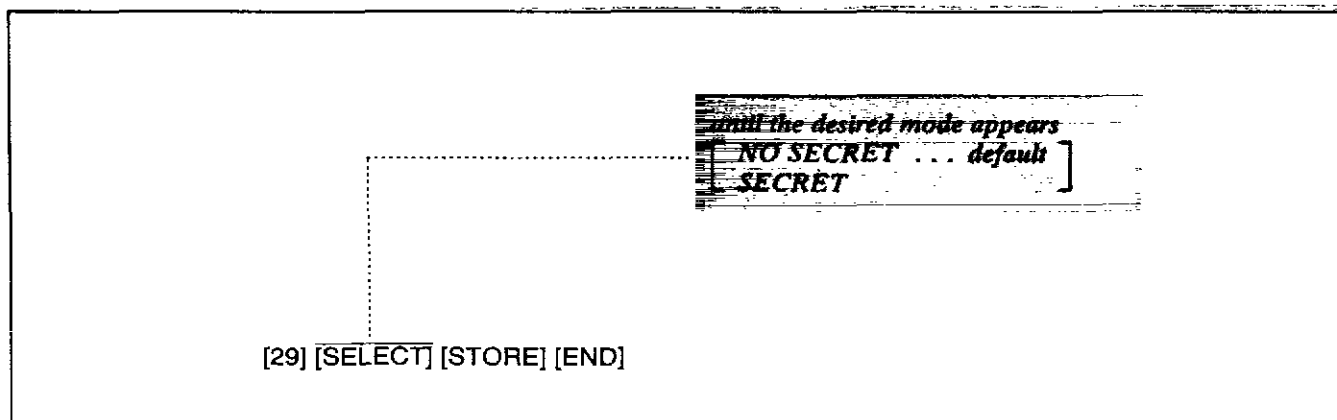
Programming

1. Dial (27).
"ENABLE" will be displayed and blink.
2. Press the SELECT button to alternate between ENABLE and DISABLE to select the desired mode.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Programming Table

See page 5-16.

Programmable Secret Auto Dial



Description

When you dialled on outside line by speed dialling, the dialled number can be secret. The dialled number will not be displayed on the LCD of the KX-T7130E.

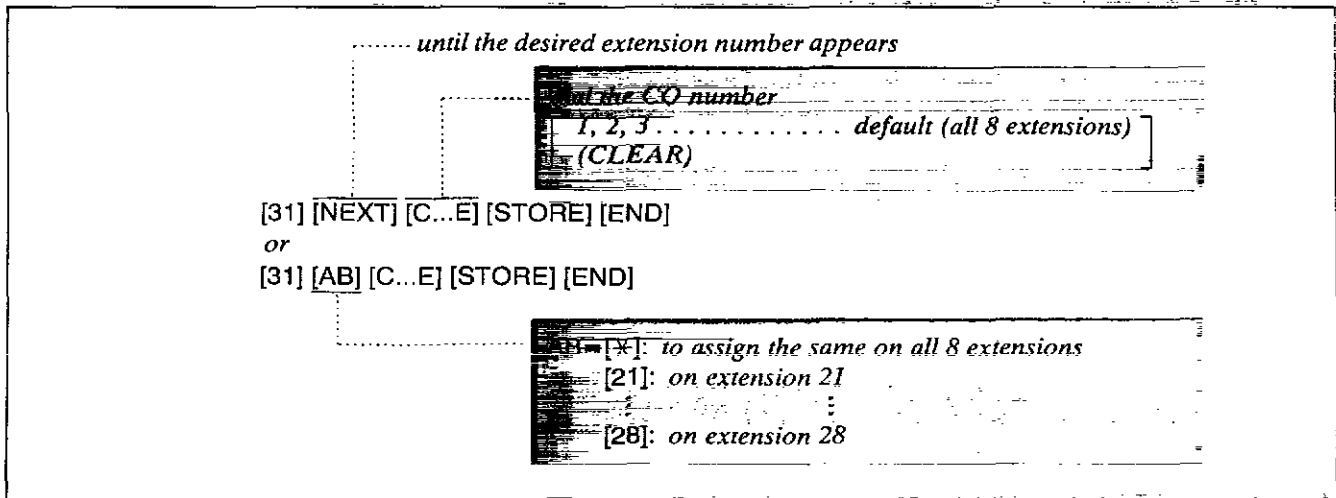
Programming

1. Dial (29).
"NO SECRET" will be displayed and blink.
2. Press the SELECT button to alternate between "NO SECRET" and "SECRET" to select the desired mode.
3. Press the STORE button.
The blinking figures will stop.
4. To return to the initial program mode, press the END button.

Programming Table

See page 5-16.

Automatic Designated CO Line Access



Description

Through programming, you can select which CO Line is accessed automatically when you dial 9 to use the "Automatic Line Access" feature or you use the "Auto CO Hunting" feature.

Programming

1. Dial (31).
"ENTER EXT NO" will be displayed.
2. Press the NEXT button.
"21:CO 1, 2, 3" will be displayed and "1, 2, 3" will blink.
3. Dial the CO Numbers to be entered.
To cancel the entered CO Number, press the CLEAR button.
4. Press the STORE button.
The blinking figures will stop.
5. Repeat steps 2 to 4, to program the assignment on the other extensions.
6. To return to the initial program mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of the NEXT button at step 2.
- The PREV button allows you to go to the previous extension for displaying the CO assignment.

Operation

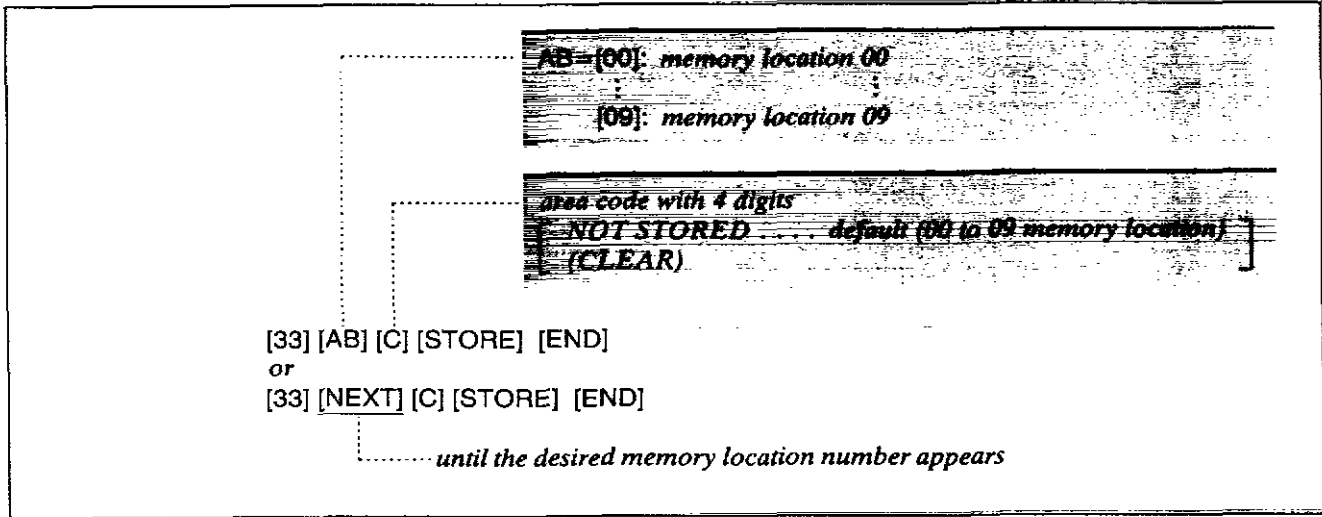
- See page 3-2 or 4-1 "Automatic Line Access".
- The programmed CO line will be selected after dialling 9 automatically.

Programming Table

See page 5-16.

Toll-Restriction—Area Code Selection

Allowed Code



Description

Up to 5 or 10 area codes can be programmed for use in toll dialling, in spite of toll restriction of class 2 and 3.

The allowed area codes have priority over any other programmed codes under each classes.

- Memory locations 00~04 are effective to class 2 and 3. Memory locations 05~09 are effective to only class 2.

Programming

When Service Class 2 is programmed;

1. Dial (33).
"ENTER CODE NO." will be displayed.
2. Dial (00 through 09) or press the NEXT button.
3. Dial the area code with 4 digits.
• To erase a wrong number, press the CLEAR button.
4. Press the STORE button.
The STORE indicator will be lit.

5. 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 the desired memory location number, press SELECT button and dial the memory location number.
6. Repeat step 3 to 5.
7. To return to the initial program mode, press the END button.

Conditions

- An area code should consist of 4 digits.
- * substitutes for any unspecified numbers, see the following example.

Example:

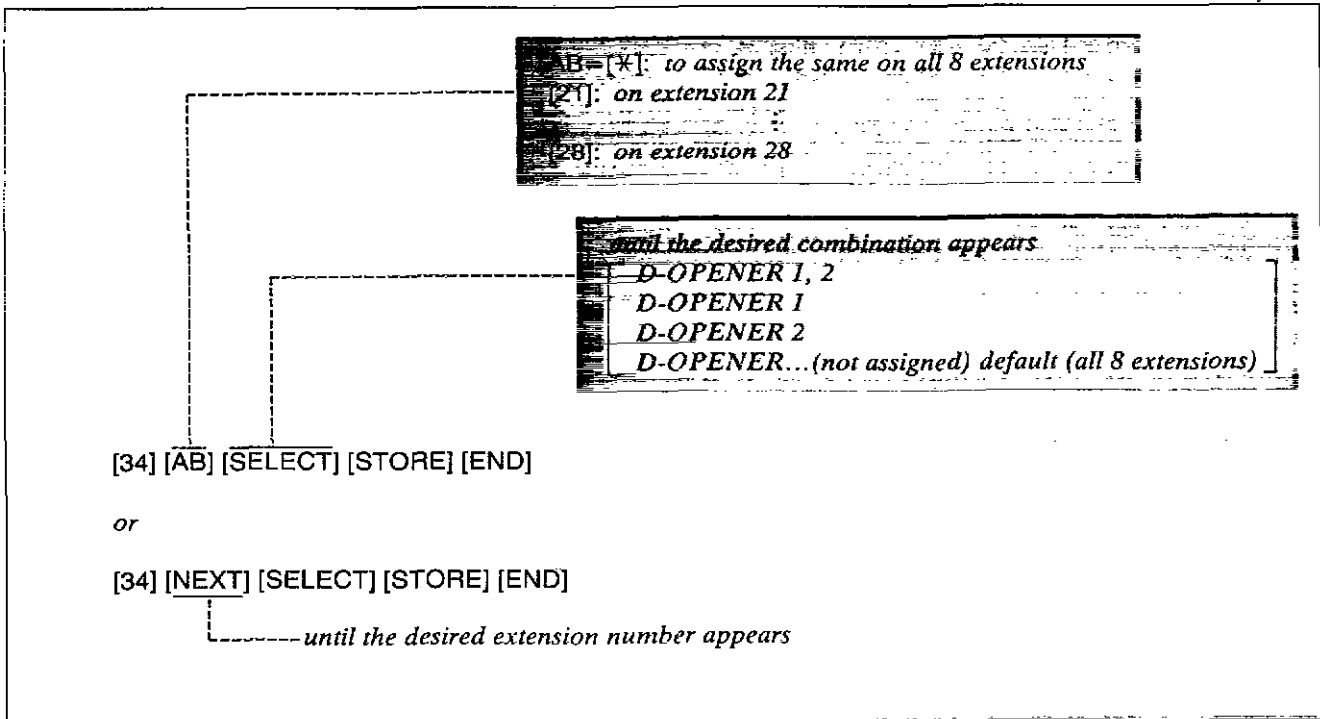
To allow extension 24 to have access to 03, the area code which has unspecified number on the last digit in the service class 3:

Enter 03* to the memory location 00.
[33] [NEXT] [03*] [STORE] [END]

Programming Table

See page 5-16.

Door Opener Assignment



Description

Allows each extension to be programmed for unlocking the door. Up to 2 Door Openers can be connected to the system.

Programming

1. Dial (34).
2. Press the NEXT button.
"21: D-OPENER..." will be displayed and "... " will blink.
3. Keep pressing the SELECT button until the desired combination of door opener is displayed.
4. Press the STORE button.
The LCD will stop blinking.
5. Repeat steps 2 to 4 to program the combination of the other extensions.
6. To return to the initial programming mode, press the END button.

Conditions

- When you start the programming from step 1, you may dial the desired extension number instead of NEXT button at step 2.
- The PREV button allows you to go to previous extension for displaying the door opener assignment.

Example:

- To allow extension 22 to open the D-OPENER 2.
[34] [22] [SELECT] [SELECT] [SELECT] [STORE] [END]
- For Installation and operation of the Door Opener, see pages 1-13 and 3-39.

Programming Table

See page 5-16.

Least Cost Routing (LCR)

The two telecom companies offering long distance and international calls in the UK;

—the BTL (BRITISH TELECOM LINE) and the MCL (MERCURY LINE).

If the LCR feature is enabled on the PBX, it automatically selects the line with least expensive charges and routes the call via it. It is also possible to specify which lines are used under LCR.

Please make arrangements for using the LCR feature as follows.

Contact with MCL
↓
Receive the Authorization code
↓
Program the LCR
The listed codes shown below must be programmed.

For MCL: MCL Access Code password
Authorization Code

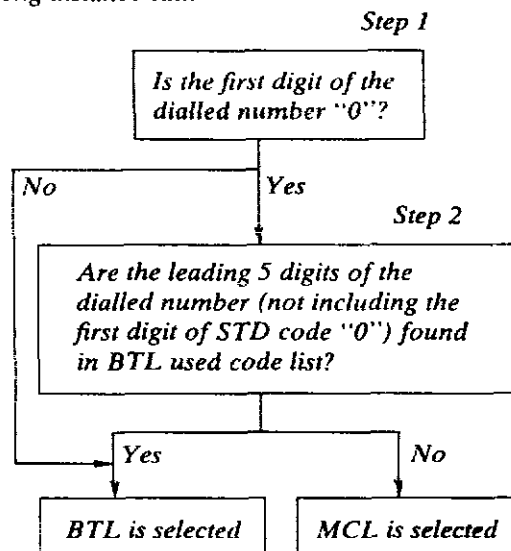
For BTL: BTL Used Code

Condition

When making a call via MCL using LCR, the call is always transmitted in tone mode after the MCL Authorization Code is dialled, even if the dial mode is set to pulse mode.

Process of connecting a line

The following flow chart shows you how the LCR selects which line is appropriate when you make a long distance call.



Example:

User dial 9-0-12345-67-8901.

The area code 12345 is one which can be connected via MCL at a lower cost.

Step 1 Is the first digit of the dialled number "0"?

→ Yes

Step 2 Are the leading 5 digits of the dialled number (not including the first digit of STD code "0") found in BTL used code list?

→ No

Therefore the call is routed via MCL.

Overriding LCR

- If you directly dial MCL access code (default: 131), the call is always routed via MCL. If you directly dial BTL access code "121", the call is always routed via BTL.

Example:

To select MCL, dial as follows:

9+ MCL Access Code+STD Code+
Subscriber Number

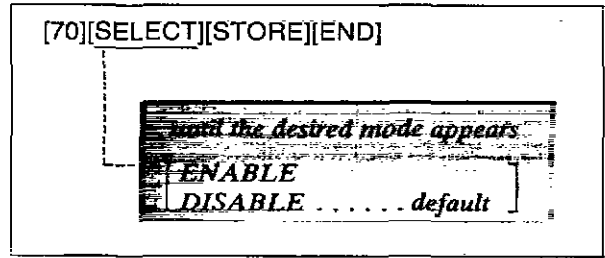
- You may dial 81 through 83 or press CO button instead of the automatic line access number 9.
- The authorization code of a selected outside line is automatically sent without entering it.

Programming

The following programming is necessary to activate the LCR feature.

Please program them in advance.

<1>	LCR Enable or Disable	See page 2-35.
<2>	BTL Used Code	See page 2-36.
<3>	<4>	
	Password	
	MCL Authorization Code	See page 2-37.
<5>	MCL Access Code	See page 3-38.
<6>	Itemized Bill by Extension	See page 2-39.
<7>	BTL Access Code	See page 2-38.

**Description**

You may program whether users use LCR feature or not when they make outside calls.

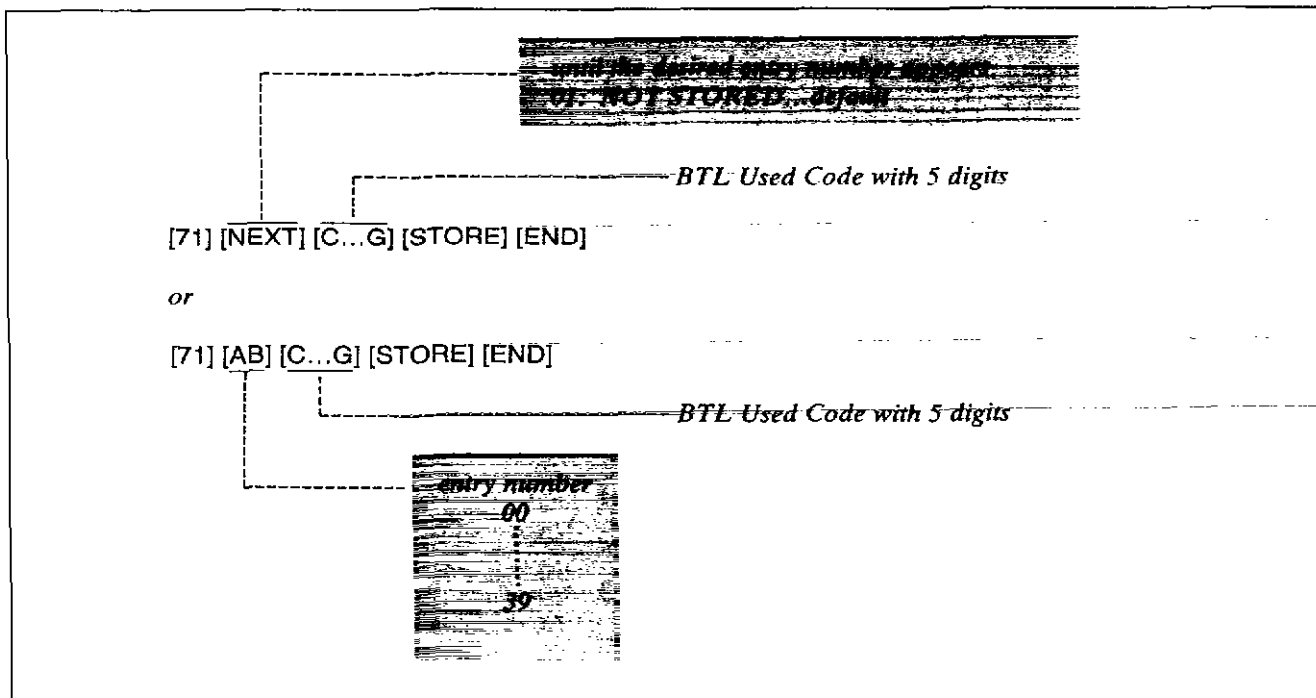
Programming

1. Dial (70).
"LCR: DISABLE" will be displayed.
2. Press the SELECT button.
"LCR: ENABLE" will be displayed.
3. Press the STORE button.
4. The confirmation tone will sound.
5. Press the END button.

Programming Table

See page 5-17.

BTL Used Code



Description

You may store up to 40 area codes which users specify to connect via BTL.

Programming

1. Dial (71).
"ENTER CODE NO." will be displayed.
2. (Choose a or b)
 - a) Press the NEXT button until the desired number is displayed.
 - b) Enter the desired entry number.
Press the CLEAR button, when erasing a wrong number.
3. Enter the 5-digit area code.
4. Press the STORE button.
5. The confirmation tone will sound.
6. Repeat steps 2 to 5 to store the desired area code.
7. Press the END button.

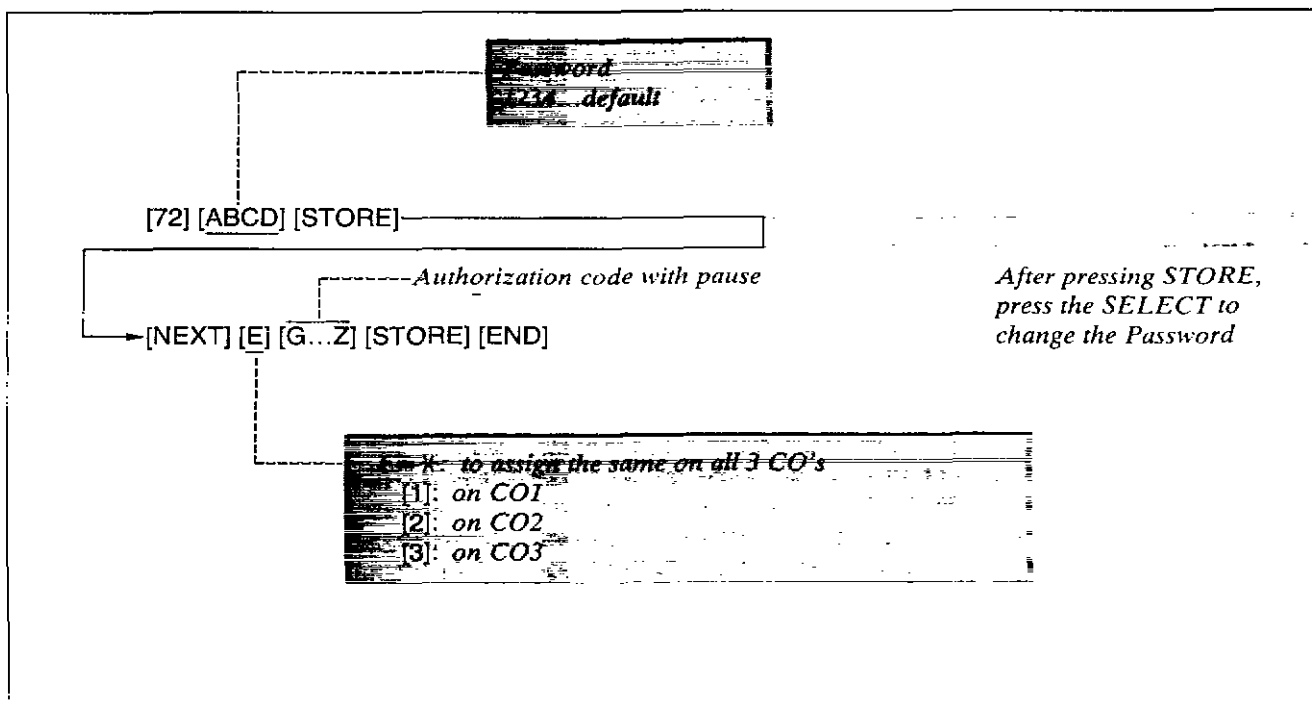
Conditions

- Each area code number should consist of 5 digits.
- "*" substitutes for unspecified digit to fill in the area code.
- The area code means the code without the first digit of STD code. The first digit of STD code is always "0".

Programming Table

See page 5-17.

MCL Authorization Code



Description

The Authorization code is the confidential code number given by the MCL when a user contracts with the MCL. It is provided so that MCL can identify the calls you make for billing purposes.

It is useful for itemizing bills that each CO line stores an Authorization code.

The password is for users security.

Programming

1. Dial (72).
"PASSWORD" will be displayed.
2. Enter a 4-digit password.
3. Press the STORE button.
When you want to change the password, press the SELECT button to go back to step 2.
4. Press the NEXT button.
"ENTER CO NO." will be displayed.
5. Enter CO number.
If you store CO number 01, "01: NOT STORED" will be displayed.
6. Keep pressing the PAUSE button as needed.

7. Enter an Authorization code.
If the Authorization code is 1234567890, enter it.
"1: PP1234567890" will be displayed.
"P" means pause which you entered at step 6.
8. Press the STORE button.
9. The confirmation tone will sound.
10. Repeat steps 4 to 8 to program the other CO lines.
11. When programming is over, press the END button.

Conditions

- Authorization code should consist of less than 20 digits.
- An interval is necessary between the MCL access code and an Authorization code.
When you press the PAUSE button, a letter "P" will be displayed.
See steps 6 and 7 of the programming.
- You may store up to three Authorization codes.

Programming Table

See page 5-17.

MCL Access Code

[73] [A...J] [STORE] [END]

MCL Access code
131...default

Description

This access code is essential so that LCR will connect a certain line with MCL.

Programming

1. Dial (73).
"MCL: 131" will be displayed.
2. Enter the MCL access code.
3. Press the STORE button.
4. The confirmation tone will sound.
5. Press the END button.

Conditions

- Access code should consist of less than 10 digits.
- The MCL Access code is usually 131, but it may vary depending on user's location. Please make sure of it in advance.
- Though the area code is the same as BTL used code under the control of LCR, MCL Access code makes the call connect via MCL.

Dial as follows:

9 or 81 through 83 + MCL Access code +
STD code (0) + phone number

— You may press the CO button instead of dialling
9 or 81 through 83.

Programming Table

See page 5-17.

BTL Access Code

[75] [ABCD] [STORE] [END]

BTL Access code
121...default

Description

This access code is essential so that LCR will connect a certain line with the BTL automatically and intentionally.

Programming

1. Dial (75).
"BT: 121" will be displayed.
2. Enter the BTL access code.
3. Press the STORE button.
4. The confirmation tone will sound.
5. Press the END button.

Conditions

- The BTL Access code consists of less than 4 digits.
- The BTL Access code is usually 121, but it may vary depending on user's location. Please make sure of it in advance.
- Though the area code should be connected via MC under the control of LCR, BTL Access code makes a line connect via BT.

Dial as follows:

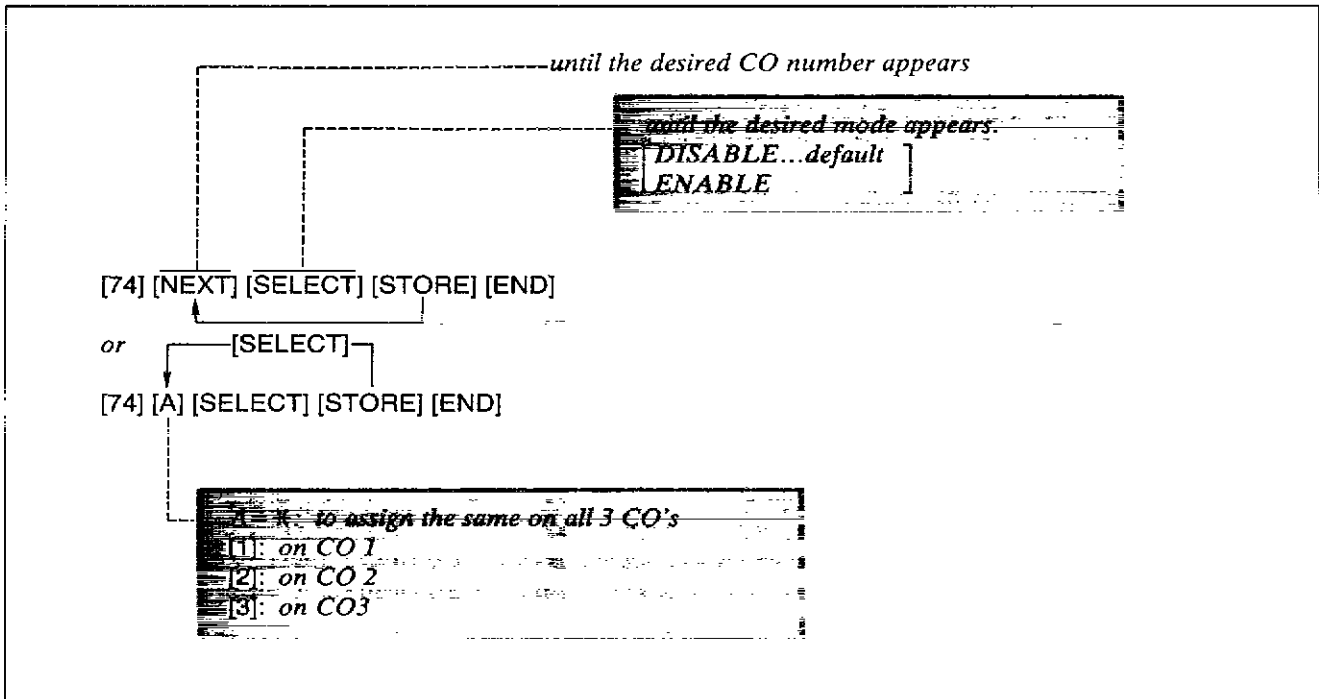
9 or 81 through 86 + BTL Access code
+ STD code + Phone number

— You may press the CO button instead of dialling
9 or 81 through 83.

Programming Table

See page 5-17.

Itemized Bill by Extension



Description

The caller extension number is automatically dialed out in addition to the Authorization code when you make outside calls using MCL. The extension number is sent following the Authorization code.

Conditions

The PREV button allows you to return to the previous CO number.

Programming Table

See page 5-17.

Programming

1. Dial (74).
"ENTER CO NO" will be displayed.
2. Press the NEXT button or dial the CO number (1 through 3).
"CO 1: DISABLE" will be displayed.
3. Press the SELECT button to alternate between DISABLE and ENABLE.
4. Press the STORE button.
5. Repeat steps 2 through 4 to program the assignment of the other COs.
6. To return to the initial program mode, press the END button.

DETAILED FEATURE DESCRIPTION AND OPERATION FOR EMSS PROPRIETARY TELEPHONE

To operate this system, after making program changes, set the System Program Switch located on the KX-T30810BE (Electronic Modular Switching System) to the SET position.

To Make Calls

When the unit is unused, the Liquid Crystal Display will show the month, the day and the time.

Inter Office Calling (Intercom)

Using the Handset



LIFT THE
HANDSET



PRESS THE
DSS BUTTON
(21 through 28)



TALK



HANG UP

Hands-free



PRESS
"SP-PHONE"



PRESS THE
DSS BUTTON
(21 through 28)



TALK



PRESS
"SP-PHONE"

- You may dial the extension number (21 through 28) instead of pressing the DSS button.
- You may press the INTERCOM button instead of the first SP-PHONE button.
- DSS—Direct Station Selection (extension 21 through 28)
- INTERCOM—Intercom

Description

Station to station dialling within the KX-T30810BE system.

Operation

Using the handset

1. Lift the handset.
2. Press the DSS button.
3. Start talking.
4. Hang up upon completion of the conversation.

Hands-free

1. Press the SP-PHONE or INTERCOM button.
 2. Press the DSS button.
 3. Start talking.
 4. Press the SP-PHONE button.
- You may dial the extension number (21 through 28) instead of pressing the DSS button.

To dial another extension again without hanging up

While having a conversation;
press the DSS button.

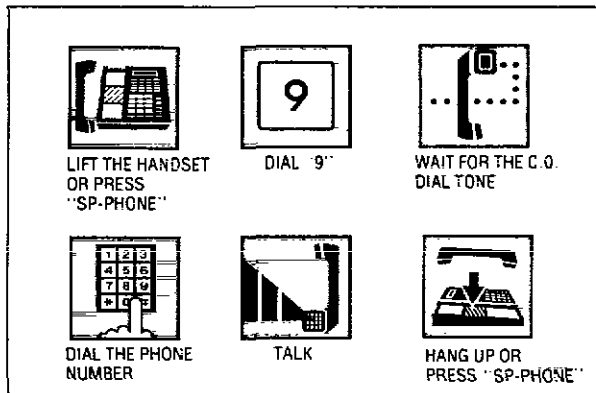
- The original conversation will be terminated and another extension can be dialled.

Conditions

- When a called party has the KX-T7130E equipped with the LCD, an extension number of the calling party will be displayed on the LCD of the called party.
- An extension number of the calling party will be displayed on the LCD of the KX-T7130E.
- You can not use the DSS button whose indicator has been already lighting since anyone is using the extension.
- The INTERCOM indicator will be lit green while using the unit.
- The KX-T7050E will not function for hands-free mode.

Outward Dialling

■ Automatic Line Access



Description

Each extension can automatically select an idle CO Line within the KX-T30810BE.

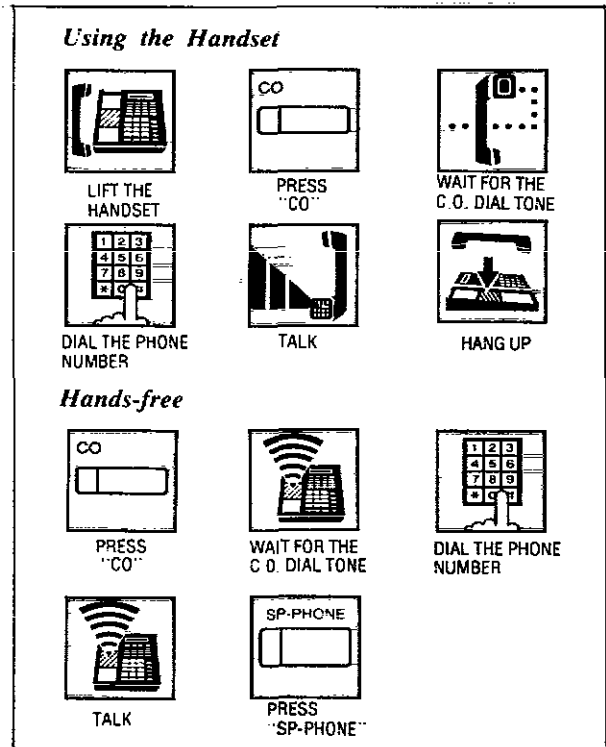
Operation

1. Lift the handset or press the SP-PHONE button.
2. Dial (9).
Dial tone from CO will be heard.
3. Dial the phone number.
4. Start talking.
5. Hang up or press the SP-PHONE button upon completion of the conversation.

Conditions

- 9 dialled, will be displayed on the LCD of the KX-T7130E and you will hear followings.
 - Dial tone from CO: indicates that the CO Line is captured.
 - Busy tone: indicates that the three CO Lines are busy.
 - Reorder tone: indicates that the extension is denied access outside line.
- The CO indicator will be lit green at your extension and lit red at other extensions.
- The KX-T7050E will not function for hands-free mode.

■ Individual Line Access



Description

Any of the 3 CO's may be directly selected.

Operation

Using the handset

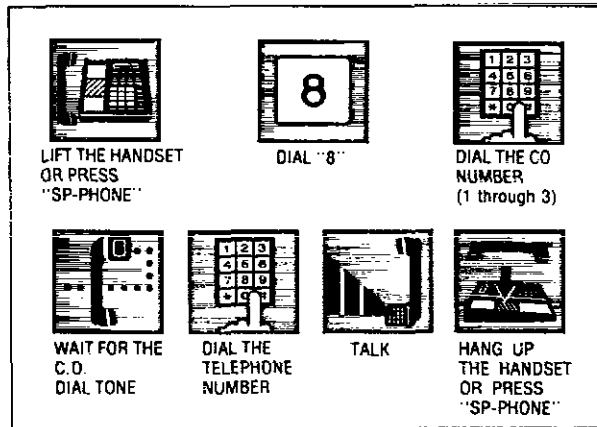
1. Lift the handset.
2. Press the CO button.
Dial tone from CO will be heard.
3. Dial the phone number.
4. Start talking.
5. Hang up.

Hands-free

1. Press the CO button.
Dial tone from CO will be heard.
 2. Dial the phone number.
 3. Start talking.
 4. Press the SP-PHONE button.
- The phone number dialled will be displayed on the LCD of the KX-T7130E.
 - You can not use the CO button whose indicator has been already lighting red since anyone is using the CO line.

Outward Dialling (cont.)

Individual Line Access



LIFT THE HANDSET OR PRESS "SP-PHONE"

DIAL "8"

DIAL THE CO NUMBER (1 through 3)

WAIT FOR THE C. D. DIAL TONE

DIAL THE TELEPHONE NUMBER

TALK

HANG UP THE HANDSET OR PRESS "SP-PHONE"

Description

Any of the 3 CO Lines may be selected by dial access.

Operation

1. Lift the handset or press the SP-PHONE button.
2. Dial (8) and the CO number (1 through 3). Dial tone from CO will be heard.
3. Dial the phone number.
4. Start talking.
5. Hang up or press the SP-PHONE button.

Conditions

- The phone number dialled will be displayed on the LCD of the KX-T7130E.
- Individual line access codes
 - Dial 81 for CO 1
 - Dial 82 for CO 2
 - Dial 83 for CO 3

Each extension can access new CO line without hanging up.

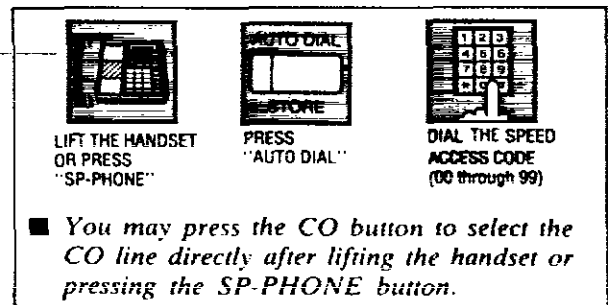
While having a conversation,



PRESS ANOTHER "CO"

- The original conversation will be terminated and new CO line can be accessed.

Speed Dialling



LIFT THE HANDSET OR PRESS "SP-PHONE"

PRESS "AUTO DIAL"

DIAL THE SPEED ACCESS CODE (00 through 99)

■ You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Description

There are 100 memory locations of system speed dialling available.

Operation

1. Lift the handset or press the SP-PHONE button.
2. Press the AUTO DIAL button.
3. Dial speed access code.
 - You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Conditions

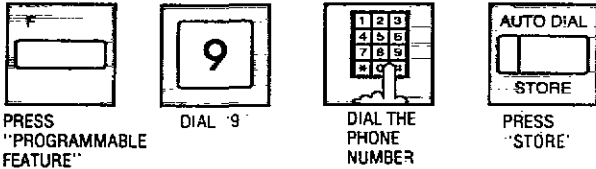
- The dialled number will be displayed on the LCD of the KX-T7130E.
- Continuous use of speed dial is possible.
ex. [AUTO DIAL] [0] [0] [AUTO DIAL] [0] [1]
- The combination of speed dialling, one touch dialling and manual dialling is possible.

One Touch Dialling

Programming

- Be sure the handset is in the cradle and the SP-PHONE button is OFF.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".

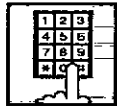
Storage



PRESS "PROGRAMMABLE FEATURE"



DIAL '9'



DIAL THE PHONE NUMBER



PRESS "STORE"

- You may dial 81 through 83 instead of 9.
9 Each extension can automatically select an idle CO line.
81 through 83.. Each extension can select a CO line designated.
- 9 or 81 through 83 must be dialled for storage.

To Correct an Error while Programming



PRESS "CLEAR (TRANSFER)" INSTEAD OF "STORE"

- After pressing the CLEAR button, reprogram the correct number.
- The TRANSFER button is used as the CLEAR button.

To Change a Stored Number

Repeat "Storage" above.

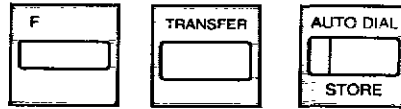
To Confirm a Stored Number

Repeat programming the same number into the same station.

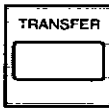
When the STORE button is pressed, a beep will be heard.

- two beeps storage is correct.
- one beep storage is incorrect.
Repeat the procedure of programming.

To Erase after Programming



PRESS "PROGRAMMABLE FEATURE"



PRESS "CLEAR (TRANSFER)"



PRESS "STORE"

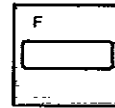
- The TRANSFER button is used as the CLEAR button.

After programming all the numbers, return the MEMORY switch to "SET".

Dialling



LIFT THE HANDSET OR PRESS "SP-PHONE"



"PRESS PROGRAMMABLE FEATURE"

- You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Description

There are 12 memory locations for automatic dialling available. Up to 16 digits can be stored into each of the memory locations.

Pushing the "*", " ", "-", "RECALL" or "PAUSE" button counts as 1 digit.

- For your convenience, program private phone numbers into your proprietary telephone.

Programming

Be sure the handset is in the cradle and the SP-PHONE button is OFF.

1. Set the MEMORY switch to "PROGRAM". "ONE TOUCH DIAL" will be displayed.
2. Press a programmable feature button.
The LCD will show "NOT STORED" when nothing is stored in the programmable feature button "01".
When automatic line access number 9 and the phone number 123-456-7890 has been stored, "9-123-456-7890" will be displayed.
3. Enter the line access number.
9: automatic line access number
81: line access number of CO 1
82: line access number of CO 2
83: line access number of CO 3
4. Enter the phone number.
 - You may enter punctuations during a phone number.
The SAVE button is used as the "-" button.
 - To erase a wrong enter, press the CLEAR button.
The TRANSFER button is used as the CLEAR button.
5. Press the STORE button.
The STORE indicator will be lit.
6. Repeat steps 2 to 5, to program on other programmable feature button.
7. After programming all the numbers, return the MEMORY switch to the "SET" position.
The STORE indicator will go out.

Dialling

1. Lift the handset or press the SP-PHONE button.
2. Press a programmable feature button.
 - You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Conditions

- To more the 13 digits of a phone number, use the "▲", or "◆" button for scrolling the display.
- The dialled phone number will be displayed on the LCD.
- Continuous use of the programmable feature button is possible. (ex. press 01-02)
- The combinations of speed dialling, one-touch dialling and manual dialling is possible.
- The line access number (9, 81, 82 or 83) should be stored.
- Continuous use of one touch dialling is possible.
Example:
[01] [02]
In this case, programmable feature button "02" should not include the line access number.
- When dialling, the pause is automatically entered after line access number (9, 81, 82 or 83).
- Features that can be accessed by using the dialling button also can be programmed into memory.
Refer to "One Touch Access for System Features" page 3-22.

Example:

Automatic line access number 9 and phone number 123-4567 into the programmable feature "01" button.

Programming

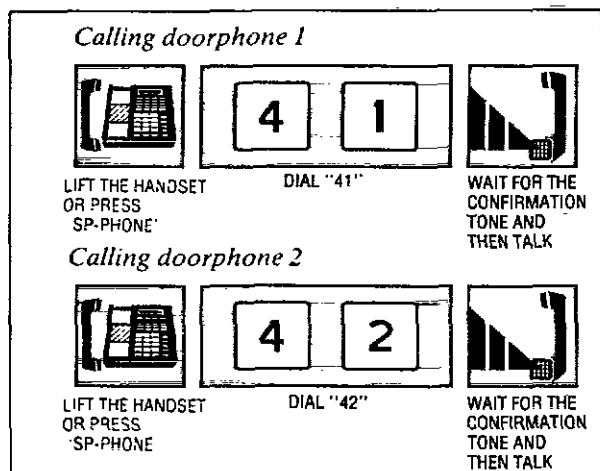
[Set to "PROGRAM"] [01] [9]
[123-4567] [STORE] [Set to "SET"]

Dialling

[LIFT HANDSET] [01]

- You may press the CO button to select the CO line directly after lifting the handset.

Calling Doorphone



Description

Up to Two doorphones (KX-T30865E) can be connected to the KX-T30810BE.

Operation

Dialling to the doorphones

1. Lift the handset or press the SP-PHONE button.
2. Dial (41) for calling doorphone 1.
Dial (42) for calling doorphone 2.
"DOOR 1" or "DOOR 2" will be displayed.
3. Wait for the confirmation tone and then start talking.
4. Hang up or press the SP-PHONE button upon completion of the conversation.

Condition

- The features, for instance, hold, transfer and so on, can not be activated by the doorphone.

Distinctive Dial Tone

Description

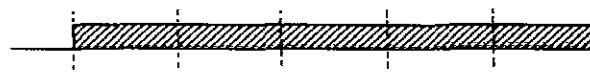
A distinctive dial tone will be heard from the handset if the extension user has previously activated a special feature.

Operation

None

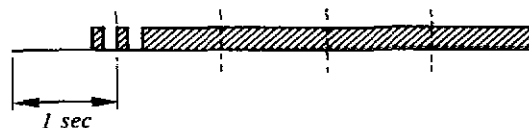
Conditions

There are two types of dial tones.
Dial tone 1: ordinary dial tone



Dial tone 2: when any of the following features is activated:

Do not Disturb
Dial Call Pickup Deny
Call Forwarding
Data Line Security



When a Line is Busy

Last Number Redial



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



PRESS
"REDIAL"

- You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Description

The last phone number dialled on an outgoing call to CO line can be redialled.

Operation

1. Lift the handset or press the SP-PHONE button.
2. Press the REDIAL button.

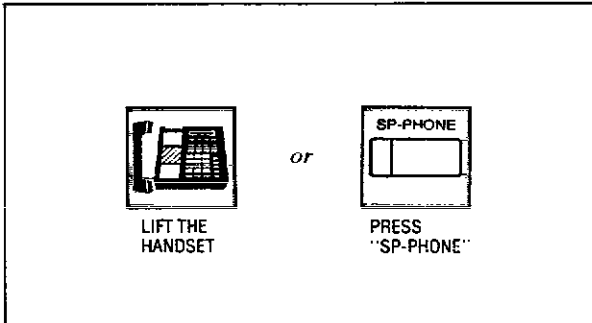
- You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Conditions

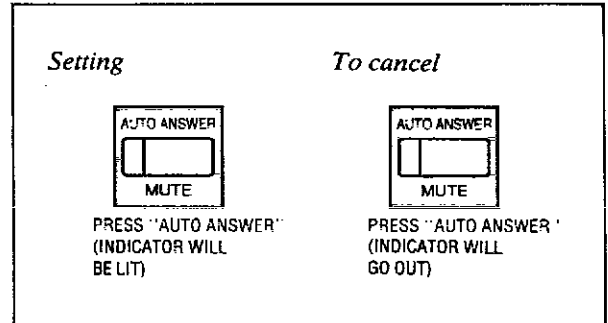
- Up to 32 digits can be stored and redialled. Pushing the "*" "#" or "PAUSE" button counts as 1 digit.
- When calling or while in the conversation mode, pressing the REDIAL button will cause the redial to operate after about 3 seconds.

To Receive Calls

Answer



Automatic Answer-Intercom



Operation

Lift the handset or press the SP-PHONE button.

- When "Automatic Answering Selection" feature is selected "manual" mode in the KX-T30810BE and outside call reaches, lift the handset and then press the CO button whose indicator is flashing red.
- When an intercom call reaches, you may press the INTERCOM button whose indicator is flashing quickly and talk. (Hands-free mode)
- When an outside call reaches, you may press the CO button whose indicator is flashing red quickly and talk. (Hands-free mode)

Description

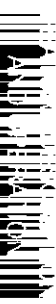
Allows extension user to answer an intercom call in the automatic hands-free mode without any operation when receiving intercom calls.

Operation

1. For setting, press the AUTO ANSWER button.
The AUTO ANSWER indicator will be lit.
2. For cancellation, press the AUTO ANSWER button again.
The AUTO ANSWER indicator will go out.

Description

- This feature is required to be set beforehand while the unit is not in use.
- The KX-T7050E will not function for Automatic Answer.



Dial Call Pickup



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "50"

Directed Call Pickup



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "5"



DIAL THE RINGING
EXTENSION
NUMBER
(21 through 28)

Description

An extension user can answer any ringing extension within their own pickup group.

Operation

1. Lift the handset or press the SP-PHONE button.
2. Dial (50) and wait for confirmation tone.
3. Start talking.

Conditions

- Dial Call Pickup will work for incoming calls (intercom, outside and doorphone) but will not work for camp-on recalls and hold recalls.
- If a ringing extension is outside pickup group or is in the mode of dial call pickup denied, a reorder tone will be heard through the use of this feature.
- Refer to "Dial Call Pickup Group Assignment" on page 2-26.
- Dial Call Pickup can use with the present call placed on hold.

Description

An extension may answer an incoming call that is ringing at another extension regardless of pickup group.

Operation

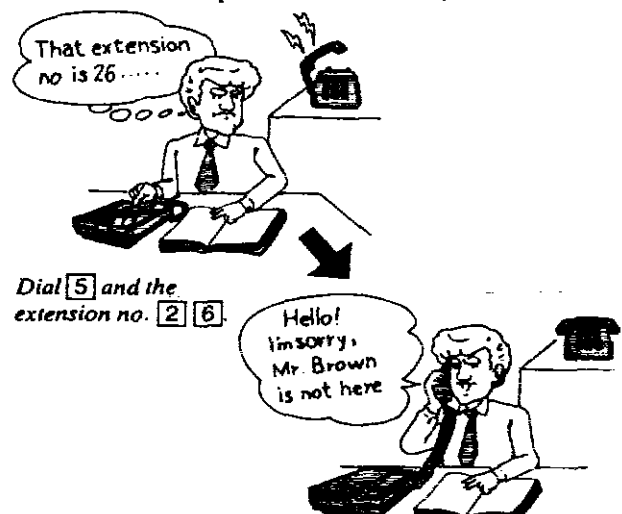
1. Lift the handset or press the SP-PHONE button.
2. Dial (5) and then the extension number (21 through 28) at which call is ringing.
3. Wait for confirmation tone and then start talking.

Conditions

- It is possible to answer calls outside your assigned pickup group.
- Directed Call Pickup can use with the present call placed on hold.

Example:

Mr. Brown's extension number is 26.
He is now out of office.
Mark receives the call instead of Mr. Brown
with the telephone on his desk, extension 25.



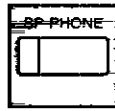
Doorphone

To answer a doorphone



LIFT THE
HANDSET

or



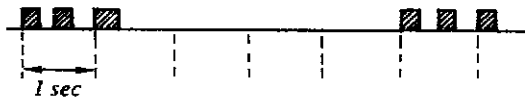
PRESS
"SP-PHONE"

Operation

Lift the handset or press the SP-PHONE button.

Conditions

- If calls from doorphones are not answered within 15 seconds, the calls will be cancelled.
- Ring from doorphone.



- Each extension has to be programmed for receiving from doorphones. See "Programmable Doorphone" on page 2-25.

Distinctive Ring Tone

Description

A different ringing pattern is used to distinguish intercom calls from incoming outside calls.

Operation

None

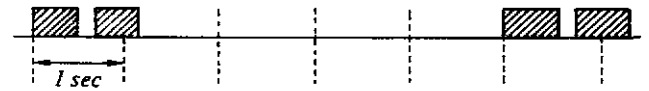
Condition

Automatic ring back for the camp on feature will ring differently from the ringing on intercom, outside, doorphone calls.

Intercom calls (including intercom hold recall)



Incoming outside calls (including outside hold recall)



Doorphone calls



While Having a Conversation

Call on Hold—CO

To place a call on hold:



PRESS
"HOLD"



CONFIRMATION
TONE OF 2
BEEPS WILL
BE HEARD

To retrieve:

● at the holding extension



(flashing
in green)

PRESS "CO"

● from another extension



(flashing
in red)

PRESS "CO"

Description

If you wish to leave your phone unattended but want the caller you are in conversation with to wait, call on hold may be used. Outside calls may be placed on hold.

Calls on hold can be released by another extensions.

Operation

1. You are in conversation with an outside party.

2. Press the HOLD button.

The indicator of CO button which is on hold will flash slowly (green).

The confirmation tone of 2 beeps will be heard.

To Retrieve at the holding extension, press the CO button (flashing green).

The indicator light will return to a steady green.

To Retrieve from another extension,

■ press the CO button (flashing red).

The green flashing indicator at the held extension will turn red.

Conditions

● When a call is on hold for more than 30 minutes after a hold time reminder is sounded, the call will be terminated automatically.

A hold time reminder is sounded through the built-in speaker of the extension.

● Calls on hold will be recalled either after 30 seconds, 1 minute, 1 minute and 30 seconds or 2 minutes, once handset is replaced (or the SP-PHONE button is pressed).

If hold recall time set is set to "DISABLE", will not be recalled.

Refer to "Hold Recall Time Set" on page 2-28.

● The hold time reminder is activated, even if the hold recall time set is programmed to "DISABLE".

● When lifting the handset (or by pressing the SP-PHONE button):

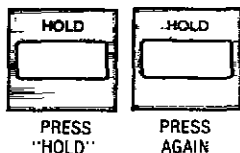
before recalling... The dial tone will be heard with the call on hold.

You may dial another phone number.

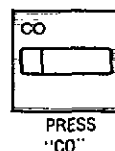
while recalling... Only the first call on hold will be released and entered into the conversation mode.

Call on Exclusive Hold—CO

To place a call
on exclusive hold:



To retrieve:



(flashing in
groups of
2 green)

Description

The calls on exclusive hold can not be released by any extension other than the phone which has placed the call on hold.

Operation

1. You are in conversation with an outside party.
2. Press the **HOLD** button.
The indicator of the **CO** button which is on hold will flash slowly (green colour).
The confirmation tone of 2 beeps will be heard.
3. Press the **HOLD** button again.
The indicator will flash in groups of 2 (green colour).
4. To retrieve, press the **CO** button whose indicator flashing in groups of 2 (green colour).
 - The indicator flashing in groups of 2 will turn on.

Conditions

- When a call is on hold for more than 30 minutes after a hold time reminder is sounded the call will be terminated automatically.
A hold time reminder is sounded through the built-in speaker of the extension.
- Calls on hold will be recalled either after 30 seconds, 1 minute, 1 minute and 30 seconds or 2 minutes, once handset is replaced (or the **SP-PHONE** button is pressed).
If hold recall time set is set to "DISABLE", will not be recalled.
Refer to "Hold Recall Time Set" on page 2-28.
- The hold time reminder is activated, even if the hold recall time set is programmed to "DISABLE".
- When lifting the handset (or pressing the **SP-PHONE** button):
 - before recalling... The dial tone will be heard with the call on hold.
You may dial another phone number.
 - while recalling... Only the first call on hold will be released and entered into the conversation mode.

Call on Hold—Intercom

To place a call on hold:



PRESS
"HOLD"



CONFIRMATION
TONE OF 2
BEEPS WILL
BE HEARD

To retrieve:

● at the holding extension



(flashing)

PRESS
"INTERCOM"

Description

Extension user can place an intercom call on hold.

Calls on hold can be released by another extensions.

Operation

1. You are in conversation with an internal party.

2. Press the **HOLD** button.

The indicator on the **INTERCOM** button will flash slowly.

The confirmation tone of 2 beeps will be heard.

To retrieve at the holding extension,

press the **INTERCOM** button whose indicator flashing slowly.

The indicator on the **INTERCOM** button will be on.

● When a call is on hold for more than 30 minutes after a hold time reminder is sounded, the call will be terminated automatically.

A hold time reminder is sounded through the built-in speaker of the extension.

● Calls on hold will be recalled either after 30 seconds, 1 minute, 1 minute and 30 seconds or 2 minutes, once handset is replaced (or the **SP-PHONE** button is pressed).

If hold recall time set is set to "DISABLE", will not be recalled.

Refer to "Hold Recall Time Set" on page 2-28.

● The hold time reminder is activated, even if the hold recall time set is programmed to "DISABLE".

● When lifting the handset (or by pressing the **SP-PHONE** button):

before recalling...the dial tone will be heard with the call on hold.

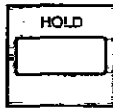
You may dial another phone number.

while recalling...the call on hold will be released and entered into the conversation mode.

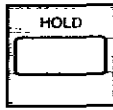
● An Intercom hold can be activated on one extension only.

Call on Exclusive Hold—Intercom

To place a call
on exclusive hold:

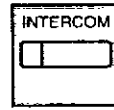


PRESS
"HOLD"



PRESS
AGAIN

To retrieve



PRESS
"INTERCOM"

Description

The intercom call on exclusive hold can not be released by any extension other than the phone which has placed the call on hold.

Operation

1. You are in conversation with an internal party.
2. Press the **HOLD** button.
The indicator on the **INTERCOM** button will flash slowly.
The confirmation tone of 2 beeps will be heard.
3. Press the **HOLD** button, again.
The indicator will flash in groups of 2.
4. To retrieve, press the **INTERCOM** button.
The indicator on the **INTERCOM** button will return to a steady green.

Conditions

- When a call is on hold for more than 30 minutes after a hold time reminder sounds, the call will be terminated automatically.
A hold time reminder is sounded through the built-in speaker of the extension.
- Calls on hold will be recalled either after 30 seconds, 1 minute, 1 minute and 30 seconds or 2 minutes, once handset is replaced (or the **SP-PHONE** button is pressed). If hold recall time set is set to "DISABLE", will not be recalled. Refer to "Hold Recall Time Set" on page 2-28.
- The hold time reminder is activated, even if the hold recall time set is programmed to "DISABLE".
- When lifting the handset (or by pressing the **SP-PHONE** button):
before recalling...the dial tone will be heard with the call on hold.
You may dial another phone number.
while recalling...the call on hold will be released and entered into the conversation mode.

An Intercom hold can be activated on one extension only.

Conference



PRESS
"CONF"

(The 1st party
is placed on
hold.)



DIAL
2ND PARTY
NUMBER



CONSULT WITH
THE 2ND PARTY



PRESS
"CONF"

(A 3-party
conference is now
established.)

Description

Allows for up to a three party conference (3-inside).

Operation

1. Press the CONF button, to place the first party on hold.
2. Dial the number of the second party.
If second party does not answer, press the INTERCOM button to return to the first party.
3. Press the CONF button.
The confirmation tone will be heard.
3 party conference is now established.
"CONF" will be displayed.

- You may press the HOLD button instead of the first CONF button.

To terminate conference

Replace the handset or press the SP-PHONE button.

- The other two parties are directly connected together and can converse with each other.

To terminate one caller and talk to the another caller.

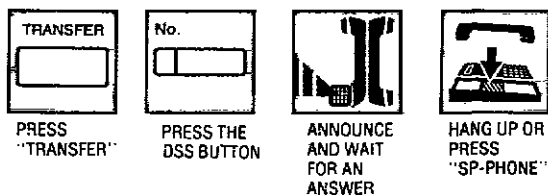
Press the INTERCOM button.

You will be connected to the first participant.

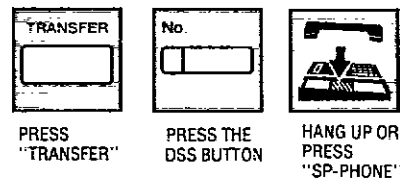
Conditions

- Pressing a CO button which is out of conference, allows you to exit from the conference and to access an outside party and the other parties to be connected together.
- Pressing the INTERCOM button for conference, allows you to exit from the conference and to access an intercom.

To transfer after other extension answers



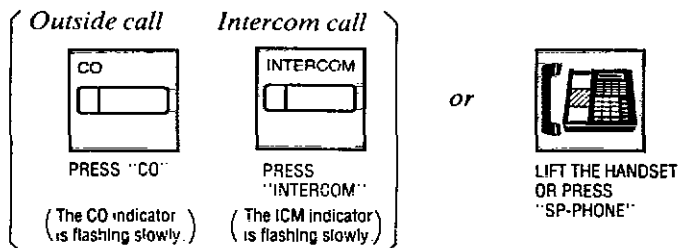
To transfer without announcing the other extension



• You may dial the extension number instead of pressing the DSS button.

To Retrieve the Call

If the other extension did not receive the transferred call within 30 seconds after the call has been transferred, the call will return to you. In this case:



Description

Outside or intercom calls may be transferred to any extension manually.

Operation

1. You are engaged in a call (outside or intercom).
2. Press the TRANSFER button.
3. Press the DSS button corresponding to the destination.
or
Dial number of extension (21 through 28) to which the call is transferred.
4. For Unscreened call transfer, replace the handset or press the SP-PHONE button. For Screened call transfer, wait for new party to answer and announce call, then replace the handset or press the SP-PHONE button.

To retrieve the Call

If the other extension did not receive the transferred call within 30 seconds after the call has been transferred, the call will return to you. In this case:
Press the CO or INTERCOM button whose indicator is flashing slowly, or lift the handset.

- The time that the transferred call which is not received returns to you, may be set to 15 seconds.
For changing, see page 2-18.

To change the party to whom a call is transferred before hanging up

Press the CO or INTERCOM button whose indicator is flashing slowly to retrieve the call, then repeat the procedure of Call Transfer.

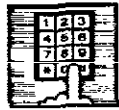
Conditions

- If the transferred call is not answered in a pre-determined time (see page 2-28, Hold Recall Time Set), it will cease to ring at the transferred extension and will recall back to the original transferring extension.
- Upon recall to the transferring extension, if call is not answered in 30 minutes it will be terminated.
- When busy, you may access the other extension by dialling 2.
Also you may return to the calling party by pressing the CO or INTERCOM button whose indicator is flashing slowly (green colour).
- The time that the call returns to you when the transferred call is not received can be changed 30 seconds into 15 seconds.
For changing, see page 2-18.

Call Splitting—Between CO and Intercom



PRESS "HOLD"
TO PLACE 1ST
PARTY ON
HOLD



DIAL 2ND
PARTY



CONSULT WITH
THE 2ND PARTY



PRESS "HOLD"
TO PLACE THE
2ND PARTY ON
HOLD



PRESS "CO" OR
"INTERCOM" WHOSE
INDICATOR IS FLASHING
SLOWLY



CONSULT WITH
THE 1ST PARTY



PRESS "HOLD"
TO PLACE THE
1ST PARTY ON
HOLD



PRESS "INTERCOM" OR
"CO" WHOSE INDICATOR
IS FLASHING SLOWLY



CONSULT WITH
THE 2ND PARTY

Description

Allows an extension user to alternate between a CO party and an Intercom party.

Operation

1. Press the HOLD button to place the first party on hold.
2. Dial the second party.
3. Consult with the second party.
4. Press the HOLD button to place the second party on hold.
5. Press the CO or INTERCOM button whose indicator is flashing slowly.
6. Consult with the first party.
7. Press the HOLD button to place the first party on hold.

8. Press the INTERCOM or CO button whose indicator is flashing slowly.

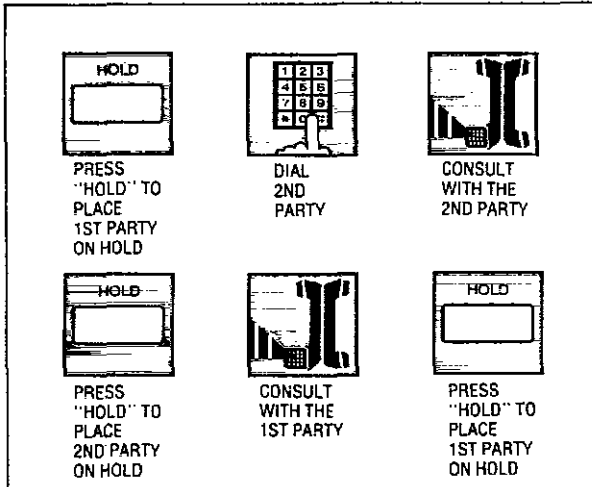
9. Consult with the second party.

10. Repeat step 4 to 9.

Condition

- To release the call splitting mode, press the CO or INTERCOM button without pressing the HOLD button. Conversation will be terminated and call on hold will be returned to conversation.

Call Splitting—Intercom



Description

Allows an extension user to alternate between two intercom parties.

Operation

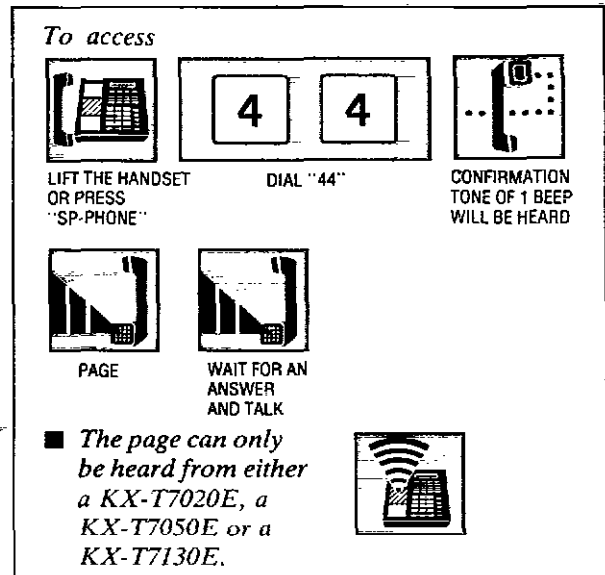
1. Press the **HOLD** button to place the first party on hold.
2. Dial the second party.
3. Consult with the second party.
4. Press the **HOLD** button to place the second party on hold.
5. Consult with the first party.
6. Press the **HOLD** button to place the first party on hold.
7. Repeat step 3 to 6.

Condition

- To release the call splitting mode, press the **INTERCOM** button instead of the **HOLD** button. Conversation will be terminated and call on hold will be returned to conversation.

Paging

Paging All Extensions



Description

Allows paging to all extensions.

Operation

To access paging

1. Lift the handset or press the **SP-PHONE** button.
2. Dial (44) and wait for confirmation tone (one beep).
"PAGING (ALL)" will be displayed.
3. Start paging.
4. Wait for an answer and talk.

Conditions

- When an extension is in use, that extension cannot gain access to paging.
- When any extension is using the paging (all extensions, group or external), you cannot access to paging.

ANALOG COMMUNICATIONS

Paging Group

To access

For pickup group 1



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "45"



CONFIRMATION
TONE



PAGE



WAIT FOR AN
ANSWER
AND TALK

For pickup group 2:

At step 2 above, dial 46 instead of 45.

- The page can only be heard from either a KX-T7020E, a KX-T7050E or a KX-T7130E.



Paging—External

To access



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "43"



CONFIRMATION
TONE



PAGE



WAIT FOR CONFIRMATION
TONE AND TALK

- Page will be heard from external paging equipment.



Description

Allows paging to either one of two groups.

Operation

To access paging

1. Lift the handset or press the SP-PHONE button.
2. Dial (45) for paging the pickup group 1.
Dial (46) for paging the pickup group 2.
 - The confirmation tone (one beep) will be heard.
 - "PAGING (GRP 1)" or "PAGING (GRP 2)" will be displayed.
3. Start paging.
4. Wait for an answer and talk.

Conditions

- When an extension is in use, that extension cannot gain access to paging.
- Refer to "Dial Call Pickup Group Assignment" on page 2-26.

Description

Allows access to external paging equipment.

Operation

To access external paging

1. Lift the handset or press the SP-PHONE button.
2. Dial (43) and wait for confirmation tone (one beep).
"EXTERNAL PAGING" will be displayed.
3. Start paging.
When the page is answered, one beep will be heard. Start talking.

Condition

- If external paging access tone is set to "DISABLE", confirmation tone will not be heard after accessing the external paging.
Refer to "Programmable External Paging Access Tone" on page 2-29.

Paging And Transfer

To transfer a call to the paged person



WHILE HAVING
A CONVERSATION



PRESS
"TRANSFER"



DIAL "44"



CONFIRMATION
TONE



PAGE



WAIT FOR AN
ANSWER



HANG UP OR
PRESS
"SP-PHONE"

•You may dial 45, 46 or 43 instead of 44.

Operation

To transfer a call to the paged person

1. You are in conversation.
2. Press the TRANSFER button.
3. Dial (44) for paging all extensions.
Dial (45) for paging group 1.
Dial (46) for paging group 2.
Dial (43) for paging-external.
•Wait for confirmation tone.
4. Start paging.
5. Wait for an answer.
6. Hang up or press the SP-PHONE button.

Paging—Answer

To answer



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "51"



CONFIRMATION
TONE



TALK

Description

A page from built-in speaker or external paging equipment can be answered from any extension.

Operation

To answer paging

1. Lift the handset or press the SP-PHONE button.
2. Dial (51) and wait for confirmation tone (one beep).
3. Start talking.

Condition

- If a call and CO number has been paged and transferred, you may answer by pressing the CO button whose number has been paged and indicator is flashing slowly (red colour), instead of dialling 51.

Use of Other Features

Background Music

To enable



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "751#"



REPLACE THE
HANDSET
OR PRESS
"SP-PHONE"

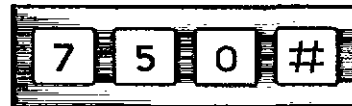


WILL HEAR
MUSIC

To cancel



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "750#"



REPLACE THE
HANDSET
OR PRESS
"SP-PHONE"

Description

Music from an external source (e.g. radio) can be listened to on the built-in speaker of the telephone.

Operation

To enable

1. Lift the handset or press the SP-PHONE button.
2. Dial (751#).
Wait for confirmation tone.
"BGM ON" will be displayed.
3. Replace handset or press the SP-PHONE button.
Music will be heard from the speaker.

To cancel

1. Lift the handset or press the SP-PHONE button.
2. Dial (750#).
Wait for confirmation tone.
"BGM OFF" will be displayed.
3. Place the handset back on the cradle or press the SP-PHONE button.
Music will be stopped.

Condition

- When listening to the background music, the music will be interrupted by incoming calls, lifting handset or pressing the SP-PHONE button. After completion of the conversation replacing the handset back on the cradle or by pressing of the SP-PHONE button, will resume the background music.

Mute Operation

To enable
Be sure the SP-PHONE indicator is on.



PRESS
"MUTE"

- The MUTE indicator will flash.

To cancel



PRESS
AGAIN

Description

Use when you do not want your voice to be heard by the other party.

Operation

To enable

Be sure the SP-PHONE indicator is on.
Press the MUTE button.

- The MUTE indicator will flash.

To cancel

Press the MUTE button again.

- The MUTE indicator will go out.

Condition

- This feature can be activated in speakerphone mode only.

One Touch Access for System Features

To Program

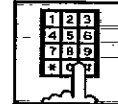
Set the MEMORY switch of the proprietary telephone to "PROGRAM".

Example:

Paging All Extensions (Dial 44).



PRESS
"PROGRAMMABLE
FEATURE"



DIAL "44"



PRESS
"STORE"

After programming all the system features, return the MEMORY switch to "SET".

To Access



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



PRESS
"PROGRAMMABLE
FEATURE"

Description

Features that can be accessed by using the dialling button also can be programmed into memory.

(e.g. Paging All Extensions, Background Music.)

Operation

To Program

Set the MEMORY switch of the proprietary telephone to "PROGRAM".

Example:

Paging All Extensions (Dial 44)

1. Press the PROGRAMMABLE FEATURE button.

2. Dial (44).

3. Press the STORE button.

- System feature described in the table on page 5-5 can be programmed into memory.

After programming all the numbers, return the MEMORY switch to "SET".

To Access

1. Lift the handset or press the "SP-PHONE" button.

2. Press the PROGRAMMABLE FEATURE button.

External Feature Access

Call Waiting Service—From Central Office



WILL HEAR
A CALL
WAITING
TONE



PRESS
"RECALL"



CONSULT WITH
THE NEW CALLER
WHILE THE
ORIGINAL CALL
IS ON HOLD



PRESS
"RECALL"



CONSULT WITH
THE ORIGINAL
CALLER WHILE
THE 2ND CALL
IS ON HOLD

(If the calling party on
hold hangs up, the
line is terminated)

Description

Allows extension user to access features of the central office. (example: call waiting feature can be supplied by central office.)

Please contact your Central Office about Call Waiting Service (from the Central Office) and its Operation.

Operation

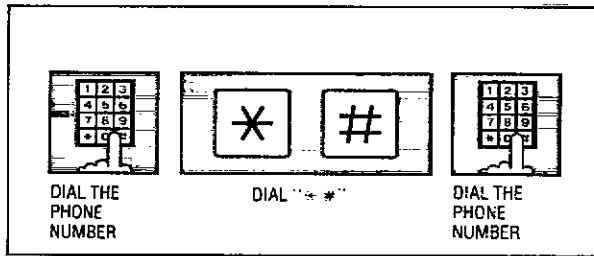
Call Waiting Service—From Central Office

1. While having a conversation, another party calls and a call waiting tone is heard.
2. Press the **RECALL** button.
 - The original call is placed on hold and the new call can be answered.
3. Press the **RECALL** button again.
 - The original caller can be spoken to again and the new call is placed on hold.
 - If the calling party on hold hangs up, the line is terminated.

Conditions

- The external feature (call waiting) can only be accessed when engaged on an outside call. The above-mentioned example shows you one of the procedures.
- "RECALL" can be stored into memory in the same way as "Storage" on page 3-4.
- You may access some features of the Central Office using the **RECALL** button. If **KX-T30810BE** is connected to the Central Office and recall operation is required, follow the procedure of recall operation which is required in the Central Office.

Pulse/Tone Conversion



Description

When the dialling mode is required to change a pulse mode to a tone mode in one dialling sequence, this feature is used.

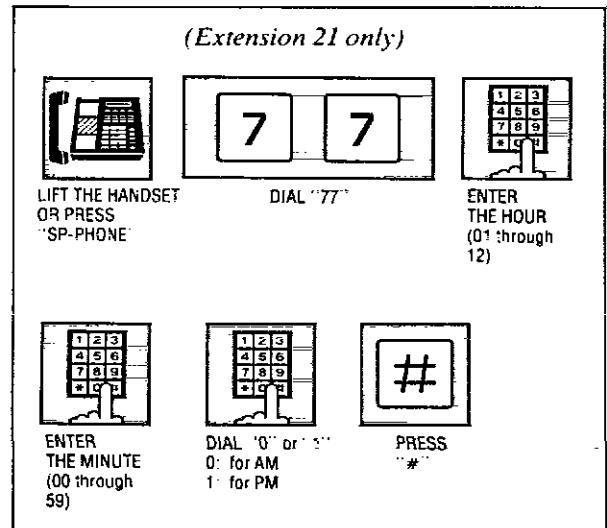
Operation

1. Dial the phone number. (pulse mode)
2. Dial (* #).
3. Dial the phone number. (tone mode)

Condition

- When you dial using this feature, you must use the line set to a pulse mode.
Phone number after dialling "* #" will change to tone mode.

Time Setting



Description

Entry of the current time.

Operation

1. Lift the handset or press the SP-PHONE button on extension 21.
2. Dial (77).
3. Enter the hour with 2 digits. (01 through 12)
4. Enter the minute with 2 digits. (00 through 59)
5. Dial (0) for AM or (1) for PM.
6. Press the # button.
7. Wait for the confirmation tone.

Conditions

- Instantly after pressing the # button, new time counting will start.
- Time setting is done through extension 21 only.

Intercom Alerting Mode

Switching to tone alerting



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



PRESS THE
DSS BUTTON



WAIT UNTIL THE
CONFIRMATION
TONE IS HEARD



PRESS "*"



RING BACK
TONE

Description

"Voice alerting" (through built-in speaker) that is established at the called party's extension, can be switched to "Tone alerting" (ringing).

Condition

- This feature is required to be set beforehand in the KX-T30810BE. For programming, see page 2-24.

Operation

1. Lift the handset or press the SP-PHONE button.
2. Press the DSS button or dial the extension number.
3. Wait for confirmation tone after inter office calling.
4. Press the * button.
The ring back tone will be heard.
Tone Ringer on the called party's extension will be ready to be activated.

Busy Lamp Field

Description

The indicators corresponding to the DSS (Direct Station Selection) buttons and the INTERCOM button will indicate the status of the extension in progress.

Explanation

• DSS indicator light

	Status
off	idle
on	occupied (in use)

• INTERCOM indicator light

Light	Status
off	idle
on	in use for intercom
slow flashing	on hold
flashing in groups of 2	on exclusive hold
quick flashing	receiving an incoming intercom call

• CO indicator light

Light	Status
off	idle
on (green colour)	in use
slow flashing (green colour)	on hold
flashing in groups of 2 (green colour)	on exclusive hold
on (red colour)	in use at another extension
slow flashing (red colour)	on hold at another extension
quick flashing (red colour)	receiving an incoming outside call

Duration Time of Call Display

Description

The elapsed time (from dialling to replacing handset) on originating outside calls will be displayed.

Operation

None

Conditions

- When intercom calls, the duration time of conversation is not displayed.
- "DURATION" will be displayed.
- Refer to "Duration Time Count Start Mode" on page 2-20.

Lockout

Description

If a handset remains off hook or is disconnected at the other end, a reorder tone will be heard. When "Calling Party Control (CPC) Signal" mode is set to "DISABLE", the reorder tone will not be heard. (see page 2-23.)

Operation

None

Condition

- The party whose handset remains off-hook will hear a reorder tone to indicate that the call is disconnected.

Mixed Station Dialling

Description

Any telephone instrument, whether (KX-T7020E, KX-T7050E, KX-T7130E for exclusive use), standard LD telephone (10 pps, 20 pps), or standard MF4 telephone, may be used as an extension of the KX-T30810BE.

Operation

None

Power Failure Transfer

Description

In the event of a power failure each CO will be connected to assigned extension.

CO 1 is assigned to extension 21.

CO 2 is assigned to extension 22.

CO 3 is assigned to extension 23.

Operation

None

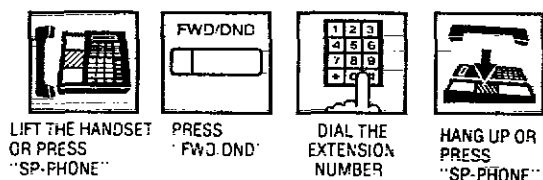
Conditions

- During power outage, all features are lost except for incoming and outgoing CO calls from extension 21, 22 and 23.
- A telephone which can work even during a power failure must be connected to the extension 22 or 23.
- There is no memory loss except for the camp-on, saved number redial and the last number redial during power failure, memory is protected by 21 day rechargeable battery. Rechargeable battery is good for 5 years.

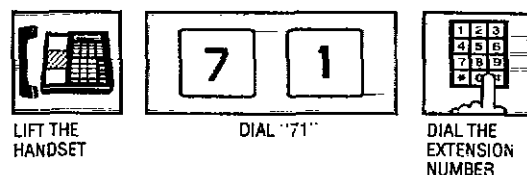
Station Programming

Call Forwarding

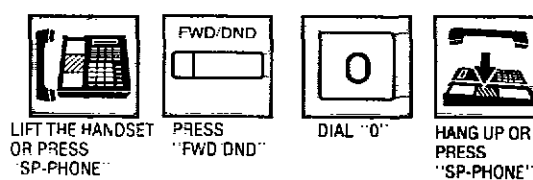
To set call forwarding:



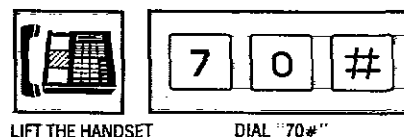
or



To cancel:



or



Description

All outside or intercom calls to your extension can be forwarded to another extension automatically, during your absence.

Operation

To enable

1. Lift the handset or press the SP-PHONE button.
2. Press the FWD/DND button.
3. Dial number of extension to which calls are to be forwarded (21 through 28).
The indicator light of the FWD/DND button will flash slowly.
Confirmation tone will be heard.
"FORWARDING EXT" will be displayed.
4. Replace the handset back on the cradle or press the SP-PHONE button.

or

1. Lift the handset.
2. Dial (71).
3. Dial number of extension to which calls are to be forwarded (21 through 28).
4. Dial (#).
5. Replace the handset back on the cradle.

To cancel

1. Lift the handset or press the SP-PHONE button.
2. Press the FWD/DND button.
3. Dial (0).
The indicator light of the FWD/DND button will be off.
Confirmation tone will be heard. (1 or 2 "FWD/DND CANCEL" will be displayed.)
4. Replace the handset back on the cradle or press the SP-PHONE button.

or

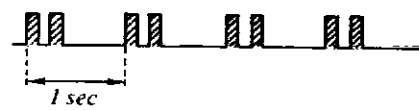
1. Lift the handset.
2. Dial (70#).
3. Replace the handset back on the cradle.

Conditions

- Do Not Disturb is cancelled when call forwarding is established.
- If a call is directed to the forwarding extension, the forwarded extension will ring but the originating extension will not ring.
- Recall for camp-on and Hold recall are not forwarded.

- The tone (busy tone or do not disturb tone etc.) the caller receives depends on the condition of the forwarded extension.

do not disturb tone

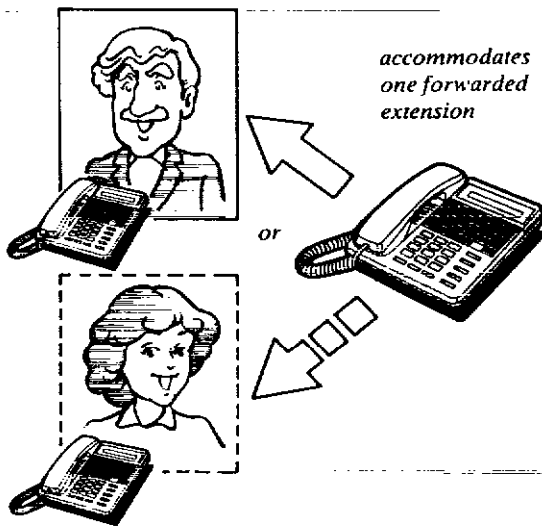


- When an intercom call to the forwarding extension is originated from the forwarded extension, the forwarded extension user hears reorder tone.

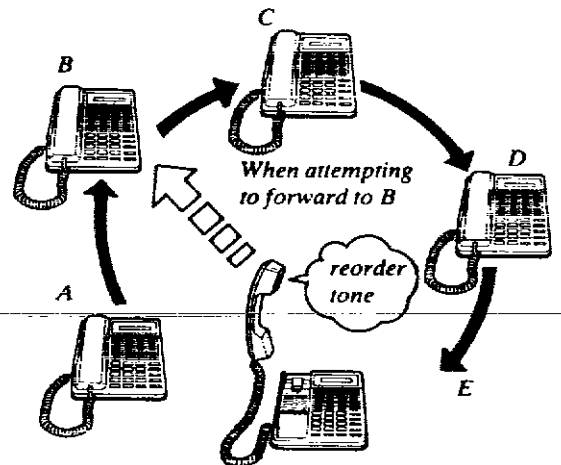
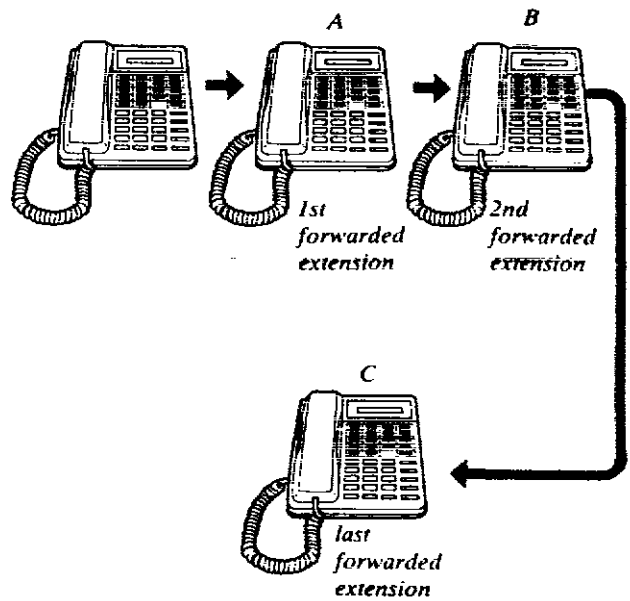
reorder tone: (two beeps a second)



- An extension can not accommodate more than one forwarded extension. At each time of newly setting "Call Forwarding", a destination (forwarded extension code) will be renewed. Old entry will be cancelled.



- If extension A is forwarding all calls to extension B and B is forwarding all calls to C, if any extension calls A, they will be connected to C. (If you attempt to forward a call to a forwarding extension, reorder tone is heard instead of confirmation tone to prevent an endless loop.)



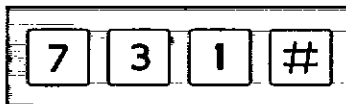
Reorder tone will be produced to prevent an endless loop.

Dial Call Pickup Deny

Setting



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "731#"

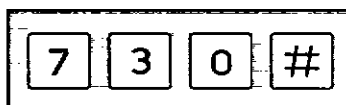


HANG UP OR
PRESS
"SP-PHONE"

To cancel



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "730#"



HANG UP OR
PRESS
"SP-PHONE"

Description

Allows you to prohibit any other extension user from answering calls directed to you.

Condition

From your extension which is in the "Dial Call Pickup Deny" mode, you may call (outside or intercom).

Operation






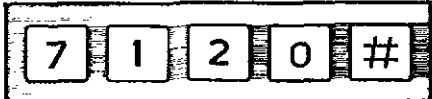








Setting

1. Lift the handset or press the SP-PHONE button.
2. Dial (731#).
Wait for confirmation tone. "C.PICKUP DENY" will be displayed.
3. Hang up or press the SP-PHONE button.

To cancel

1. Lift the handset or press the SP-PHONE button.
2. Dial (730#).
Wait for confirmation tone. "C.PICKUP ALLOW" will be displayed.
3. Hang up or press the SP-PHONE button.

Do not Disturb

Setting	To cancel
    <p>LIFT THE HANDSET OR PRESS "SP-PHONE"</p> <p>PRESS "FWD/DND"</p> <p>DIAL "20"</p> <p>HANG UP OR PRESS "SP-PHONE"</p> <p>or</p>   <p>LIFT THE HANDSET</p> <p>DIAL "7120#"</p>  <p>HANG UP</p>	    <p>LIFT THE HANDSET OR PRESS "SP-PHONE"</p> <p>PRESS "FWD/DND"</p> <p>DIAL "0"</p> <p>HANG UP OR PRESS "SP-PHONE"</p> <p>or</p>   <p>LIFT THE HANDSET</p> <p>DIAL "70#"</p>  <p>HANG UP</p>

Description

Each extension can be individually programmed from receiving outside or intercom calls.

Operation

Setting

1. Lift the handset or press the SP-PHONE button.
2. Press the FWD/DND button.
3. For setting, dial (20).
The indicator of FWD/DND button will be lit.
"DO NOT DISTURB" will be displayed.
Wait for confirmation tone.

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

or

1. Lift the handset.
 2. Dial (7120#).
 3. Hang up.

To Cancel

1. Lift the handset or press the SP-PHONE button.
2. Press the FWD/DND button.
3. Dial (0).
The indicator of the FWD/DND button will go out.
4. Hang up or press the SP-PHONE button.


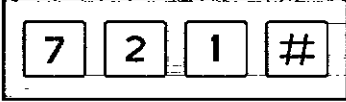



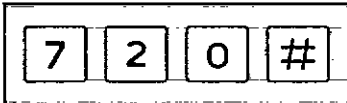



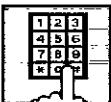
or

1. Lift the handset.
 2. Dial (70#).
 3. Hang up.

Conditions

- When "Do not Disturb" is entered, "Call Forwarding" will be cancelled, if entered.
- "Do not Disturb" does not prevent the extension from recall for recalling for on-hold and camp-on.

Auto CO Hunting

Setting			
			
LIFT THE HANDSET OR PRESS "SP-PHONE"	DIAL "721#"	HANG UP OR PRESS "SP-PHONE"	
To cancel			
			
LIFT THE HANDSET OR PRESS "SP-PHONE"	PRESS "INTERCOM"	DIAL "720#"	HANG UP OR PRESS "SP-PHONE"
Dialling through CO line			
			
LIFT THE HANDSET OR PRESS "SP-PHONE"	WAIT FOR THE CO. DIAL TONE	DIAL THE PHONE NUMBER	

Description

Can access any CO line which is not in use directly by picking up the handset or the speakerphone on and tell an extension user which line is accessing by lighting the CO line indicator.

Operation

Setting

1. Lift the handset or press the SP-PHONE button.
2. Dial (721#).
"AUTO CO HUNT ON" will be displayed.
3. Hang up or press the SP-PHONE button.

To cancel

1. Lift the handset or press the SP-PHONE button.
2. Press the INTERCOM button.
3. Dial (720#).
"AUTO CO HUNT OFF" will be displayed.
4. Hang up or press the SP-PHONE button.

Dialling through CO line


1. Lift the handset or press the SP-PHONE button. Dial tone from CO will be heard.
 2. Dial the phone number.
- When you access an extension in the Auto CO Hunting, press the INTERCOM button after lifting the handset or pressing the SP-PHONE button.

Condition


Standard telephone is not available.

Data Line Security

Setting




LIFT THE HANDSET
OR PRESS
"SP-PHONE"




DIAL "741 #"

HANG UP OR
PRESS
"SP-PHONE"

To Cancel



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "740 #"

HANG UP OR
PRESS
"SP-PHONE"

Description

This feature provides security when transmitting data through an extension of KX-T30810BE.

Operation

1. Lift the handset or press the SP-PHONE button.
2. For setting, dial (741#) and wait for confirmation tone.
For cancellation, dial (740#) and wait for confirmation tone.
3. Hang up or press the SP-PHONE button.

Condition

- The parallel connection of the KX-T7020E/ KX-T7050E/KX-T7130E and a data terminal equipment is impossible.

Saved Number Redial

Programming

When the called line is busy or while you are speaking on the CO Line;



PRESS
"AUTO DIAL"



PRESS
"SAVE"

Dialling



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



PRESS
"SAVE"

Description

The desired phone number on an outgoing call to CO Line can be stored and then redialled.

Programming

While speaking on the CO Line or when the called party is busy.

1. Press the AUTO DIAL button.
2. Press the SAVE button.

- The phone number can not be stored even if you press the AUTO DIAL and SAVE buttons after hang up.

Dialling

1. Lift the handset or press the SP-PHONE button.
2. Press the SAVE button.

- You may press the CO button to select the CO line directly after lifting the handset or pressing the SP-PHONE button.

Condition

- Up to 32 digits can be stored and redialled.

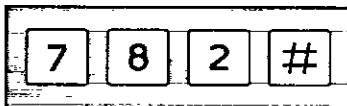
Flexible Night Service

(Extension 21 only)

To enable night service: (To disable day service)



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "782#"

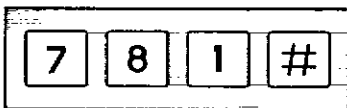


HANG UP OR
PRESS
"SP-PHONE"

To disable night service: (To enable day service)



LIFT THE HANDSET
OR PRESS
"SP-PHONE"



DIAL "781#"



HANG UP OR
PRESS
"SP-PHONE"

Description

Normal system operation is set for day time. Night service allows for the outward dialling and incoming ringing assignments to be rearranged via programming.


Night service is enabled or disabled through extension 21 using this feature, at any time.

Without activating this feature, the day/night services are automatically switched at pre-determined time (9:00 AM and 5:00 PM for default time) by the internal clock if the Switching Mode (Day/Night Service) is selected "AUTO" mode in the KX-T30810BE.

Refer to "Switching Mode (Day/Night Service)" page 2-9 and "Starting time (Day/Night Service)" page 2-10.

Operation

1. Lift the handset or press the SP-PHONE button of extension 21.
2. Dial (782#) and wait for confirmation tone. Night service is enabled. "NIGHT MODE" will be displayed.
3. To return to day service, dial (781#) and wait for confirmation tone. "DAY MODE" will be displayed.
4. Hang up or press the SP-PHONE button.

When the unit is not in use, the present mode selected will be shown by pressing the  button.



Flexible CO Button

Changing to Another CO Button

- 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".



Press CO which you want to change to different CO button



Dial "0"



Dial new CO number (1 through 3)



Press "STORE"

- After programming all CO buttons, return the MEMORY switch to the "SET" position.

Description

Allows each CO button to be changed to a different CO number.

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 CO button which you want to change to a different CO number.
When pressing CO 1 button, "CO 1" will be displayed.

2. Dial (0).
"CO" will be displayed.

3. Dial the new CO number (1 through 3).
When dialling (2), "CO 2" will be displayed.

4. Press the STORE button.

- After programming all CO buttons, return the MEMORY switch to the "SET" position.
- Initial assignment (default) for the flexible buttons is as follows:

CO 1 button...CO 1	CO 7 button...DSS 23
CO 2 button...CO 2	CO 8 button...DSS 24
CO 3 button...CO 3	CO 9 button...DSS 25
CO 4 button...not stored	CO 10 button...DSS 26
CO 5 button...DSS 21	CO 11 button...DSS 27
CO 6 button...DSS 22	CO 12 button...DSS 28

Changing to DSS Button

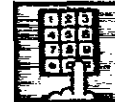
- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".



Press CO which you want to change to change to DSS button



Dial "1"



Dial extension number (21 through 28)



Press "STORE"

- After programming all CO buttons, return the MEMORY switch to the "SET" position.

Description

Allows each CO buttons to be changed to a DSS (Direct Station Selection) button.
DSS button can be used instead of dialling an extension number.

Operation

Setting

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY button switch of the proprietary telephone to "PROGRAM".

1. Press the CO button which you want to change to DSS button.
When pressing CO 1 button, "CO 1" will be displayed.

2. Dial (1).
"EXT" will be displayed.

3. Dial the extension number (21 through 28).
When dialling (21), "EXT 21" will be displayed.

4. Press the STORE button.

- After programming all CO buttons, return the MEMORY switch to the "SET" position.

Dialling (Inter Office Calling)

1. Lift the handset or press the SP-PHONE button.
2. Press the CO button which can be used as DSS button.

Flexible CO Button (cont.)

Changing to One Touch Dialling Button

- 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".



Press CO which you want to change to one touch dialling



Dial "2"



Dial "9"



Dial phone number



Press "STORE"

- After programming all DSS buttons, return the MEMORY switch to the "SET" position.

Description

Allows each CO button to be changed to an one touch dialling button.
Up to 16 digits can be stored in each CO button.

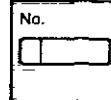
Operation

- 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 CO button which you want to change to one touch dialling button.
When pressing CO 1 button, "CO 1" will be displayed.
 2. Dial (2).
 3. Dial (9).
 - You may dial 81 through 83 instead of 9 to select the desired trunk.
 4. Dial the phone number.
 5. Press the STORE button.
- After programming all CO buttons, return the MEMORY switch to the "SET" position.

Flexible DSS Button

Changing to Another DSS Button

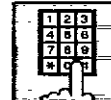
- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".



Press DSS which you want to change to different extension number



Dial "1"



Dial new extension number (21 through 28)



Press "STORE"

- After programming all DSS buttons, return the MEMORY switch to the "SET" position.

Description

Allows each DSS button to be changed to an extension number which is different from the default extension number.

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".

1. Press the DSS button which you want to change to a different extension number.
When pressing DSS button, "DSS" will be displayed.
2. Dial (1).
3. Dial the new extension number (21 through 28).
4. Press the STORE button.

- After programming all DSS buttons, return the MEMORY switch to the "SET" position.

Condition

If you program the same extension number as another CO or DSS button, the original one will be cleared.

Flexible DSS Button (cont.)

Changing to One Touch Dialling Button

- 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".



Press DSS which you want to change to one touch dialling



Dial "2"



Dial "9"



Dial phone number



Press "STORE"

- After programming all DSS buttons, return the MEMORY switch to the "SET" position.

Description

Allows each DSS button to be changed to a one touch dialling button.

Up to 16 digits can be stored in each DSS button.

Operation

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY button of the proprietary telephone to "PROGRAM".

1. Press the DSS button which you want to change to one touch dialling button.

2. Dial (2).

3. Dial (9).

- You may dial 81 through 83 instead of 9 to select the desired trunk.

4. Dial the phone number.

5. Press the STORE.

- After programming all DSS buttons, return the MEMORY switch to the "SET" position.

Flexible MESSAGE (Message Waiting) Button

Message Waiting feature is not available on KX-T30810BE. Therefore, please use a MESSAGE button as a DSS button or one touch dialling button by programming as shown below.

Changing to DSS Button

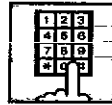
- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY switch of the proprietary telephone to "PROGRAM".



Press MESSAGE



Dial "1"



Dial extension number (21 through 28)



Press "STORE"

- After programming the MESSAGE button, return the MEMORY switch to the "SET" position.

Description

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

Operation

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY button switch of the proprietary telephone to "PROGRAM".

1. Press the MESSAGE button.
"NOT STORED" will be displayed.
2. Dial (1).
3. Dial the new extension number (21 through 28).
4. Press the STORE button.

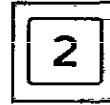
- After programming the MESSAGE button, return the MEMORY switch to the "SET" position.

Changing to One Touch Dialling Button

- 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".



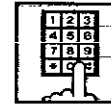
Press MESSAGE



Dial "2"



Dial "9"



Dial phone number



Press "STORE"

- After programming the MESSAGE button, return the MEMORY switch to the "SET" position.

Description

Allows the MESSAGE button to be used as an one touch dialling memory location.
Up to 16 digits can be stored.

Operation

- Be sure the handset is on the cradle and the SP-PHONE button is off.
- Set the MEMORY button switch of the proprietary telephone to "PROGRAM".

1. Press the MESSAGE button.
"NOT STORED" will be displayed.
2. Dial (2).
3. Dial (9).
 - You may dial 81 through 83 instead of 9 to select the desired trunk.
4. Dial the phone number.
5. Press the STORE button.

- After programming the MESSAGE button, return the MEMORY switch to "SET" position.

Door Opener

To unlock the door while talking with the visitor through the doorphone;



Dial "5"



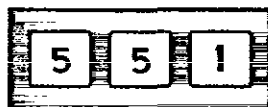
Hang up
or press
SP-PHONE

- The Door Opener 1 or 2 will be unlocked corresponding to the Doorphone 1 or 2.

To unlock the door after confirming the call;



Lift the
handset or
press
SP-PHONE



Dial "551"



Hang up or
press
SP-PHONE

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

Description

Allows an extension user to unlock the door for a visitor from the telephone set without going to the door. The door can be unlocked only by the extension users who have been programmed to receive doorphone calls. Up to two Door Openers can be connected to the system.

See pages 1-13 and 2-33 for installation and programming.

Operation

To unlock the door 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 to "ON" to unlock the door.

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

To unlock the door after confirming the call

1. Lift the handset or press the SP-PHONE button.

2. Dial (551) for Door Opener 1.

Dial (552) for Door Opener 2.

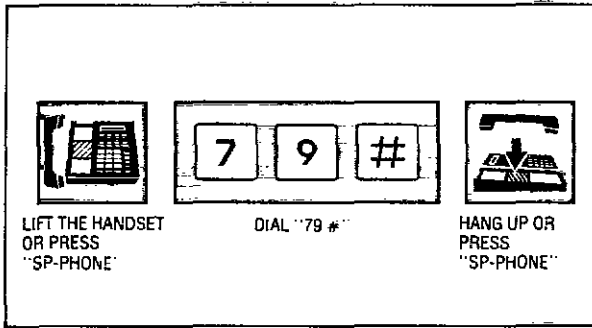
The Door Opener 1 or 2 will be switched "ON" to unlock the door.

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

Conditions

- The door is unlocked for about 5 seconds.
- 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.
- A busy extension will not hear the call waiting tone for a doorphone call.
- If you use a standard telephone to unlock the Door Opener while talking through the Doorphone, first press the RECALL button before step 1.

Station Program Clear



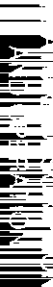
Description

Dialling (79 #) will clear the following station programs on an extension.

- Background Music*
- Call Forwarding*
- Data Line Security*
- Dial Call Pickup Deny*
- Do not Disturb*

Operation

1. Lift the handset or press the SP-PHONE button.
2. Dial (79 #) and wait for confirmation tone. "EXT DATA CLEAR" will be displayed.
3. Hang up or press the SP-PHONE button.



OPERATION FOR STANDARD TELEPHONE (MF4 and LD telephones)

An MF4 telephone equipped with the Register Recall button and an LD telephone can be used as the extension of the KX-T30810BE.

When you use an LD telephone, press "1" instead of the Register Recall button.

To Make Calls

Inter Office Calling

(Intercom) (see page 3-1)

Description

Station to station dialling within the KX-T30810BE system.

Operation



LIFT THE
HANDSET



DIAL EXTENSION
NUMBER
(21 through 28)

Speed Dialling (see page 3-3)

Description

There are 100 memory locations of system speed dialling available.

Operation



LIFT THE
HANDSET



DIAL "*"



DIAL SPEED
ACCESS CODE (00 through 99)

- It is not necessary to access a CO line.
- An LD telephone is not available for the speed dialling.

Outward Dialling (see page 3-2)

Automatic Line Access

Description

Each extension can automatically select an idle CO Line within the KX-T30810BE.

Operation



LIFT THE
HANDSET



DIAL "9"



WAIT FOR
C.O. DIAL TONE



DIAL TELEPHONE
NUMBER

Calling Doorphone (see page 3-6)

Description

Up to two doorphones (KX-T30865E) can be connected to the KX-T30810BE.

Operation

Doorphone 1



LIFT THE HANDSET



DIAL "41"

Doorphone 2



LIFT THE HANDSET



DIAL "42"

Individual Line Access

Description

Any of the 3 CO Lines may be selected by dial access.

Operation



LIFT THE
HANDSET



DIAL "8"



DIAL CO
NUMBER
(1 through 3)



WAIT FOR C.O.
DIAL TONE



DIAL TELEPHONE
NUMBER

When a Line is Busy

Last Number Redial (see page 3-7)

Description

The last phone number dialled on an outgoing call to CO can be redialled.

Operation



LIFT THE
HANDSET



PRESS "#"

- You may dial "80" instead of pressing the "#" button.

To Receive Calls

Answer (see page 3-8)

Operation



LIFT THE
HANDSET

Dial Call Pickup (see page 3-9)

Description

An extension user can answer any ringing extension within their own pickup group.

Operation



LIFT THE HANDSET



DIAL "50"

Directed Call Pickup (see page 3-9)

Description

An extension may answer an incoming call that is ringing at another extension regardless of pickup group.

Operation



LIFT THE HANDSET



DIAL "5"



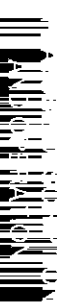
DIAL THE RINGING
EXTENSION NUMBER
(21 through 28)

Doorphone (see page 3-10)

Operation



LIFT THE
HANDSET



While Having a Conversation

Call on Hold (see page 3-11 and 3-13)

Description

If you wish to leave your phone unattended but want the caller you are in conversation with to wait, call on hold may be used. Intercom and outside calls may be placed on hold.

Operation

To Place a Call on Hold



PRESS THE REGISTER RECALL BUTTON



CONFIRMATION TONE

To Cancel



PRESS THE REGISTER RECALL BUTTON

Call Splitting (see page 3-17)

Description

Allows station user to alternate between two parties, either intercom or outside.

Operation



PRESS THE REGISTER RECALL BUTTON



DIAL SECOND PARTY



CONSULT 2ND PARTY 1ST PARTY ON HOLD



PRESS THE REGISTER RECALL BUTTON



2ND PARTY ON HOLD 1ST PARTY IN CONSULTATION



PRESS THE REGISTER RECALL BUTTON



1ST PARTY ON HOLD 2ND PARTY IN CONSULTATION

Conference (see page 3-15)

Description

Allows for up to a three party conference (3-inside).

Operation



PRESS THE REGISTER RECALL BUTTON TO PUT 1ST PARTY ON HOLD



DIAL 2ND PARTY



CONSULT WITH 2ND PARTY 1ST PARTY ON HOLD



PRESS THE REGISTER RECALL BUTTON



DIAL "3" (3-party conference now established.)

■ To Hold one Caller and Talk to the Other Caller



PRESS THE REGISTER RECALL BUTTON



2ND PARTY ON HOLD 1ST PARTY IN CONSULTATION

While Having a Conversation (cont.)

Call Transfer (see page 3-16)

Description

Outside or intercom calls may be transferred to any extension manually.

Operation

To Transfer After Other Extension Answers



PRESS THE REGISTER RECALL BUTTON



DIAL EXTENSION NUMBER



ANNOUNCE AND WAIT FOR AN ANSWER



HANG UP

To Transfer without Announcing the Other Extension



PRESS THE REGISTER RECALL BUTTON



DIAL EXTENSION NUMBER



HANG UP

To Retrieve the Call

If the other extension did not receive the transferred call within 30 seconds after the call has been transferred, the call will return to you. In this case:



LIFT THE HANDSET

- The time that the call returns to you when the transferred call is not received can be changed 30 seconds into 15 seconds.

For changing, see page 2-18.

To change the party to whom a call is transferred before hanging up



PRESS THE REGISTER RECALL BUTTON TO RETRIEVE THE CALL



PRESS THE REGISTER RECALL BUTTON



DIAL EXTENSION NUMBER

Paging

Paging All Extension (see page 3-18)

Description

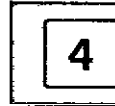
Allows paging to all extensions.

Operation

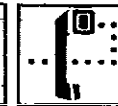
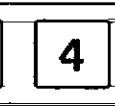
To Access



LIFT THE HANDSET



DIAL "44"



CONFIRMATION TONE



PAGE



WAIT FOR AN ANSWER AND TALK

- Page will be heard only from the built-in speaker of KX-T7020E, KX-T7050E or KX-T7130E. It will not be heard from the built-in speaker of standard telephone.



Paging (cont.)

Paging Group (see page 3-19)

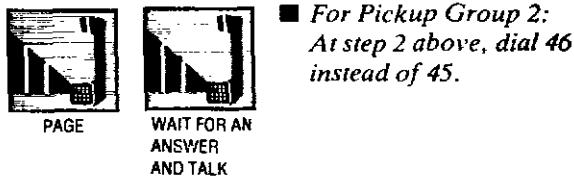
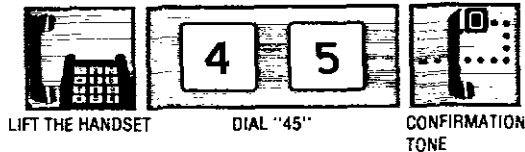
Description

Allows paging to either of two groups.

Operation

To Access

For Pickup Group 1



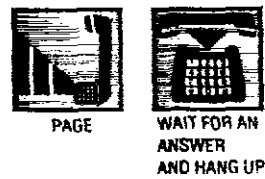
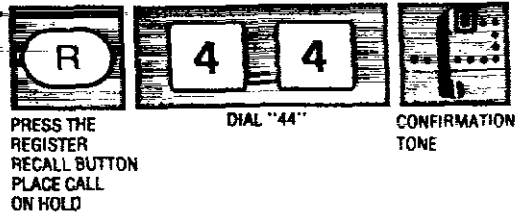
- Page will be heard only from the built-in speaker of KX-T7020E, KX-T7050E or KX-T7130E. It will not be heard from the built-in speaker of standard telephone.



Paging And Transfer (see page 3-20)

Operation

To Transfer a Call to the Paged Person



- You may dial 45, 46 or 43 instead of 44.

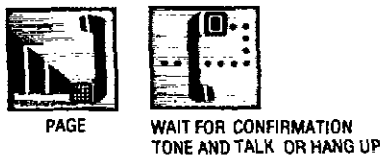
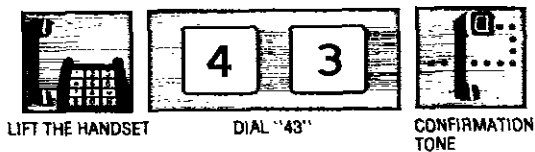
Paging—External (see page 3-19)

Description

Allows access to external paging equipment.

Operation

To Access



- Page will be heard from external paging equipment.

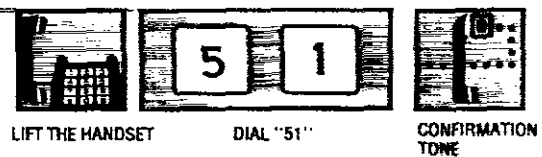


Paging—ANSWER (see page 3-20)

Description

A page from built-in speaker or external paging equipment can be answered from any extension.

Operation



Use of Other Features

External Feature Access (see page 3-23)

Description

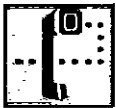
Allows extension user to access features of the central office. (example: call waiting feature can be supplied by central office.)

Please contact your Central Office about Call Waiting Service (from the Central Office) and its Operation.

- The external feature (call waiting) can only be accessed when engaged on an outside call.
- The following example shows you one of the procedures.

Operation

Call Waiting Service—From Central Office



WILL HEAR A CALL WAITING TONE



PRESS THE REGISTER RECALL BUTTON



DIAL 0



CONSULT WITH THE NEW CALLER WHILE THE ORIGINAL CALL IS ON HOLD



PRESS THE REGISTER RECALL BUTTON



DIAL "0"



CONSULT WITH THE ORIGINAL CALLER WHILE THE 2ND CALL IS ON HOLD

(If the calling party on hold hangs up, the line is terminated.)

- Pushing the Register Recall Button and dialing 0 means recall operation.
- If KX-T30810BE is connected to the Central Office and recall operation is required, follow the procedure of recall operation which is required in the Central Office.

Intercom Alerting Mode (see page 3-25)

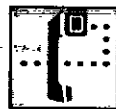
Description

"Voice alerting" (through built-in speaker) that is established at the called party's extension, can be switched to "Tone alerting" (ringing).

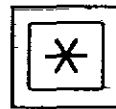
- This feature required to be set beforehand in the KX-T30810BE. For programming, see page 2-24.
- An LD phone is not available.

Operation

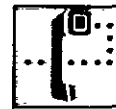
Switching to Tone Alerting



WAIT UNTIL A CONFIRMATION TONE IS HEARD



PRESS "*"



RING BACK TONE

- You should press "*" button within 10 seconds after the dialling.

Station Programming

■ You may dial "0" instead of pressing the "#" button.

Call Forwarding (see page 3-28)

Description

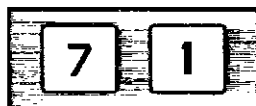
All outside or intercom calls to your extension can be forwarded to another extension automatically during your absence.

Operation

Setting



LIFT THE HANDSET



DIAL "71"



DIAL THE EXTENSION NUMBER



DIAL "#"



HANG UP

To Cancel



LIFT THE HANDSET



DIAL "70#"



HANG UP

Dial Call Pickup Deny (see page 3-30)

Description

Allows you to prohibit any other extension user from answering calls directed to you.

Operation

Setting



LIFT THE HANDSET



DIAL "731 #"

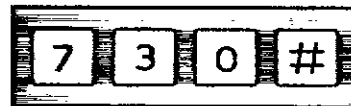


HANG UP

To Cancel



LIFT THE HANDSET



DIAL "730 #"



HANG UP

Do not Disturb (see page 3-31)

Description

Each extension can be individually programmed from receiving outside or intercom calls.

Operation

Setting



LIFT THE HANDSET



"7120#"



HANG UP

To Cancel



LIFT THE HANDSET



DIAL "70#"



HANG UP

Station Programming (cont.)

Data Line Security (see page 3-33)

Description

This feature provides security when transmitting data through an extension of the KX-T30810BE. Call waiting or hold time reminder tone from KX-T30810BE are prohibited in this mode.

Operation

Setting



LIFT THE HANDSET

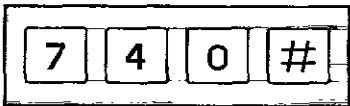


DIAL "741#"

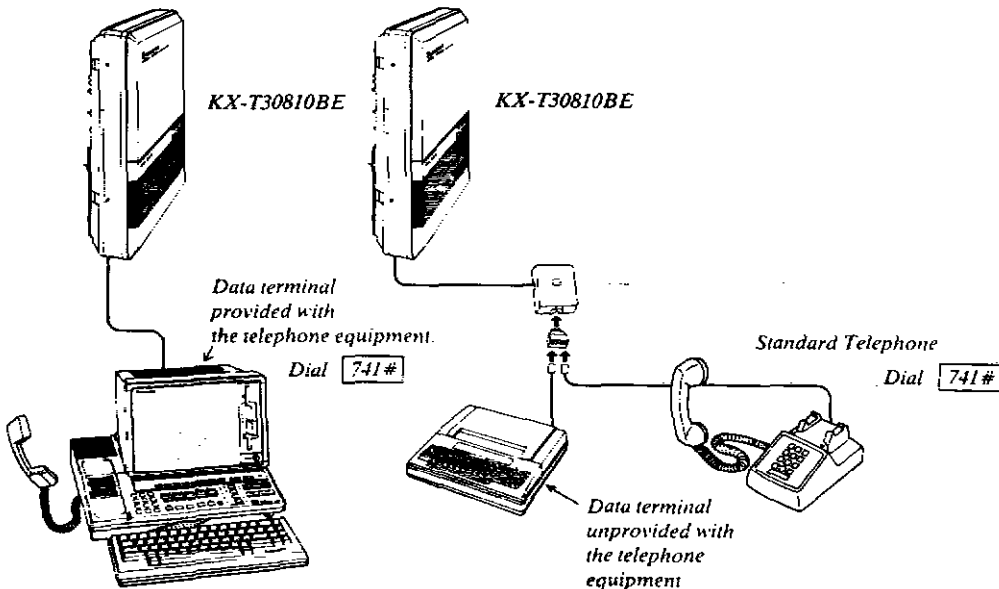
To cancel



LIFT THE HANDSET



DIAL 740#



- This mode cannot prevent external call waiting tone from coming into KX-T30810BE system. We recommend that this mode is established on a line which has no special telephone company services.

Station Program Clear (see page 3-40)

Description

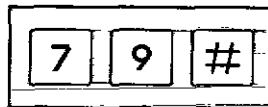
Dialling (79 #) will clear the following station programs on an extension.

Call Forwarding
Data Line Security
Dial Call Pickup Deny
Do not Disturb

Operation



LIFT THE HANDSET



DIAL 79#



HANG UP

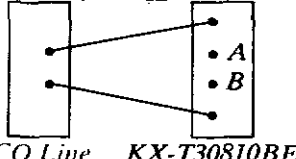
TROUBLESHOOTING

During Installation

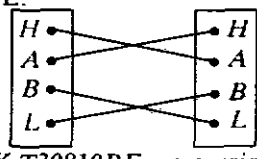
PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
<i>Extension does not operate.</i>	<p><i>Wrong connection between system and extension</i></p> <p><i>The system program switch of the KX-T30810BE is set to PROGRAM.</i></p> <p><i>Wrong extension</i></p>	<p><i>Take that extension and plug it into the same extension port using a short telephone cord. If telephone does not work, connection between the system and the extension must be repaired.</i></p> <p><i>Set to SET except when programming.</i></p> <p><i>Take that extension and plug it into another extension port that is working. If the telephone does not work, replace the phone.</i></p>
<i>Improper reset operation</i>		<i>Press the Reset Button.</i>
<i>Call is disconnected during connection operation.</i>	<i>Instantaneous drop of DC voltage from Central Office when in operation of connection between C.O. and system.</i>	<p><i>Program for a no CPC signal (CPC means Calling Party Control)</i></p> <p><i>Set the calling party control signal to "DISABLE".</i></p> <p><i>Refer to page 2-23.</i></p>
<i>Noise in external paging</i>	<i>Induced noise on the wire between System and an Amplifier.</i>	<p><i>Use a shielded cable as a connection wire between System and Amplifier.</i></p> <p><i>A shorter shielded cable is recommended.</i></p>
<i>Volume distortion from external music source</i>	<i>Excessive input level from external music source</i>	<i>Decrease the Output level of the external music source by using the Volume Control on the music source.</i>
<i>Speed dialling or One Touch Dialling does not function.</i>	<i>Wrong programming</i>	<i>Enter the line access code (9, 81, 82, 83) into programming.</i>

During Connection

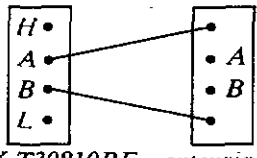
1. Connection between the Central Office and the KX-T30810BE

PROBLEM	CAUSE	SOLUTION
Cannot make or receive calls on the CO Lines.	CO Lines are connected to the H:L.  <p>CO Line KX-T30810BE</p>	Reconnect the CO Lines to the A/B/E/ of the telephone jack using more than 3-conductor wiring cord.

2. Connection between the KX-T30810BE and the extensions (KX-T7020E, KX-T7050E and KX-T7130E)

PROBLEM	CAUSE	SOLUTION
Cannot make calls when the SP-Phone button on the KX-T7020E, KX-T7050E and KX-T7130E is pressed. The SP-Phone indicator does not light.	The T:R is connected to the H:L.  <p>KX-T30810BE extension</p>	Use the correct cord (inner 2 wires are for A/B and the outer 2 wires are for H:L).

3. Connection between the KX-T30810BE and a standard telephone (with no polarity)

PROBLEM	CAUSE	SOLUTION
When the handset is lifted, nothing is heard.	The T:R is connected to the H:L.  <p>KX-T30810BE extension</p>	Use the correct cord (inner 2 wires are for A/B).

During Operation

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
<i>When speakerphone mode, nothing is heard.</i>	<i>The HANDSET/ HEADSET selector of the KX-T7130E is set to the "HEADSET" position.</i>	<i>Set the HANDSET/HEADSET selector to the "HANDSET" position.</i>
<i>The unit does not ring.</i>	<i>Ringer Volume Selector is set to "OFF".</i>	<i>Set to "HIGH" or "LOW".</i>

Reset Button

If the system is not operating properly, use the Reset Button.

- *Before using Reset Button, try again the system feature which does not work several times to confirm there definitely is a problem.*
- *Pressing the Reset button will cause the followings.*
 1. *Camp-on to be cleared.*
 2. *Last number redial to be cleared.*
 3. *Saved number redial to be cleared.*
 4. *Calls on hold are terminated.*
 5. *Calls on exclusive hold are terminated.*
 6. *Calls in progress are terminated.*

Data that is stored in memory other than above mentioned will not be cleared by use of the Reset Button.

Note

If the system does not operate properly, push the Reset Button.

If still no difference occurs, switch the power off and on again after 5 minutes. If the system still does not work, switch the power off.

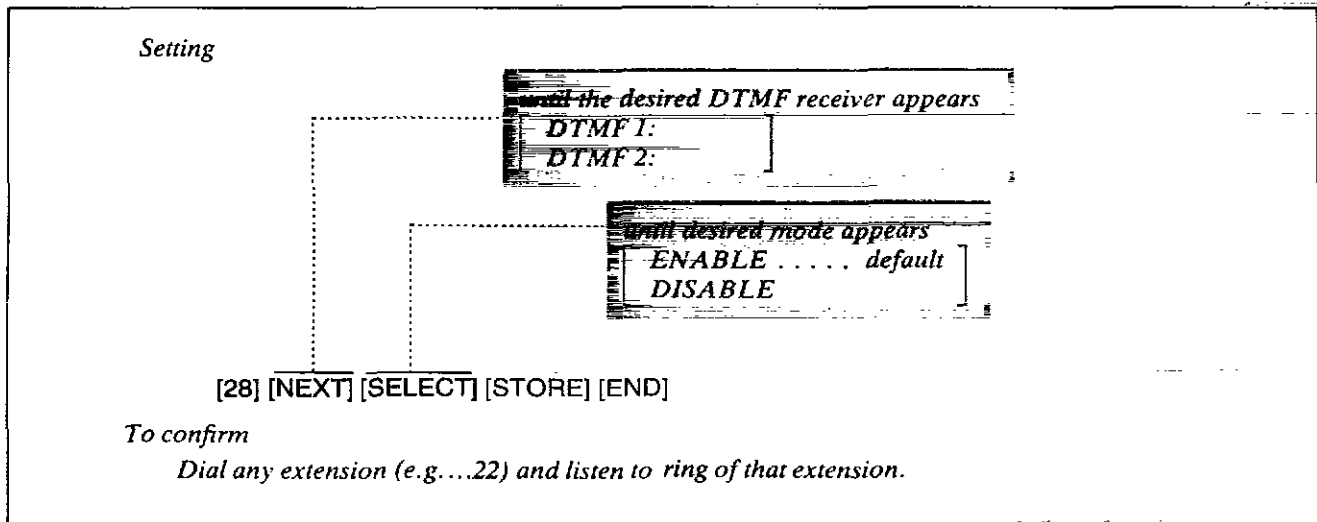
The following extensions will be directly connected to each of the central office lines (C.O.).

Extension 21...C.O.1

Extension 22...C.O.2

Extension 23...C.O.3

DTMF Receiver Check



Description

DTMF (Dual Tone Multi Frequency) Receiver enables MF4 telephones to dial within the system.

To check the DTMF Receivers, activate the DTMF Receivers one at a time and confirm if the receiver can receive tone signals.

Operation at Extension 21

To Remove DTMF Receiver 2:

1. Set the System Program Switch to the "PROGRAM" position.
2. Dial (28) to enter the DTMF mode.
"DTMF 1: ENABLE" will be displayed.
3. Press the NEXT button.
"DTMF 2: ENABLE" will be displayed.
4. Press the SELECT button to change to DISABLE.
"DTMF 2: DISABLE" will be displayed.
5. Press the STORE button.
6. Press the END button to return to the initial program mode.
7. Set the System Program Switch to the SET position.

Confirmation of DTMF Receiver 1:

1. Please use a tone type standard telephone.
2. Dial the extension number (e.g. . . .22).
3. If DTMF Receiver is bad, do the following procedure for removing the DTMF Receiver.

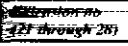





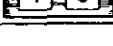


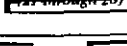








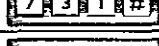
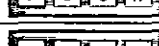




To check the DTMF Receiver 2, remove DTMF Receiver 1 and confirm that DTMF Receiver 2 is good by the procedures of "To Remove DTMF Receiver 1" and "Confirmation of DTMF Receiver 2".

Condition

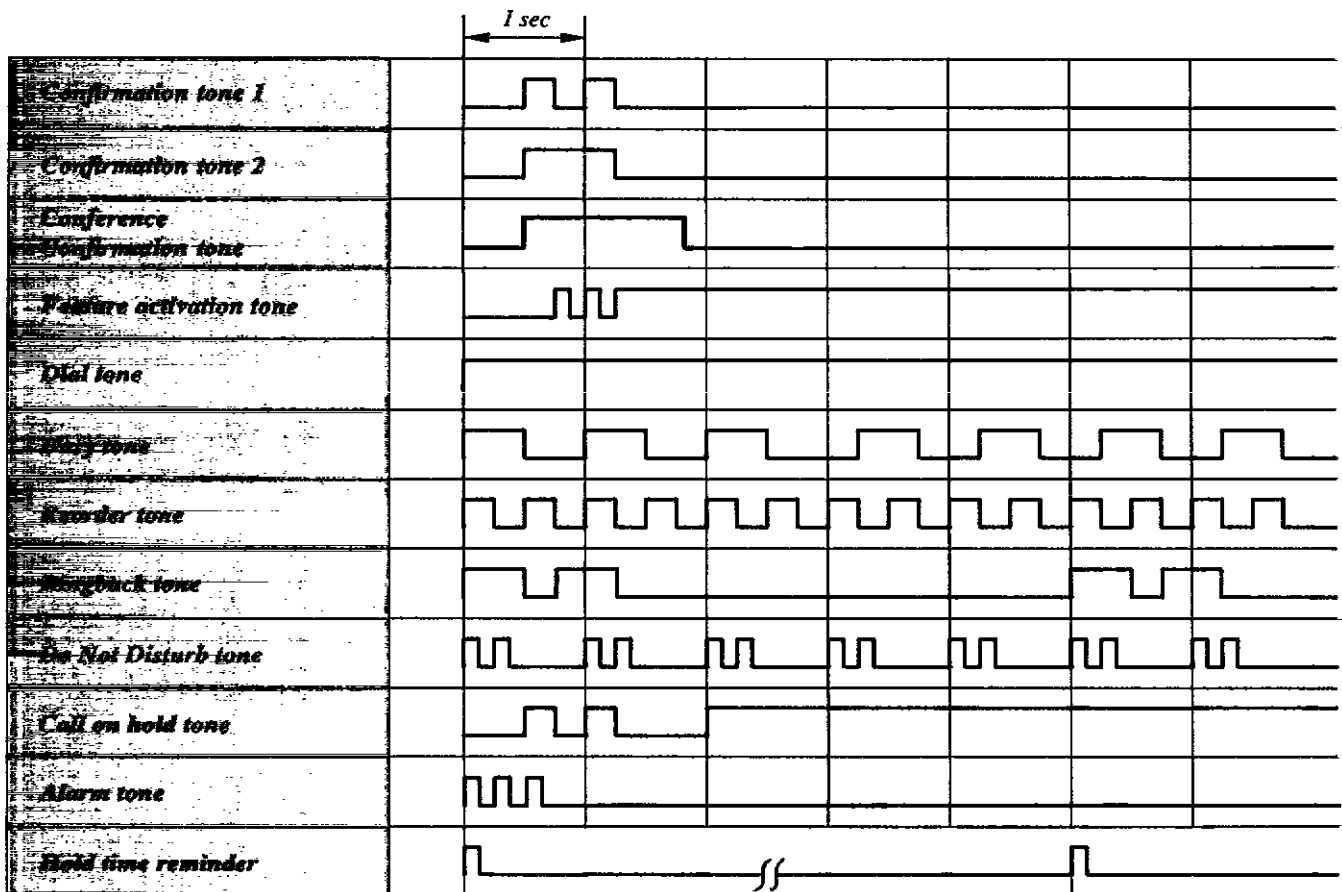
- The "DISABLE" can not be established on both DTMF Receivers 1 and 2, at the same time.

Table of System Features

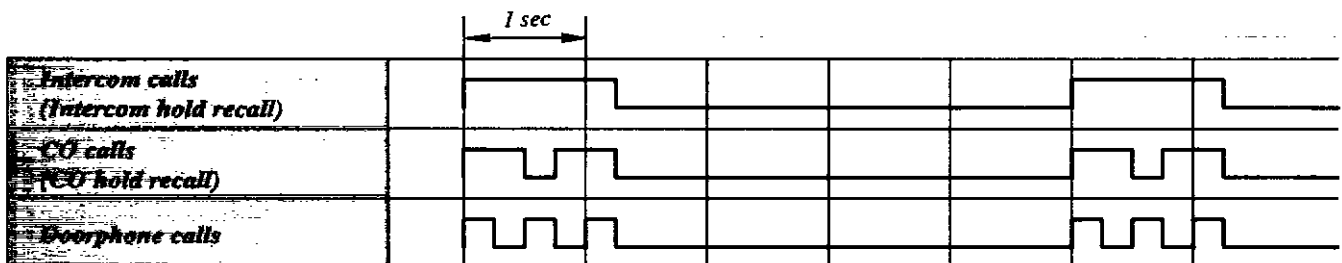
The following system features can be programmed into memory.

Dial Plan Code	System Features
	Individual Inter Office Calling
 or 	Calling Doorphone 1 or Doorphone 2
	Paging—External
	Paging All Extensions
 or 	Paging Group 1 or 2
	Dial Call Pickup
 	Directed Call Pickup
 or 	Door Opener 1 or Door Opener 2
	Paging Answer
	Cancelling Call Forwarding or Do Not Disturb
  	Call Forwarding
	Do Not Disturb
	Cancelling Dial Call Pickup Deny
	Dial Call Pickup Deny
	Cancelling Background Music
	Background Music
	Flexible Night Service—Day Mode
	Flexible Night Service—Night Mode

LIST OF TONES



LIST OF RING TONES



SPECIFICATION

General Description

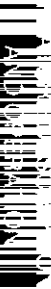
1. Capacity	Outsides (CO) 3 Stations 8
2. Control Method	Stored Program CPU: 8 bits CPU, 4 bits CPU Control ROM: 48 KB, Control RAM: 8 KB
3. Switching	Space Division CMOS Crosspoint Switch
4. Power Supplies	Primary 230-240VAC, 50Hz Secondary Station Supply Volt: +26 V, Circuit Volt: +5 V, +12 V, +18 V, +26 V Power Failure ●3 outsides assigned to stations (1 through 3)...power failure transfer
5. Dialling	Outward Dial Pulse 10PPS Tone Dial Internal Dial Pulse 10PPS, 20PPS Tone Dial Mode Conversion DP-DTMF, DTMF-DP
6. Connector	Outsides (CO) Modular Jack Station Modular Jack Paging Output Pin Jack (RCA JACK) External Music Input two-conductors Jack (MINI JACK 3.6 mm diameter)
7. EXT Connection	Cable 1 pair wire (Standard Telephone) 2 pair wire (KX-T7020E/KX-T7050E/KX-T7130E)
8. Intercom parths	3

Characteristics

1. Station Loop Limit	KX-T7020E/KX-T7050E/ 40 ohms KX-T7130E Standard Telephone 600 ohms including set Doorphone 20 ohms
2. Minimum Leak Resistance	15,000 ohms
3. Maximum Number of Station Instruments per Line	1 (KX-T7020E, KX-T7050E or KX-T7130E) or 3 (Standard telephone)
4. Ring Voltage	90 Vrms at 20 Hz depends on Ringing Load
5. Primary Power	230-240VAC, 50Hz
6. Environmental Requirements	0-40°C/32-104°F, 10%-90%

OTHERS

- *Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps, motors and television. These noise sources can interfere with the performance of the EASA-PHONE.*
- *This unit should be kept free of dust, moisture, high temperature and vibration, and should not be exposed to direct sunlight.*
- *Never attempt to insert wires, pins, etc. into the vents or other holes of this unit.*
- *If there is trouble, disconnect the unit from the telephone line. Plug the telephone directly into the telephone line. If the telephone operates properly, do not reconnect the unit to the line until the trouble has been repaired by an authorized Panasonic Factory Service Center. If the telephone does not operate properly, chances are that the trouble is in the telephone system, and not in the unit.*
- *Do not use benzine, thinner, or similar solvents. Do not use abrasive powder to clean the cabinet. Wipe it with a soft cloth.*
- *The apparatus is not designed to be installed and operated under controlled conditions of ambient temperature and a relative humidity not greater than 60%.*
- *Avoid installing the apparatus in damp or humid environments, such as bathrooms or swimming pools.*



WARNING

Interconnection directly, or by way of other apparatus, of ports marked "SAFETY WARNING. See instructions for use." with ports not so marked may produce hazardous conditions on the BT network and that advice should be obtained from a competent engineer before such a connection is made.

The connection to the BT network must be unplugged before the earth is disconnected.

The connection to the BT network must not be hard wired.

NOTE: An appropriate means of connecting the apparatus to protective earth is by hard wiring.

'Prevention of access by user. This apparatus is intended to be accessible only to authorized personnel. This apparatus must be installed in a locked room or similar environment, such that user-access is prevented. Failure to prevent such user-access will invalidate any approval given to this apparatus.'

WARNING: *Do not push the PAUSE button more than twice following the initial access digit (or digits). Failure to comply with this requirements may result in unsatisfactory operation.*

The serial number of this product may be found on the label affixed to the bottom of the unit. You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid in identification in the event of theft.

MODEL NO.: ***KX-T30810BE***

SERIAL NO.: _____

For your future reference

DATE OF PURCHASE _____

NAME OF DEALER _____

DEALER'S ADDRESS _____

Panasonic

Phone Number Directory

► TELEPHONE NUMBER ◀

	TEL NO.	NOTE
1		
2		
3		

► EXTENSION NUMBER ◀

No.	NAME	NOTE	No.	NAME	NOTE
21			25		
22			26		
23			27		
24			28		

► SPEED CALLING ◀

CODE	NAME	TEL NO.	CODE	NAME	TEL NO.
00			15		
01			17		
02			18		
03			19		
04			20		
05			21		
06			22		
07			23		
08			24		
09			25		
10			26		
11			27		
12			28		
13			29		
14			30		
15			31		

Panasonic

▶ SPEED CALLING ◀

CODE	NAME	TEL NO.	CODE	NAME	TEL NO.
32			66		
33			67		
34			68		
35			69		
36			70		
37			71		
38			72		
39			73		
40			74		
41			75		
42			76		
43			77		
44			78		
45			79		
46			80		
47			81		
48			82		
49			83		
50			84		
51			85		
52			86		
53			87		
54			88		
55			89		
56			90		
57			91		
58			92		
59			93		
60			94		
61			95		
62			96		
63			97		
64			98		
65			99		

PROGRAMMING TABLE

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM																																																		
Date and Time	[00]	<p>[A] [♦] [SELECT] [♦] [B] [♦] [SELECT] [♦] [C] [♦] [D] [♦] [SELECT] [STORE] [END]</p> <p style="margin-left: 20px;"> ___year ___month ___day ___day of ___minute ___AM:PM the week ___hour </p>																																																		
System Speed Calling Entry	[01] or [AUTO]	<p>[AB] [CD] [phone number] [STORE]</p> <p style="margin-left: 20px;"> [9]: automatic line access number [81] through [83]: outside line access number [00] through [79]: speed access code </p> <ul style="list-style-type: none"> • To advance to the next code [SELECT] [AB] [CD] [phone number] [STORE] • To exit the speed calling entry, press [END]. 																																																		
Dial Mode (Tone/Pulse) Selection	[03]	<p>[NEXT] [SELECT] [STORE] [END]</p> <p style="margin-left: 20px;"> -----TONE/PULSE -----until the desired CO number appears </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> </thead> <tbody> <tr> <td>CO(s)</td> <td>all CO's</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Pulse mode</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tone mode</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change			CO(s)	all CO's	1	2	3	Pulse mode	x				Tone mode																																		
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CO(s)	all CO's	1	2	3																																																
Pulse mode	x																																																			
Tone mode																																																				
Switching Mode (Day/Night Service)	[04]	<p>[SELECT] [STORE] [END]</p> <p style="margin-left: 20px;">-----MAN/AUTO</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> </thead> <tbody> <tr> <td>Manual</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Automatic</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change			Manual	x				Automatic																																							
	Default	To make program change																																																		
Manual	x																																																			
Automatic																																																				
Starting Time (Day/Night Service)	[05]	<p>[A] [♦] [B] [♦] [SELECT] [STORE] [NEXT] [C] [♦] [D] [♦] [SELECT] [STORE] [END]</p> <p style="margin-left: 20px;"> ___minute ___AM:PM ___starting time for day service (hour) ___starting time for night service (hour) </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="4">To make program change</th> </tr> </thead> <tbody> <tr> <td>Day plan</td> <td>9:00 AM</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Night plan</td> <td>5:00 PM</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change				Day plan	9:00 AM					Night plan	5:00 PM																																				
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Day plan	9:00 AM																																																			
Night plan	5:00 PM																																																			
Flexible Day Outward Dialling Assignment	[06]	<p>[NEXT] [C...E] [STORE] [END]</p> <p style="margin-left: 20px;"> -----CO number -----until the desired extension number appears </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="8">To make program change</th> </tr> </thead> <tbody> <tr> <td>Extensions</td> <td>all extensions</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>CO 1</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 2</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 3</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change								Extensions	all extensions	21	22	23	24	25	26	27	28	CO 1	x									CO 2	x									CO 3	x								
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Flexible Night Outward Dialling Assignment	[07]	<p>[NEXT] [C...E] [STORE] [END]</p> <p style="margin-left: 20px;"> -----CO number -----until the desired extension number appears </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="8">To make program change</th> </tr> </thead> <tbody> <tr> <td>Extensions</td> <td>all extensions</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>CO 1</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 2</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 3</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change								Extensions	all extensions	21	22	23	24	25	26	27	28	CO 1	x									CO 2	x									CO 3	x								
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Flexible Day Ringing Assignment	[08]	<p>[NEXT] [C...E] [STORE] [END]</p> <p style="margin-left: 20px;"> -----CO number -----until the desired extension number appears </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th></th> <th>Default</th> <th colspan="8">To make program change</th> </tr> </thead> <tbody> <tr> <td>Extensions</td> <td>all extensions</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>CO 1</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 2</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 3</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change								Extensions	all extensions	21	22	23	24	25	26	27	28	CO 1	x									CO 2	x									CO 3	x								
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STEPS REQUIRED TO CHANGE PROGRAM

Flexible Night Ringing Assignment

[09]

[NEXT] [C...E] [STORE] [END]

-----CO number
-----until the desired extension number appears

	Default	To make program change							
Extensions	all extensions	21	22	23	24	25	26	27	28
CO 1	x								
CO 2	x								
CO 3	x								

Toll Restriction—Class Assignment

[10]

[NEXT] [SELECT] [STORE] [END]

-----Class 1/2/3/4
-----until the desired extension number appears

	Default	To make program change							
Extensions	all extensions	21	22	23	24	25	26	27	28
Class 1	x								
Class 2									
Class 3									
Class 4									

Toll Restriction—Denied Codes

[11]

[NEXT] [C] [STORE] [END]

-----area code with 4 digits
-----until the desired memory location number appears

Location number	00	01	02	03	04
Area code					
Location number	05	06	07	08	09
Area code					
Location number	10	11	12	13	14
Area code					
Location number	15	16	17	18	19
Area code					

Transfer Recall Time

[12]

[SELECT] [STORE] [END]

-----30 SEC/15 SEC

	Default	To make program change	
30 sec	x		
15 sec			

Automatic Answering (Automatic/Manual) Selection

[14]

[NEXT] [SELECT] [STORE] [END]

-----AUTO ANSWER/MAN ANSWER
-----until the desired extension number appears

	Default	To make program change							
Extensions	all extensions	21	22	23	24	25	26	27	28
Automatic	x								
Manual									

TO SET	PROGRAM ADDRESS	STEPS REQUIRED TO CHANGE PROGRAM																																																												
Duration Time Count Start Mode	[17]	<p>[SELECT] [STORE] [END] -----INSTANTLY/5S AFTER DIAL/10S AFTER DIAL</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> <tr> <th></th> <th></th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>Instantly</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5S after dial</td> <td>x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10S after dial</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change					1	2	3	Instantly					5S after dial	x				10S after dial																																							
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5S after dial	x																																																													
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Register Recall Signal	[18]	<p>[NEXT] [SELECT] [STORE] [END] -----EARTH/TIMED/MANUAL 1/MANUAL 2 -----until the desired CO number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> <tr> <th>CO(s)</th> <th>all CO's</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>EARTH</td> <td>x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TIMED</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MANUAL 1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MANUAL 2</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change			CO(s)	all CO's	1	2	3	EARTH	x				TIMED					MANUAL 1					MANUAL 2																																		
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MANUAL 1																																																														
MANUAL 2																																																														
Disconnect Time	[19]	<p>[NEXT] [SELECT] [STORE] [END] -----2.0 SEC/4.0 SEC -----until the desired CO number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> <tr> <th>CO(s)</th> <th>all CO's</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>2.0 sec</td> <td>x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.0 sec</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change			CO(s)	all CO's	1	2	3	2.0 sec	x				4.0 sec																																												
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Calling Party Control (CPC) Signal	[20]	<p>[NEXT] [SELECT] [STORE] [END] -----ENABLE/DISABLE -----until the desired CO number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="3">To make program change</th> </tr> <tr> <th>CO(s)</th> <th>all CO's</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>Enable</td> <td>x</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Disable</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change			CO(s)	all CO's	1	2	3	Enable	x				Disable																																												
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Disable																																																														
Intercom Alerting Mode	[21]	<p>[NEXT] [SELECT] [STORE] [END] -----TONE CALL/VOICE CALL -----until the desired extension number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="10">To make program change</th> </tr> <tr> <th>Extensions</th> <th>all extensions</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Tone call</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Voice call</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change										Extensions	all extensions	21	22	23	24	25	26	27	28			Tone call	x											Voice call																							
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Programmable Doorphone	[22]	<p>[NEXT] [SELECT] [STORE] [END] -----D-PHONE 1, 2/1/2 • • • (deny the ringing) -----until the desired extension number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="10">To make program change</th> </tr> <tr> <th>Extensions</th> <th>all extensions</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Doorphone 1</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Doorphone 2</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>deny the ringing</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change										Extensions	all extensions	21	22	23	24	25	26	27	28			Doorphone 1	x											Doorphone 2	x											deny the ringing											
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Dial Call Pickup Group Assignment	[23]	<p>[NEXT] [SELECT] [STORE] [END] -----PICKUP-G:1/2/1, 2/• • • (out of the group) -----until the desired extension number appears</p> <table border="1"> <thead> <tr> <th></th> <th>Default</th> <th colspan="10">To make program change</th> </tr> <tr> <th>Extensions</th> <th>all extensions</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Pickup Group 1</td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pickup Group 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>out of the group</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change										Extensions	all extensions	21	22	23	24	25	26	27	28			Pickup Group 1	x											Pickup Group 2												out of the group											
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STEPS REQUIRED TO CHANGE PROGRAM

Hold Time Reminder	[25]	<p>[SELECT] [STORE] [END] --- 1 MIN:2 MIN...9 MIN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th colspan="9" style="text-align: center;">minutes</th> </tr> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> </tr> </thead> <tbody> <tr> <td>Default</td> <td></td> <td></td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>To make program change</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		minutes										1	2	3	4	5	6	7	8	9	Default			x							To make program change																			
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	1	2	3	4	5	6	7	8	9																																											
Default			x																																																	
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Hold Recall Time Set	[26]	<p>[SELECT] [STORE] [END] --- 30 SEC/1 MIN:1.5 MIN:2 MIN:DISABLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th>30 seconds</th> <th>1 minute</th> <th>1 minute 30 seconds</th> <th>2 minutes</th> <th>disable</th> </tr> </thead> <tbody> <tr> <td>Default</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>To make program change</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		30 seconds	1 minute	1 minute 30 seconds	2 minutes	disable	Default	x					To make program change																																					
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Programmable External Paging Access Tone	[27]	<p>[SELECT] [STORE] [END] ---ENABLE:DISABLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th>Default</th> <th>To make program change</th> </tr> </thead> <tbody> <tr> <td>Enable</td> <td style="text-align: center;">x</td> <td></td> </tr> <tr> <td>Disable</td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change	Enable	x		Disable																																											
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DTMF Receiver Check	[28]	<p>[NEXT] [SELECT] [STORE] [END] ---ENABLE:DISABLE ---until the desired DTMF receiver appears</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th>Default</th> <th colspan="2">To make program change</th> </tr> </thead> <tbody> <tr> <td>DTMF receiver</td> <td style="text-align: center;">1, 2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Enable</td> <td style="text-align: center;">x</td> <td></td> <td></td> </tr> <tr> <td>Disable</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change		DTMF receiver	1, 2	1	2	Enable	x			Disable																																					
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Programmable Secret Auto Dial	[29]	<p>[SELECT] [STORE] [END] --- NO SECRET:SECRET</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th>Default</th> <th>To make program change</th> </tr> </thead> <tbody> <tr> <td>No secret</td> <td style="text-align: center;">x</td> <td></td> </tr> <tr> <td>Secret</td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change	No secret	x		Secret																																											
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Automatic Designated CO Line Access	[31]	<p>[NEXT] [C...E] [STORE] [END] --- CO number ---until the desired extension number appears</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th>Default</th> <th colspan="8">To make program change</th> </tr> <tr> <th>Extensions</th> <th>all extensions</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> </tr> </thead> <tbody> <tr> <td>CO 1</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 2</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CO 3</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change								Extensions	all extensions	21	22	23	24	25	26	27	28	CO 1	x									CO 2	x									CO 3	x								
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Door Opener Assignment	[34]	<p>[NEXT] [SELECT] [STORE] [END] ---D-OPENER 1, 2/1:2:••• (not assigned) ---until the desired extension number appears</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th>Default</th> <th colspan="8">To make program change</th> </tr> </thead> <tbody> <tr> <td>Extensions</td> <td>all extensions</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>not assigned</td> <td style="text-align: center;">x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Door opener 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Door opener 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Default	To make program change								Extensions	all extensions	21	22	23	24	25	26	27	28	not assigned	x									Door opener 1										Door opener 2									
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TO MAKE CALLS

- Inter office calling: **[Extension no.]**
- Outward dialling
 - Automatic line access: **[Phone no.]**
 - Individual line access: **[CO no.]**, **[phone no.]**
- Speed dialling: **[Speed access no.]**
(An LD phone is not available.)
- Calling doorphone
For doorphone 1: **[1]**
For doorphone 2: **[2]**

WHEN A LINE IS BUSY

- Last number redial: **[*]** or **[*]**

TO RECEIVE CALLS

- Dial call pickup: **[*]**
- Directed call pickup: **[*]**, **[extension no.]**

WHILE HAVING A CONVERSATION

- Call on hold: **[Register Recall Button]**
- Call splitting: **[Register Recall Button]**
- Conference: **[Consult with 2nd party while 1st party on hold]**, **[Register Recall Button]**, **[3]**
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Detach this position.

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- Call transfer: **[Register Recall Button]**, **[extension no.]**

USE OF OTHER FEATURES

- Paging all extensions: 222
 - Paging group: 222
 - Paging-external: 222
 - Paging answer: 222
 - External feature access: Register Recall Button, 0
 - Intercom alerting mode: Short Beep *
- (An LD phone is not available.)

STATION PROGRAMMING

You may dial "0" instead of pressing the "#" button.

- Call forwarding
 - Setting: 222 extension no. *
 - To cancel: 222
- Dial call pickup deny
 - Setting: 222
 - To cancel: 222
- Do not disturb
 - Setting: 222
 - To cancel: 222
- Data line security
 - Setting: 222
 - To cancel: 222
- Station programming clear: 222



USE OF OTHER FEATURES

- Paging all extensions: 222
 - Paging group: 222
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 - Paging answer: 222
 - External feature access: Register Recall Button, 0
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- Data line security
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 - To cancel: 222
- Station programming clear: 222





TO MAKE CALLS

- Inter office calling: extension no.
- Outward dialling
 - Automatic line access: ☎ phone no.
 - Individual line access: ☎ CO no. phone no.
- Speed dialling: ☎ speed access no.
(An LD phone is not available.)
- Calling doorphone
For doorphone 1: ☎ ☎
For doorphone 2: ☎ ☎

WHEN A LINE IS BUSY

- Last number redial: ☎ or ☎ ☎

TO RECEIVE CALLS

- Dial call pickup: ☎ ☎
- Directed call pickup: ☎ extension no.

WHILE HAVING A CONVERSATION

- Call on hold: ☎ Register Recall Button
- Call splitting: ☎ Register Recall Button
- Conference: ☎ Consult with 2nd party while 1st party on hold
☎ Register Recall Button ☎
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TO MAKE CALLS

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☎ Register Recall Button ☎
- Call transfer: ☎ Register Recall Button extension no.



USE OF OTHER FEATURES

- Paging all extensions: 222
 - Paging group: 22
 - Paging-external: 22
 - Paging answer: 22
 - External feature access: Register/Recall Button 0
 - Intercom alerting mode: Hear + beep *
- (An LD phone is not available.)

STATION PROGRAMMING

You may dial "0" instead of pressing the "#" button.

- Call forwarding
 - Setting: 22 extension no. *
 - To cancel: 20
- Dial call pickup deny
 - Setting: 2222
 - To cancel: 2222
- Do not disturb
 - Setting: 2222
 - To cancel: 22
- Data line security
 - Setting: 2222
 - To cancel: 2222
- Station programming clear: 2222

USE OF OTHER FEATURES

- Paging all extensions: 222
 - Paging group: 22
 - Paging-external: 22
 - Paging answer: 22
 - External feature access: Register/Recall Button 0
 - Intercom alerting mode: Hear + beep *
- (An LD phone is not available.)

STATION PROGRAMMING

You may dial "0" instead of pressing the "#" button.

- Call forwarding
 - Setting: 22 extension no. *
 - To cancel: 20
- Dial call pickup deny
 - Setting: 2222
 - To cancel: 2222
- Do not disturb
 - Setting: 2222
 - To cancel: 22
- Data line security
 - Setting: 2222
 - To cancel: 2222
- Station programming clear: 2222

USE OF OTHER FEATURES

- Paging all extensions: 222
 - Paging group: 22
 - Paging-external: 22
 - Paging answer: 22
 - External feature access: Register/Recall Button 0
 - Intercom alerting mode: Hear + beep *
- (An LD phone is not available.)

STATION PROGRAMMING

You may dial "0" instead of pressing the "#" button.

- Call forwarding
 - Setting: 22 extension no. *
 - To cancel: 20
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Detach this position.

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