



NESS 5000 SERIES DIALLER

INSTALLATION MANUAL

This manual is designed to provide the installation instructions on the NESS SECURITY PRODUCT'S 5000 SERIES Dialler. For complete details on the warranty or the 5000 SERIES products, please refer to our conditions of sale.

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DESIGN CONCEPTS

The 5000 SERIES Dialler is totally unique in that 2 separate diallers share the one Circuit board and telephone line. It is not simply one dialler with two Client Account Numbers, but 2 separate, individually programmable diallers sharing the same hardware.

With this unique design and the many other features built into the 5000 SERIES Dialler, NESS has been able to provide you with a product capable of meeting the diverse needs of virtually all installations. In addition, it provides a simple means of overcoming, at no extra cost, the 8 alarm channel limitation of most Central Station equipment. Some of the unique capabilities of this Dialler are explained below.

EXTRA TELEPHONE NUMBER: The Primary and Secondary telephone numbers are basically designed for reporting to the Main and Back-up receivers of a Central Station. An Extra telephone number, which may be programmed by the client, has been provided for added flexibility. By setting option 4 of P35E, the Extra number will be used in addition to the Primary/Secondary numbers. If both options 0 and 4 of P35E are set, then only the Extra telephone number is used for either or both Diallers as required.

POCKET PAGER: To indicate an alarm via a 'beeper' type pocket pager, the Dialler only has to call a number and wait for a special Acknowledge tone. It does not have to send any alarm reports. This facility is available via option 5 of P36E.

COMMAND TONE: An optional Tone Generator may be purchased to remotely control certain aspects of the Dialler (if so programmed). To use the facility, call the Dialler and when it answers, put the Tone Generator near the mouthpiece and press its button. The Dialler will respond with a series of beeps depending on the options selected.

DIALLERS: The enormous flexibility of the Dialler can be seen from a few of the possible combinations described below.

1. Call the Primary number and, if no Acknowledge tone, call the Secondary number (ie. the Back-up receiver).
2. Call the Primary number and then repeat all alarms to the Secondary number.
3. As in (1) or (2) and then repeat the alarms to the Extra number as well. If no Acknowledge tone is received, this will be in Audible format if so programmed, or it could be a pocket pager.
4. Split the 22 possible alarm reports between the 2 Diallers so that more than 8 can be reported by the use of 2 client account numbers.
5. Send all alarm reports to both Diallers but only enable the Extra number on Dialler #2.
6. Use Dialler #1 to send 8 alarm reports plus 15 Client I.D.'s (one client account number) and then use Dialler #2 to send another 8 alarm reports via a second account number.

INSTALLATION

The 5000 SERIES Dialler board is designed to plug into the 8 Zone Control Panel. It cannot be used in conjunction with the 4 Zone Control Panel.

To install the Dialler, remove the Control Panel board from the housing, clip the Dialler into the third or fourth slot, connect the 13-way ribbon cable between the dialler and the control panel. Then re-install the Control Panel board. If a Zone Expander is being installed also, the Dialler must be fitted to the third slot.

TESTING

To test the Dialler after installation, exit from Program mode, Arm the Control Panel, create one or more alarms and then check what data was received by the Monitoring Station. The LINE/EXPAND indicator will turn on when the Dialler seizes the line. At the end of the call, it will turn off if the call was successful, or flash rapidly if the Kiss-off tone was not received.

A line fault will always result in the LINE/EXPAND indicator flashing slowly until the fault is corrected.

INPUTS

The telephone line plugs into the socket in the top left-hand corner of the Dialler board.

NOTE: The 5000 SERIES Dialler uses a Mode 5 connection and not Mode 3. However, the Mode 5 connection will work into any existing Mode 3 socket.

OUTPUTS

Four plug-in screw terminals on the right-hand side of the Dialler provide the following outputs

COMMON (-ve)
LISTEN output
AUXILIARY Output (of Dialler)
12 volt Output

Connect any speaker between the LISTEN and COMMON terminals to listen in to the telephone line when the Dialler is making a call. This simple procedure can be of tremendous assistance during fault finding.

The Dialler's own AUXILIARY Output is an open-collector Output capable of sinking 300mA.

Via the 13-way ribbon cable, the Dialler drives the LINE/EXPAND indicator on the Control Panel. This Dialler output is available for connection to remote equipment at the LINE LED INPUT/OUTPUT terminal on the Control Panel (centre of right-hand side).

The 13 Molex pins on the right-hand side of the Dialler are only provided for test purposes during production.

EARTH

For maximum protection against lightning, it is strongly recommended that the earth lug of the Dialler should be used by connecting it to the Earth lug of the Control Panel.

In lightning prone areas, Telecom will provide, on request and free of charge, lightning arrestors for additional protection of the telephone line.

PROGRAMMING

Programming the Dialler is virtually identical to programming the Control Panel - simply plug the Dialler in and use the Installation options on the following pages. However, for security reasons, the Dialler contains an optional Installer Access Code to protect the Central Station information. If this code has not been programmed, then all of the options are available to any installer for review and change.

If the Installer Access Code has been programmed, then only the P30E and P98E options are available for use without the code. To use any of the remaining options, you must first enter the code ie. in Installer Program mode, press:

P Code E

If the code is valid, the Dialler will respond with 3 beeps and the LINE/EXPAND indicator will turn on. This indicator will remain on until the use of a programming option which does not belong to the Dialler.

Each time you enter the Installer Program mode, you must use the Installer Access Code as above.

During programming, numeric values are displayed via the 8 ZONE indicators, the 9 (BATTERY) and the 0 (MAINS) indicators. For your convenience, single digit values remain displayed while multi-digit values are flashed Out.

During the programming of the telephone numbers, it is occasionally necessary to enter a special PAUSE digit. To do so, press and hold the E button for at least 1 second. For example to programme a telephone number commencing with 0 'PAUSE' 4, press 0, long E, 4 etc.

During the telephone number display, the PAUSE digit is represented by the TAMPER/SATELLITE indicator.

NOTE: each PAUSE = 2.5 seconds

The programming data for the Dialler is stored in a special memory on Exit from the Installation Programming mode. Thus if data is changed and the power is turned off before Exit from this mode, then the new data will be lost.

A number of the Installation Programming options are duplicated for the second Dialler and are accessed by adding 100 to the corresponding Dialler #1 option, eg.

P34E = Dialler #1 client account number.

PI34E = Dialler #2 client account number.

The options belonging to Dialler #2 are identified in the option's title which is also underlined.

SOFTWARE DATE, INSTALLER PROGRAM ACCESS CODE.**P30E Code E Code E**

Pressing P30E will display the release date (month and year only) of the Software version currently installed in the Dialler.

To program your secret Installer Access Code, enter it twice as shown above (ie. after the display of the date). The only constraint for this code is that it must always be 4 digits in length. For security reasons, it is not displayed at any time.

See page 4 regarding the use of this Installer Access Code. There is no default value for this code; ie. it is blank.

SET ALL OPTIONS to DEFAULT VALUES.**P98E**

Press P98E at any time in Installer Program mode to clear the Installer Access Code, the telephone numbers and the Client Account Number, as well as set all the other programming options to their default values.

Note : If you need to reprogram the Dialler and do not know the Installer Access Code, you must use P98E to clear everything as above before you can gain access to the programme options.

PRIMARY TELEPHONE NUMBER.**P31E Telephone no. E**

The Primary Telephone number may be up to 18 digits in length. If it is necessary to dial out through a PABX, you may need a PAUSE within the telephone number to slow down the dialling. To create a PAUSE, see page 4. The default telephone number is a single digit 0.

SECONDARY TELEPHONE NUMBER.**P32E Telephone no. E**

The Secondary Telephone number may be up to 18 digits in length and defaults to 0.

EXTRA TELEPHONE NUMBER.**P33E Telephone no. E**

The Extra Telephone number may be up to 18 digits in length and defaults to 0.

DIALLER #1 and #2 CLIENT ACCOUNT NUMBERS.**P34E number E**

Enter the 4 digit Client Account Number as above. There are no other restrictions on what this number can be. The default is 0.

DIALLER #1 and #2 REPORTING.**P35E option E**

- 0 = Do not use the Primary and Secondary telephone numbers at all (ie. only the Extra number can be used).
- 1 = Alternate calls between Primary and Secondary telephone numbers if no Acknowledge tone is received. Note: if no Acknowledge tone is received for either number, then no transmission will be made.
- 2 = Use Primary number for half of the calls and then if no Acknowledge tone is received, use the Secondary number for the remainder of the calls.
- 3 = Transmit to the Primary number and when complete, REPEAT all the data to the Secondary number. Note: this will only occur a successful if transmission was made to the Primary telephone number within 5 calls.

Only one of the above options is allowed and the default is 1.

- 4 = Allow the Extra telephone number to be used
- 5 = Disable the Test (Status) Reports when the Dialler Auto-Answers (see P44E).

Options 4 and 5 may be chosen in addition to the other options.

DIALLER #1 and #2 TRANSMISSION FORMAT.**P36E option E**

- 1 = If no acknowledge tone is received, transmit in the NESS Audible format.
- 2 = If transmitting in Low Speed format, old alarms which are still active are to be included in the transmission.
- 3 = If a high speed acknowledge tone is received, transmit using the Ademco Extended format.
- 4 = Invert 8/9 for Open/Close in Low speed format.
- 5 = If an acknowledge tone is received from a 'beeper' type pocket pager system do not transmit any alarm reports.

None, one or all of the above options may be chosen and the default is none. The Dialler always transmits in the format identified by the Acknowledge tone but this may be modified by the above.

TYPE of DIALLING.**P37E option E**

- 1 = Use Decadic or Touch-Tone dialling depending on the type of dial-tone received. (First call only).
- 2 = Use Decadic dialling only.
- 3 = Use Touch-Tone dialling only.
- 4 = Use Touch-Tone dialling only and dial using Telecom Australia's EASY DIAL facility.

Only one of the above options is allowed and the default is 1.

- 5 = Dial as above even if a Dial tone is not received.
- 6 = Use New Zealand style Decadic pulses.
Options 5 and 6 may be chosen in addition to the other options.
- 7 = Only transmit in Ademco Extended Format

TIME to WAIT for ACKNOWLEDGE TONE BEFORE REDIAL.**P38E time E**

This option defaults to 15 seconds and should rarely need to be changed. It may be set from 10 to 25 seconds.

MAXIMUM NUMBER of DIAL-OUT ATTEMPTS.**P39E number E**

This option defaults to 6 dial attempts (the maximum allowed by Telecom Australia) and should rarely need to be changed. It may be set from 1 to 6 attempts.

OUTPUT CONTROL and INDICATION OPTIONS.**P40E option E**

- 1 = Trigger the siren/strobe for the Reset time on a Line Fault.
- 2 = Trigger the siren/strobe for the Reset time on no Kiss-off.
Note: triggering is via the Keyswitch/Panic input of the Panel.
- 3 = When the Kiss-off tone is received. beep the siren 3 times.
- 4 = When the Kiss-off is received. turn the strobe on for 3 seconds.
- 5 = Turn the LINE/EXPAND indicator on during a call (page 2).
- 6 = Allow the client to program the Medical Alarm (P53E).
- 7 = Allow the client to program the Extra number (P33E).
- 8 = Trigger the siren/strobe for the reset time on a line fault only when armed.
(Must be used with function 1. ie. With 1 and 8 lights on, line fault will cause an alarm only when armed.)

None, one or all of the above options may be chosen and the default is option 5.

AUXILIARY OUTPUT DRIVE.**P41E option E**

- 0 = No Auxiliary drive
- 1 = Turn Output ON when a Line Fault is detected.
- 2 = Turn output ON when a Kiss-off tone is not received.
- 3 = Turn output ON when a Kiss-off tone is received.
- 4 = Turn output ON when a Command tone is received. If this option and Arm via Command Tone (P44E) are both selected, then receipt of the tone will operate both the Auxiliary output and Arm the panel simultaneously.
- 5 = Turn output ON when the panel is Disarmed.

Only one of the above drive options is allowed and the default is 0.

- 6 = Output follows the drive condition.
- 7 = Output toggles on each occurrence of the drive condition.
- 8 = Output will Pulse on each occurrence of the drive condition.

Only one of the options 6, 7 and 8 is allowed in addition to one of the other options.

TIME DELAY BEFORE PULSING the AUXILIARY OUTPUT ON.**P 42 E time E**

The Auxiliary output may be delayed by this preset time if the option 8 (Pulse) is chosen in P41E above. The default time is 0 seconds but it may be set from 0 seconds to 120 minutes as follows

0 to 100 = 0 to 100 seconds.

101 to 220 = 1 to 120 minutes.

TIME PERIOD of the AUXILIARY OUTPUT PULSE.**P 43 E time E**

The Auxiliary output will stay on for this preset time if option 8(Pulse) is chosen in P41E above. The default time is 1 second but it may be set from 0 seconds to 120 minutes in the same manner as P42E.

RING-DETECT and TEST CALL OPTIONS.**P 44 E option E**

- 1 = Enable Auto-Test calls when Armed
- 2 = Enable Auto-Test calls when Disarmed
- 3 = Enable Call-Back calls when Armed.
- 4 = Enable Call-Back calls when Disarmed.
- 5 = Enable Auto-Answer capability when Armed.
- 6 = Enable Auto-Answer capability when Disarmed.
- 7 = Enable the panel to be Armed on receipt of the Command tone. If already Armed, the tone will be ignored unless it has been programmed to drive the Auxiliary output as well. (See P41E option 4).

None, one or all of the above options may be chosen and the default is none.
Select both options 1 and 2 to enable Auto-Test calls always.

TIME BETWEEN AUTOMATIC TEST CALLS.**P 45 E time E**

Automatic Test Calls are identified as such at the Central Station and are used to check the integrity of the Dialler and the telephone line. To use the facility the Test alarm (P62E) must be enabled by assigning it a channel number.

Then set the time between Test Calls using this option.

This time defaults to 168 hours but may be set from half-hourly to 250 hours.

A conversion table of hours to days is shown below.

0 = half-hourly	24 = 1 day	120 = 5 days
1 = 1 hour	48 = 2 days	144 = 6 days
2 = 2 hours	72 = 3 days	168 = 7 days
9 = 9 hours	96 = 4 days	240 = 10 days

TIME REMAINING BEFORE FIRST TEST CALL.**P 46 E time E**

After installation, set this time to position the first Automatic Test Call at the required time.

This option defaults to 0 hours but may be set from 1 to 250 hours.

The time commences on Exit from installation Programme mode.

DOUBLE RINGS NEEDED FOR CALL-BACK.**P 47 E number E**

This option defines the number of double rings needed to make the Dialler Call-Back, ie. to make it send a Test Call immediately and hence before the time defined in P45E.

The number may be set from 1 to 13 and the default is 3 double rings.

DOUBLE RINGS NEEDED FOR AUTO-ANSWER.**P 48 E number E**

This option defines the number of double rings needed to make the Dialler Auto-Answer, ie. to answer an incoming call. The number may be set from 1 to 15.
The default is 3 double rings

ABORT TIME DELAY for DELAYED DIALLING**P 52 E time E**

This Option defaults to 10 seconds but may be set from 1 second to 120 minutes in the same manner as P42E. To make use of the delay on an alarm, the ABORT feature must be selected for that alarm.

MEDICAL ALARM TIME DELAY.**P 53 E time E**

This option defaults to 0 seconds which means that Medical Alarms from the panel (1 E) are sent immediately if enabled in the Dialler(P65E).

When the time is other than 0, then alarms are only sent by the Dialler if the Medical Alarms are NOT received within that time. For example, if the time is 24 hours then an alarm will be sent if the client does not press 1 E on the panel every 24 hours. The time may be set from 1 to 250 which represents 0.1 to 250 hours. In this situation, an immediate alarm can still be sent by pressing 1 E twice within a 6 minute period.

DIALLER #1 and #2 ALARM REPORTING.**P xx E channel E value E**

The 8 Zone Control Panel produces the following 22 alarms which must be assigned to the 9 channels allowed in a transmission to a Central Monitoring Station.

The channel number can be from 0 to 9 and the current selection for an alarm is shown via the 8 ZONE indicators, the 9 (BATTERY) and the 0 (MAINS) indicators. Only one channel may be selected for an alarm at any one time.

One or more of the three special features explained below may be selected for each alarm and the current selection is shown via the indicators as follows:

<u>Function</u>	<u>Indicator</u>	<u>Option</u>
ABORT TIME	Arm/Monitor	11
RESTORE	Alarm/Memory	12
MULTIPLE REPORTS	Zone Excluded	13

Thus to set Zone 1 alarm to channel 6 and select all of the three special features, press the buttons:

P71E 6E 11E 12E 13E

Ie. P 71 E channel E abort E restore E multiple E

The following three features may be used to modify, for each alarm, the basic transmission procedure to a Central Station.

ABORT TIME: Delay dialling until after this time. If the Control Panel, or the input is reset during the Abort Time, the alarm is cancelled and no dialling takes place.

RESTORE: When a alarm becomes sealed, a restoral transmission is sent to the Central Station.

MULTIPLE REPORTS: Each time an alarm occurs, a transmission will be sent to the Central Station.

The three special features are COMMON to both Diallers but may be changed while in the programme option for either one.

For example, P71E12E sets the Restore option for zone 1 on both Diallers, while P171E12E would then reset the option for both Diallers.

The 22 alarms and their corresponding programming options are as follows:

P57E	= Arm/Disarm (Open/Close)	P66E	= Keypad Fire alarm
P58E	= Control Panel fail	P67E	= Keypad Panic alarm
P59E	= Battery Fail	P68E	= Keyswitch Panic alarm
P60E	= Satellite Battery fail	P69E	= Duress alarm
P61E	= Mains fail	P70E	= Zone Excluded (isolated)
P62E	= Test		
P63E	= Tamper alarm	P71E	= Zone 1 alarm
P64E	= Keypad Code alarm	to	to
P65E	= Keypad Medical alarm	P78E	= Zone 11 alarm

If you wish to disable one of the 22 alarms so that it will never be reported, then enter a channel number of 98, which will blank all the channel indicators ie. 1 to 0.

For example, to disable Zone 1 so that it never reports, press the buttons:
P 71 E 9 8 E

If you wish to use the Satellite Battery alarm, you must enable it in P60E by setting its channel to any value (0 to 9). Once enabled, it is automatically combined with the main Battery Fail alarm (P59E) and sent with the channel number assigned to P59E.

To ensure correct alarm transmission in the various formats, certain alarms **MUST BE SET** to specific channels as defined in the following table. An * indicates that any channel number may be used.

	Low Speed	High Speed	Extended H/S
P57E = Arm/Disarm	8	8	9
PS9E = Battery Fail	*	0	9
P6iE = Mains Fail	*	*	9
P62E = Test	*	9	9
P70E = Zone Excluded	*	*	9

Extended high Speed format allows 15 Client ID.'s to be sent via one Client Account Number. The Dialler uses this feature and hence if Extended format is selected, the 15 ID.'S are transmitted automatically Via Dialler #1. If Low Speed or High Speed formats are being used, then it is not possible to transmit any Client I.D's at this stage.

**INSTALLATION PROGRAMMING OPTIONS
SUMMARY**

Default value

none		P30E code E code E	= Installer Access Code
-		P98E	= Set all options to default
o		P31E telephone no.E	= Primary telephone no.
o		P32E telephone no.E	= Secondary telephone no.
o		P33E telephone no.E	= Extra telephone no.
o	#	P34E number E	= Dialler #1 Client Account no.
Alternate	#	P35E option E	= Dialler #1 Reporting options
automatic	#	P36E option E	= Dialler #1 Transmission format
automatic		P37E option E	= Type of dialling
15 seconds		P38E time E	= Time to wait for Acknowledge tone
6		P39E number E	= Number of dial out attempts
option 5		P40E number E	= Output control and indication options.
none		P41E option E	= Auxiliary output drive
o seconds		P42E time E	= Time before Auxiliary output pulse
1 second		P43E time E	= Time period of Auxiliary output pulse
none		P44E option E	= Ring-Detect and Test-Call options
168 hours		P45E time E	= Time between automatic Test-Calls
o hours		P46E time E	= Time before first Test-Call
3		P47E number E	= Double rings for Call-Back
S		P48E number E	= Double rings for Auto-Answer
10 seconds		P52E time E	= Abort Time Delay
o seconds		P53E time E	= Time delay for Medical alarm
none	#	P57E channel E value E	= Arm I Disarm (Open/Close)
none	#	P55E channel E value E	= Control Panel fail
none	#	P59E channel E value E	= Battery fail
none	#	P60E channel E value E	= Satellite Battery fail
none	#	P61E channel E value E	= Mains fail
none	#	P62E channel E value E	= Test
none	#	P63E channel E value E	= Tamper alarm
none	#	P64E channel E value E	= Keypad Code alarm
none	#	P65E channel E value E	= Keypad Medical alarm
none	#	P66E channel E value E	= Keypad Fire alarm
none	#	P67E channel E value E	= Keypad Panic alarm
none	#	P68E channel E value E	= Keyswitch Panic alarm
none	#	P69E channel E value E	= Duress alarm
none	#	P70E channel E value E	= Zone Excluded (partial Seal)
none	#	P71E channel E value E	= Zone 1 alarm
		to	to
none	#	P78E channel E value E	= Zone 8 alarm

indicates those options applicable to Dialler #2. Add 100 to the above option number

INSTRUCTION MANUAL

DIALLER OPERATION

If you have a 5000 SERIES Dialler fitted to your 8 ZONE Control Panel, you are provided with many additional features as well as the capability to transmit alarms to a Central Monitoring station. This manual is designed to provide instructions on those Dialler features which may be under your control. It should be read in conjunction with the main 5000 SERIES Instruction Manual.

REGULAR CALLS

To ensure the integrity of your security, the Dialler will be installed to make regular calls to your Central Monitoring Station. For industrial and commercial premises, this will normally happen twice a day; when the Control Panel is Disarmed and again when Armed. Alternatively, regular TEST calls can be sent from once every half hour to once a week. The latter is often used for domestic premises. Your security installer will advise you on the appropriate timing of the TEST calls for your premises.

LINE/EXPAND INDICATOR

The LINE/EXPAND indicator is shared between the Dialler and the Zone Expander since each only uses it for a short time. Normally the indicator will be off. When the Dialler seizes the telephone line to make a call, the indicator will turn on. At the end of a successful call, the indicator will turn off. An unsuccessful call will leave the indicator flashing rapidly until the next call.

In certain high-security applications, the installer may inhibit the above operation of the LINE/EXPAND indicator (but not the fault indications described below).

Every few seconds, the Dialler checks the telephone line for the existence of any "faults" (eg. the cutting of the telephone cable). Whenever a fault is detected, the LINE/EXPAND indicator will flash slowly until the problem is corrected.

Should the LINE/EXPAND indicator flash very rapidly then either the Dialler or the Zone Expander is faulty and should be repaired as soon as possible.

OPTIONAL FEATURES

Your installer can provide one or more of the following simple features, if required, to help you maintain maximum security.

Operate the siren and strobe on detection of a telephone line fault.

Operate the siren and strobe after an unsuccessful series of calls to the Central Monitoring Station.

Indicate a successful call to a Central Monitoring Station by beeping the siren 3 times (used when Arming).

Indicate a successful call to a Central Monitoring Station by operating the strobe for 3 seconds (used when Arming).

Operate the Dialler's AUXILIARY output on detection of a line fault, after a successful call or after an unsuccessful call.

REMOTE CONTROL/STATUS REPORT

An optional REMOTE CONTROL device may be purchased to either Arm the Control Panel via the Dialler or to operate the Dialler's AUXILIARY output from a remote location. These features can only be enabled by your installer.

To use the unique Remote Control features, ring your Dialler and wait for it to answer as follows:

1 long beep = Control Panel DISARMED	Auxiliary output OFF.
7 short beeps = Control Panel ARMED	Auxiliary output ON.

You then have 5 seconds to place the Remote Control device near the mouthpiece of the telephone and press the button to send a special tone to the Dialler. Once this tone is received, the Dialler will respond again with the above beeps to indicate the new status of the Control Panel or the Auxiliary output.

If you do not hang up within the next 5 seconds, the Dialler will provide a simple Status report of the zone(s) in alarm. This report consists of a 3 digit Dialler Identification plus 1 digit to indicate the zone in alarm. Thus if the Dialler Identification is 642 and zone 3 had alarmed, then the report will be 6423, ie.

6 beeps, pause, 4 beeps, pause, 2 beeps, pause, 3 beeps.

A second zone in alarm results in the Dialler ID being repeated, ie. the report would be 6423 followed by 6428 if both zones 3 and 8 had alarmed.

MEDICAL, FIRE, PANIC

Pressing the buttons 3 E will send a Panic (normally personal attack) alarm. If required, this can be made to be silent for hold-up applications. Pressing the buttons 2 E can send a Separate alarm to indicate Fire.

An optional RADIO PANIC BUTTON is available.

Pressing the buttons 1 E can send a separate alarm to indicate a Medical panic. Alternatively, it can be arranged to automatically send a Medical alarm if the buttons are not pressed within a preset time. For example, if the time is 24 hours then an alarm will be sent if you do not press 1 E on the panel every 24 hours. In this case, pressing 1 E twice within a 6 minute period will send an alarm immediately.

Programming the Dialler is virtually identical to programming the Control Panel with one exception. During the programming of the telephone numbers, it is occasionally necessary to enter a special PAUSE digit.

To do so, press and hold the E button for at least 1 second. For example, to programme a telephone number commencing with 0, 'PAUSE', 4, press 0, long E, 4 etc. During the telephone number display, the PAUSE digit is represented by the TAMPER/SATELLITE indicator. NOTE: each PAUSE = 2.5 seconds.

EXTRA CODES

The Dialler provides 11 extra codes which can be used in exactly the same manner as the first four of the Control Panel. To programme say, Code 5 to be 446, first enter the PROGRAM mode and then press the buttons;

P 0 5 E 4 4 6 E 4 E 6 E

Similarly, to programme Code 15, press the buttons;

P 0 1 5 E code E code E

Note the leading 0 for the option number of these codes.

EXTRA TELEPHONE NUMBER

An extra telephone number has been provided for your use if so required. Using this number, it is possible to have the Dialler ring the Central Monitoring Station and then to ring you at home. It can even give you an audible status report to tell you whether the Control Panel is Armed or Disarmed and what zones have alarmed. Alternatively the number can be used to call a 'beeper' type pocket pager to tell you that an alarm has occurred.

Your installer will advise you of exactly how the Dialler can be used to meet your needs. If necessary, the installer can allow you to change this extra telephone number, which can be up to 18 digits in length, including any PAUSE digits mentioned above. To program the number to be 12345678, first enter Program mode and then press the buttons:

P 33 E 1 2 3 4 5 6 7 8 E

MEDICAL ALARM TIME DELAY

This option defaults to 0 seconds which means that Medical Alarms from the panel (1E) are sent immediately. When the time is other than 0, then alarms are only sent by the Dialler if the Medical Alarms are NOT received within that time which may be Set from 1 to 250 which represents 0.1 to 25.0 hours. Thus to programme the time to be 24 hours, first enter Program mode and then press the buttons:

P 20 E 240 E

NOTE: Do not forget to change the time to 0 when you go on holidays.

AUTHORISATION
TELECOM AUSTRALIA - INSTRUCTIONS TO CUSTOMER

Apparatus - Type: 5000D (5000 Series Dialler/Communicator)

Authorisation No. C87/3/94