ET8 V4 INSTALLER MANUAL
Revision 1, November 2001

Document Part Number: 890–265

For product:
100–191 ET8 LED Control Panel (V4)
100–688 ET8 LCD Control Panel (V4)

© 2001 E-Tech Security Products Pty Ltd ACN 000 110 110
ET8 V4 installer

Specifications may change without notice.
# CONTENTS

## Introduction ................................................. 4
## Features .................................................... 4
## Specifications ............................................. 4
## Packing list ............................................... 5
## Installation procedures ................................. 5
## CONNECTION DIAGRAM ................................. 6
## Wiring examples ........................................... 7
## Keypad ....................................................... 10

## OPERATION SUMMARY ................................. 11

## HOW TO PROGRAM ........................................ 12
## Quick start Programming ............................... 12
## How to enter Program Mode ......................... 13
## Program mode levels ................................... 13

## PROGRAMMING OPTIONS ............................ 14

### USER CODES ........................................... 14
### Timers ..................................................... 15
### Vibration Sensitivity .................................. 16
### Zone Assignment ....................................... 17–19

## AREA PARTITIONING .................................. 20–21
## Zone To Output Mapping ............................... 22–23
## Various Options ......................................... 24–25
## Tamper/Keypad Panic Output Mapping ............... 26
## System Operation Shortcuts .......................... 27

## MONITOR MODE OUTPUT MAPPING .................. 28
## Day mode output mapping ............................. 28
## Miscellaneous Options ............................... 29

## SUPERVISED RADIO ZONES ......................... 31
## Supervision time ........................................ 31
## Radio Supervision Alerts ............................. 32–33
## Misc. options 1 ......................................... 34–35
## Misc. options 2 ......................................... 36–37

## DIALLER OPTIONS ..................................... 38
## Telephone Numbers 1 & 2 .............................. 38
## Account Number 1 & 2 .................................. 38
## Telephone Number 3 – Test Calls ................... 39
## Telephone Number 4 – Callback .................... 39
## Follow me Telephone Number ....................... 39
## Report zone alarms ..................................... 40
## Report zone restorals ................................... 40
## Report multiple zone alarms ......................... 40
## Account No.2 zones ..................................... 40
## Report Miscellaneous alarms ......................... 41
## Report Miscellaneous Restorals ...................... 41
## Restoral Reporting options ........................... 41
## Test Call Interval ....................................... 42
## Time before Next test call ............................ 42
## Dialling Method ......................................... 42
## Disable Dialler .......................................... 43
## Contact ID format ....................................... 43

## Audible DTMF format .................................... 43
## Audible Pulse format .................................... 43
## Contact ID Reporting Codes ......................... 44
## Alternate Dialling ....................................... 45
## Check for dial tone ..................................... 45
## Number of Dialling Attempts ......................... 45
## Area1 open/close reports ............................. 46
## Area2 open/close reports ............................. 46
## Siren Chirp on kiss-off ................................ 46
## Strobe Flash on kiss-off .............................. 46
## Forced Opening Report ............................... 47
## Delay Closing Report .................................. 47
## Manual Exclude Report ............................... 47
## Auto Exclude Report ................................... 47

## Enable Test Calls ....................................... 48
## Mains Report Delay ..................................... 48
## Listen-in to dialler ...................................... 48
## Swinger Shutdown ....................................... 49
## Line Fault Monitor ...................................... 49
## Line Fault to AUX2 ...................................... 49
## Remote access .......................................... 50
## Direct Connect .......................................... 50
## Remote access options ............................... 50–51
## Required Rings .......................................... 52

## FACTORY DEFAULTS .................................. 53
## Clear Radio Devices ..................................... 53
## Clear Memory ............................................. 53
## Clear Panel Options ..................................... 53
## Clear User Codes ........................................ 53

## RADIO OPTIONS ........................................ 54
## Radio Quick Start ....................................... 54
## E-Tech Radio Interface ................................. 54
## Signal strength meter ................................... 54
## Radio Devices, Operation ............................. 55
## Radio Supervision, Defined ........................... 55

## Radio Device Programming ......................... 56
## Radio Key Programming ............................... 57

## REMOTE OPERATION .................................. 58
## Audible Monitoring Operation ....................... 58
## Remote Operation by Telephone ..................... 59

## E-Tech Accessories ..................................... 60
## Wireless Products ....................................... 61

## PROGRAMMING OPTIONS SUMMARY ............ 62
## Installation Record ...................................... 63
INTRODUCTION

The E-TECH ET8 is a wholly Australian Designed and Manufactured product from E-Tech Security Products, Australia's largest manufacturer of quality electronic security products. E-Tech Security Products Pty Ltd is a Quality Accredited Company to ISO 9001.

This version of the ET8 introduces a number of new features including Radio PIR Supervision, E-Tech LCD Keypad and numerous other innovations.

ET8 Version 4 ENHANCEMENTS OVER Versions 3.x

RADIO
- Radio supervision. Radio supervision can be used with E-TECH radio detectors that transmit periodic supervision signals.
- Options added to either Toggle or Pulse Aux1 with the Radio Panic key.
- Option to have quieter siren chirps when arming/disarming with key switch or radio keys.

ARMING
- Arm only codes. Keypad codes can now be made to ARM ONLY - this does not apply to Radio key codes.
- Option for siren warning burst when arming with radio key and a zone is unsealed.
- Warning beeps timing extended by changing to Entry Delay 2 timer.
- Monitor mode outputs are now selectable for both the 2 second monitor mode and full monitor mode.
- The outputs for Area 1 and Area 2 can now be made to pulse on for 2 seconds. This makes them useful as Smoke Detector Reset outputs by adding an external relay.

DIALLER
- Aux 2 output option for telephone line fail.
- Dialler sends a CANCEL report if there has been an alarm in full monitor mode.
- Dialler Listen-In has been added via the Siren output.
- The Miscellaneous Alarm reporting options have been increased to include reports such as Mains Fail, Battery Fail, radio tamper reports and others now selectable)
- Audible Format is now more flexible in alarm reports. Mains and Battery fail reports can now be sent when using the Audible format if required.
- Closing reports can be delayed until end of exit time.
- Manual and Auto Exclude reports can be disabled.

UP/DOWNLOAD
- CallBack in Normal Mode and User Program mode is now optional to allow up/download without having a fixed callback telephone number.
- The ET8 Up/Download Software is completely new and is compatible with Windows 9x. The user interface and presentation is also completely different.

HARDWARE
- An option to select 3k3 EOL resistors for Zones. Default is 2k2.
- A Tamper lead assembly has been provided to connect the internal tamper switch to the Tamp header.

MISCELLANEOUS
- Only include mains fail in alarm memory when the previous event is not mains fail.
- Fire Siren sound can be selected for 24hr zones. Handy for Smoke Detectors.
- Separate Icons added to keypad to distinguish 0 & 9 on LCD keypad.
- Day mode does not latch zone alarms. The warnings are either for 2secs or while the Day zone is unsealed.
- Zone Exclude with User Code Entry only accepts zones (1-8) that are in the AREAS that the User Code can arm.
- In User Program Mode a Siren Test can be started by entering 77777777E (8 sevens) and Dialler Test Report can be initiated by entering 66666666 ( 8 sixes).
- An option added which gives quiet siren chirps in Monitor mode, instead of the full volume siren sound.

FEATURES
- 8 Fully programmable zones
- Any combination of hardwire or radio zones
- Full radio supervision
- Contact ID Dialler Format
- Ultra-Modern and Impact resistant Housing
- E-Tech Audible Dialler Format
- "Follow Me" Audible Dialler Option
- Separate 24 Hour Tamper input
- Single or Double Trigger Zones
- Remote LED or LCD Keypads (Max 3)
- Fully programmable via the system Keypad – Eliminates the need for expensive programmers or Proms.
- Inbuilt Vibration Sensor Analyser
- All programming data is permanently stored in a non-volatile EEPROM memory
- Windows based Up/Down load Software allows remote programming and event status
- True Dynamic Battery Test every time the Panel is armed / disarmed and every hour
- Area Partitionable (2 Areas). Any Zone can be programmed to any area, as well as common areas
- Comes complete with an AC plug pack and supports a 12V 7Ah battery to maintain systems security under all power supply conditions
- Monitor Mode (Home Mode)
- Outputs are separately fused with Automatic Reset Fuses
- Day Mode and Door Chime feature.
- 30 Event Memory
- Supports 8 Radio Devices (Radio PIRs, Radio Reeds etc)
- Supports 14 Radio Keys
- All inputs and outputs are heavily protected against lightning and high voltage supply transients. An earth terminal is provided for extra protection
- 15 User Codes
- ‘Arm only’ codes can be programmed
- Programmable Inputs to activate selectable Outputs
- Designed utilising the latest SMD Technology
- Forced Arming Feature
- Simple to Program and Use.
INSTALLATION PROCEDURES

The location of the main panel housing should be in an area that is within the protected area of the premises. A linen closet or cupboard are good examples as these are generally located in the centre of the Premises.

Positioning of the movement detectors should be considered as the incorrect position may cause unwanted alarms.

1. Unclip the lid by pushing in the directions of the arrows 1 and 2 as shown below.
2. Remove the Battery from the base.
3. Mount the rear panel housing to a secure location.
4. Insert the PCB stand-offs in the Panel and then plug the circuit board onto the stand-offs.
5. Wire to the circuit board terminal blocks, as per the wiring instructions shown in this installation manual.
6. Replace the Battery.
7. Insert the panel tamper bracket as shown at left.
8. Program the control panel as required.

SPECIFICATIONS

Box construction .......... 3mm Polycarbonate (equiv. 1.2mm mild steel)
Box Dimensions .......... 223W x 300H x 85D mm
Plug Pack .................... 240Vac, output 17Vac@1.4A
Power Supply ................. 13.8Vdc @ 800mA
Quiescent Current .......... 80mA with 1 Keypad
Operating Voltage .......... 9.5V – 14V dc
Rechargeable Battery ...... 12 volt 7.0 Amp/hour, lead acid
Battery Charging current .. 350mA maximum, current limited
Dynamic Battery Test ...... Every Hour and on arming 10.75V with a 5 amp load
Fuses ......................... 2 Amp resettable / sirens & reset.
                        500mA resettable / 12 volt auxiliary outputs
                        200mA resettable / strobe output

INPUTS ....................... 8 x Zone inputs
                        2 x 24hr Tamper inputs
End of line resistor ........ 2200 Ohm
Remote Keypad input ........ Proprietary
Maximum Keypads .......... 3
J2 Header ..................... Multi-pin connector for the E-Tech Radio Interface (100-200)

OUTPUTS

Siren ......................... On board siren driver. Timed output.
                        Maximum 3 x 8 Ohm horn speakers
Strobe ....................... 12V DC latching output. Maximum 2 x 1 Watt strobe lights
Reset ......................... 12V DC timed output. Maximum 3 x 12V piezo screamers
Equipment power output .... 13.8V DC output for powering detectors and other equipment. Maximum 500mA.
J3 Header ..................... Multi-pin connector provides the outputs AUX1, AUX2, ARM1, ARM2, 12V DC.
E-TECH ET8 (V4) CONTROL PANEL – INSTALLER MANUAL

CONNECTION DIAGRAM

ZONE CONNECTION EXAMPLES

N.C. Normally Closed Devices

E-TECH ET8

N.C. Contacts

N.O. Normally Open Devices

E-TECH ET8

N.O. Contacts
E-Tech ET8 (V4) CONTROL PANEL – INSTALLER MANUAL

WIRING EXAMPLES

EXAMPLE 1  E-Tech ET8 CONTROL PANEL

E-Tech ET8 CONTROL PANEL
+12V N.C. TAMP
Zone [1~8] C
TAMP C

E-Tech QUANTUM DETECTOR (all models)

0V C

EXAMPLE 2  E-Tech ET8 CONTROL PANEL

E-Tech ET8 CONTROL PANEL
+12V N.C. TAMP
Zone [1~8] C
TAMP C

E-Tech QUANTUM DETECTOR (all models)

0V C

EXAMPLE 3  ANY N.C. DEVICE

E-Tech ET8 CONTROL PANEL
+12V N.C. TAMP
Zone [1~8] C
TAMP C

REED SWITCH (N.C. contacts)

EXAMPLE 4  ANY N.O. DEVICE

E-Tech ET8 CONTROL PANEL
+12V N.C. TAMP
Zone [1~8] C
TAMP C

PANIC BUTTON (N.O. contacts)

EXAMPLE 5  SIREN WIRING

E-Tech ET8 CONTROL PANEL
TAMP C

External

12V INTERNAL SIREN
100-172 or NO1230, NO1240, 100-238

Internal

* NOTE: E-Tech Panel & Noise KITS are supplied with the E-Tech Internal Horn Speaker (100-171). This must be connected to the SIREN output in parallel with the Horn Speaker/s.

TIP:
100-171 Internal Horn Speaker has WHITE wires.
100-172 Internal Siren has RED & BLACK wires.

Terminal block is supplied with E-Tech siren covers.
INPUTS

MONITORED ZONES
The E-Tech ET8 has 10 separate monitored inputs.

• 8 x Fully programmable Zone inputs
• 2 x 24 hour Tamper input

ZONE INPUTS
Each zone input must be terminated with a 2K2 (2200 ohm) resistor as supplied. All inputs must be sealed with an EOL resistor even if unused.

For wiring details of Keypads, Keyswitches, Panic Buttons and Warning devices, see the wiring diagrams in the wiring section of this manual.

TAMP – Tamper Input
The TAMP input must also be sealed with a 2K2 end of line resistor. This input is always a 24hr input.

AC INPUT TERMINALS
These terminals are for the connection of the E-Tech plugpack. The E-Tech ET8 requires an AC transformer rating of 1.4 Amps @ 17 V AC minimum. (E-Tech Part No. POW215)

BATTERY
These terminals are for the connection of a sealed lead-acid rechargeable 12Volt battery. Charge current is limited to 350mA. The charge voltage is factory preset at 13.8 V and does not need changing. Note: A 12 Volt sealed lead acid rechargeable battery must be connected for correct panel operation. Observe correct Polarity when connecting the battery.

(E-Tech Part Number BAT210 12V 7Ah battery)

EARTH
For maximum protection against damage caused by lightning strikes, connect a good earth to this terminal. Alternatively use the Earth lead from the plug pack.

PROG/TAMP – Program Link & Internal Tamper Input
The PROG/TAMP link appears on the two pin J1 header.

The PROG/TAMP link has two purposes:

1. To enter Installer Program Mode on initial power up. Power-up with the PROG link OFF. The PROG link (or Box Tamper lead) must be ON in operating mode.

2. Box Tamper. When used with the Internal Tamper Lead (supplied), PROG/TAMP serves as the 24hr tamper input for the panel’s internal tamper switch.

Replace the PROG Link with the Box Tamper Lead. Connect the Internal Tamper Lead spade terminals directly to the terminals of the internal tamper switch (supplied). An end-of-line resistor is NOT required on this input.

When PROG/TAMP is used for Internal Tamper, powering up with the panel’s cover open will enter Installer Program Mode.
OUTPUT FUSING
The 12V outputs, Siren, Reset and Strobe outputs are protected by Automatic Reset electronic fuses. These outputs will automatically reset once the overload is removed.

BACKUP BATTERY
A properly charged battery MUST be installed to ensure the Siren, Strobe and Reset outputs operate correctly.

SIREN LOAD
A maximum output of 2.0A continuous is available from the SIREN, and RESET outputs and 200mA from the STR output. Recommended maximum power load:
- 3 x Horn speakers (SIREN output)
- 2 x Strobe lights (STR output)
- 2 x E-Tech Internal Sirens (100-172) (RESET output)

Note: (This assumes no more than 500mA is being drawn from the 12V device output).

OUTPUTS

12 VOLT OUTPUT:
A regulated 13.8 VDC output is available to power detectors and other equipment. This output is available from two sets of terminals marked +12V and 0V. The output is protected by an Automatic Reset fuse.

A maximum load of 500mA may be connected to these terminals.

SIREN:
The on-board siren driver will drive a maximum of 3 x 8 ohm horn speakers (E-Tech Part No. NOI110 or 100-171 Internal Siren). The output will reset at the end of siren time (P29E) or whenever the panel is reset, whichever comes first. The output is protected by an Automatic Reset fuse.

STR – Strobe:
A latched 12VDC output for connecting strobe lights. This output will latch on in the event of an alarm condition and stay on until the panel is reset.

A maximum of 2 x 1 Watt Strobes (E-Tech Part No. NOI300) can be connected to this output. The output is protected by an Automatic Reset fuse.

RESET:
A 12V DC output for connecting E-Tech Sirens, piezo sirens or relays, etc. This output will reset at the end of siren time (P29E) or whenever the panel is reset, whichever comes first.

A maximum of 3 x 12V piezo Sirens (E-Tech Part No. NOI240, NOI 230, 100-238) or 2 X E-Tech Piezo (Part No 100-172) can be connected to this output. The output is protected by an Automatic Reset fuse.

J3 HEADER

AUX1:
This output is an open collector (switch negative) which can supply a maximum of 100mA. Zone alarms may be selected to trigger this output by option P58E.

AUX2:
This output is an open collector (switch negative) which can supply a maximum of 100mA. Zone alarms may be selected to trigger this output by option P59E.

ARM1:
This output is an open collector (switch negative) which can supply a maximum of 100mA. This output is turned on when Area 1 is armed.

ARM2:
This output is an open collector (switch negative) which can supply a maximum of 100mA. This output is turned on when Area 2 is armed.
**KEYPAD**

**ET8 KEYPAD**

The ET8 control panel may be supplied with either the LED keypad (100-192) or the E-Tech LCD Keypad (100-667).

The keypad provides important visual and audible indications and is the main interface for operating and programming the ET8 control panel.

**NUMBER OF KEYPADS**

Up to 3 LED and/or LCD keypads can be connected to the ET8.

### KEYPAD INSTALLATION

1. Unclip the top half of the keypad housing by pushing the top clips down with a small screwdriver and pulling the housing forward.
2. Screw the base of the keypad housing to the wall using the 4 mounting holes provided.
3. Bring the 4 connecting wires to the terminal block on the PCB on the rear of the keypad housing.
4. Connect the wires to the screw terminals as per the wiring diagram shown in this manual.
5. Clip the top half onto the base by first engaging the bottom clips and swinging the top closed. Push hard to ensure the clips engage.
6. Attach the Zone list label on the inside of the lid.

### KEYPAD BEEPER SOUNDS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Each key press</td>
<td>1 beep</td>
</tr>
<tr>
<td>Valid command</td>
<td>3 beeps</td>
</tr>
<tr>
<td>Error</td>
<td>1 long beep</td>
</tr>
<tr>
<td>Mains Power is off or Panel Battery is low</td>
<td>10 long beeps</td>
</tr>
</tbody>
</table>

### LED KEYPAD

<table>
<thead>
<tr>
<th>STATUS</th>
<th>LED KEYPAD</th>
<th>LCD KEYPAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZONES 1—8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone is sealed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone is unsealed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone alarm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>READY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>READY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System is Armed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm failure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armed (AREA 1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monitor Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disarmed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armed (AREA 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mains Power is off</td>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Mains Power is off</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New alarms in memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXCLUDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zones are excluded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TAMPER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tamper alarm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADIO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Receiving radio signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio failure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dialer on line</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROGRAM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Program Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Ready</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ready to Arm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not ready to Arm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CABLE LENGTH**

The maximum allowable cable length is 100m (total cable length to all keypads).

**DISPLAY TEST (LCD Keypad only)**

To display all the keypad icons press and hold the [E] button for at least 2 seconds. All the icons will be on whilst the [E] button is held down.

Display Test can be activated at any time either in operating mode or any program mode.

---

**ET8 KEYPAD**

The ET8 control panel may be supplied with either the LED keypad (100-192) or the E-Tech LCD Keypad (100-667).

The keypad provides important visual and audible indications and is the main interface for operating and programming the ET8 control panel.

**NUMBER OF KEYPADS**

Up to 3 LED and/or LCD keypads can be connected to the ET8.
## OPERATION SUMMARY

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>LED KEYPAD</th>
<th>LCD KEYPAD</th>
<th>RADIO KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARM</strong></td>
<td><strong>ARM</strong> [User Code] <strong>ENTER</strong>...</td>
<td><strong>ARM</strong> [User Code] <strong>E</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DISARM</strong></td>
<td>[User Code] <strong>ENTER</strong>...</td>
<td>[User Code] <strong>E</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MONITOR MODE</strong></td>
<td>[Monitor] <strong>ENTER</strong>...</td>
<td>[Monitor] <strong>E</strong></td>
<td>Press twice within 4 seconds P69E 5E must be ON</td>
</tr>
<tr>
<td><strong>PANIC</strong></td>
<td>[Panic] <strong>ENTER</strong>... [User Code] <strong>ENTER</strong>...</td>
<td>[Panic] <strong>E</strong></td>
<td>Press and hold for 4 seconds (P69E 5E &amp; 4E must be OFF)</td>
</tr>
<tr>
<td><strong>KEYPAD DURESS</strong></td>
<td>[User Code] <strong>ENTER</strong>...</td>
<td>[User Code] <strong>E</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EXCLUDING ZONES</strong></td>
<td>[Exclude] <strong>ENTER</strong>...</td>
<td>[Exclude] <strong>E</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ALARM MEMORY</strong></td>
<td>[Memory] <strong>ENTER</strong>...</td>
<td>[Memory] <strong>E</strong></td>
<td></td>
</tr>
</tbody>
</table>

- **To Disarm and report a Duress Alarm**, add any of the digits 5, 6, 8 or 9 before the User Code when Disarming.
- **To exit Exclude mode**
- **To exit Memory mode**
- **Press repeatedly to display the last 30 events**
- **Press** repeatedly to display the last 30 events
**PROGRAMMING**

**QUICK START PROGRAMMING**

Use one of these programming summaries for fast setup of your ET8 as a Local, Audible Monitored or Central Station Monitored system.

The control panel will be ready for use immediately.

**QUICK START 1**

**LOCAL SYSTEM**

Quick Start 1 shows you how to change User Code 1 (the Master Code).

By default, the dialler is disabled until programmed.

**QUICK START 2**

**AUDIBLE MONITORING**

Quick Start 2 shows you how to change User Code 1 (the Master Code), enable Audible Monitoring and program 1 telephone number. This will enable the dialler to report alarms to any telephone including mobile phones.

**QUICK START 3**

**CENTRAL STATION MONITORING**

Quick Start 3 shows you how to change User Code 1 (the Master Code), enable Central Station Monitoring and program one telephone number. This will enable the dialler to report alarms to a Central Station.

---

**QUICK START 1 - step by step**

<table>
<thead>
<tr>
<th>STEP</th>
<th>KEY STROKES</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>P</strong> <strong>1</strong> <strong>2</strong> <strong>3</strong> <strong>E</strong></td>
<td>Enter User Program Mode</td>
<td>Program Light is ON</td>
</tr>
<tr>
<td>2</td>
<td><strong>P</strong> <strong>1</strong> <strong>F</strong></td>
<td>Selects the option for User Code 1</td>
<td>The existing code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>3</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code</td>
<td>Can be 3 to 6 digits long</td>
</tr>
<tr>
<td>4</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code again</td>
<td>The new code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>5</td>
<td><strong>F</strong></td>
<td>To exit Program Mode</td>
<td>Program light turns OFF</td>
</tr>
</tbody>
</table>

---

**QUICK START 2 - step by step**

<table>
<thead>
<tr>
<th>STEP</th>
<th>KEY STROKES</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>P</strong> <strong>1</strong> <strong>2</strong> <strong>3</strong> <strong>E</strong></td>
<td>Enter User Program Mode</td>
<td>Program Light is ON</td>
</tr>
<tr>
<td>2</td>
<td><strong>P</strong> <strong>1</strong> <strong>2</strong> <strong>3</strong> <strong>E</strong></td>
<td>Enter Installer Program Mode</td>
<td>Program Light is FLASHING</td>
</tr>
<tr>
<td>3</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Selects the option for User Code 1</td>
<td>The existing code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>4</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code</td>
<td>Can be 3 to 6 digits long</td>
</tr>
<tr>
<td>5</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code again</td>
<td>The new code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>6</td>
<td><strong>P</strong> <strong>8</strong> <strong>E</strong> <strong>E</strong></td>
<td>At P86E, turns ON option 4</td>
<td>Audible Monitoring enabled</td>
</tr>
<tr>
<td>7</td>
<td><strong>P</strong> <strong>7</strong> <strong>E</strong></td>
<td>Selects the option for Telephone No.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td><strong>F</strong></td>
<td>Enter the telephone number</td>
<td>Can be up to 15 digits long</td>
</tr>
<tr>
<td>9</td>
<td><strong>F</strong></td>
<td>To exit Program Mode</td>
<td>Program light turns OFF</td>
</tr>
</tbody>
</table>

See page 58 for further information on the operation of Audible Monitoring.

---

**QUICK START 3 - step by step**

<table>
<thead>
<tr>
<th>STEP</th>
<th>KEY STROKES</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>P</strong> <strong>1</strong> <strong>2</strong> <strong>3</strong> <strong>E</strong></td>
<td>Enter User Program Mode</td>
<td>Program Light is ON</td>
</tr>
<tr>
<td>2</td>
<td><strong>P</strong> <strong>1</strong> <strong>2</strong> <strong>3</strong> <strong>E</strong></td>
<td>Enter Installer Program Mode</td>
<td>Program Light is FLASHING</td>
</tr>
<tr>
<td>3</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Selects the option for User Code 1</td>
<td>The existing code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>4</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code</td>
<td>Can be 3 to 6 digits long</td>
</tr>
<tr>
<td>5</td>
<td><strong>F</strong> <strong>F</strong> <strong>F</strong></td>
<td>Enter the new User Code again</td>
<td>The new code is displayed by the keypad lights, followed by 3 beeps</td>
</tr>
<tr>
<td>6</td>
<td><strong>P</strong> <strong>8</strong> <strong>E</strong> <strong>E</strong></td>
<td>At P86E, turns ON option 2</td>
<td>Central Station Monitoring enabled</td>
</tr>
<tr>
<td>7</td>
<td><strong>P</strong> <strong>7</strong> <strong>E</strong></td>
<td>Selects the option for Telephone No.1</td>
<td>Existing Ph No (if any) displayed</td>
</tr>
<tr>
<td>8</td>
<td><strong>F</strong></td>
<td>Enter the Telephone Number</td>
<td>Can be up to 15 digits long</td>
</tr>
<tr>
<td>9</td>
<td><strong>P</strong> <strong>7</strong> <strong>E</strong></td>
<td>Enter the Account Number</td>
<td>Must be 4 digits</td>
</tr>
<tr>
<td>10</td>
<td><strong>F</strong></td>
<td>To exit Program Mode</td>
<td>Program light turns OFF</td>
</tr>
</tbody>
</table>

1 Option P86E 2E is ON by factory default. This option only needs to be turned ON if previously programmed OFF.

2 The Central Station’s receiver telephone number - supplied by the Central Station

3 Account Number to identify the premises - supplied by the Central Station

* Factory default Master Code is: 123
* Factory default Installer Code is: 000000
PROGRAM MODE LEVELS

TABLE 4. FLOW CHART

Power up with Program Link OFF
(Usually on first time installation)

INSTALLER PROGRAM Mode

PROGRAM light is FLASHING

P [INSTALLER CODE] E
Factory default Installer Code: 000000

USER PROGRAM Mode

PROGRAM light is ON

P [MASTER CODE] E
Factory default Master Code: 123

NORMAL OPERATING Mode

PROGRAM light is OFF

HOW TO ENTER PROGRAM MODE

A FROM POWER UP
1. Power-up with the PROG link OFF.
   (The PROG link (or Box Tamper lead) must be ON in Operating Mode).

B USING KEYPAD
The panel must be Disarmed.
1. Press P [MASTER CODE] E The keypad will respond with 3 beeps
   This is User Program Mode (PROGRAM light is ON).
2. Press P [INSTALLER CODE] E The keypad will respond with 3 beeps
   This is Installer Program Mode (PROGRAM light is FLASHING).

HOW TO EXIT PROGRAM MODE
1. Press P then E
   This is Operating Mode (PROGRAM light is OFF).

KEY SEQUENCE IN PROGRAM MODE

Selects a program option (address)

Enter new data

The current value is displayed

The keypad lights or icons will display the current value

Enter new value using keys 0-9

3 beeps
PROGRAMMING

USER CODES
User codes are the 3 to 6 digit codes used to operate the panel by keypad.

User Codes 1–15: Used to arm/disarm the panel. These codes can also be programmed as Arm Only codes. User Code 1 is also the Master Code which is used to access Client Program mode.

PROGRAMMING SEQUENCE:

1. Enter [P] 11–25 [E] the existing code is displayed
2. Enter [E] [ENTER NEW CODE] [E] [ENTER NEW CODE AGAIN] [E] the new code is displayed

EXAMPLE: To program the Master Code

1. 1 1 Enter new code Enter new code again

TO DELETE A CODE:
To delete a User Code, enter the MEMORY key in place of the code.

EXAMPLE: To delete User Code 2:

P12E MEMORY E

ARM ONLY CODES
User Codes 2–15 can be set as Arm Only Codes. These codes can Arm but cannot Disarm the panel.

When programming a code, enter ARM E in front of the code to enable the Arm Only option.

EXAMPLE: To program User Code 2 to be 1234 and an Arm Only code:

P12E ARM E 1234E 1234E

When the code is viewed, the ARMED icon is displayed before the digits of the code.

CODE TABLE

<table>
<thead>
<tr>
<th>CODE</th>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>FACTORY DEFAULT</th>
<th>ENABLE AS A RADIO CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Code 1</td>
<td>P11E</td>
<td>Master Code</td>
<td>123</td>
<td></td>
</tr>
<tr>
<td>User Code 2</td>
<td>P12E</td>
<td></td>
<td>2E</td>
<td>P09E</td>
</tr>
<tr>
<td>User Code 3</td>
<td>P13E</td>
<td></td>
<td>3E</td>
<td></td>
</tr>
<tr>
<td>User Code 4</td>
<td>P14E</td>
<td></td>
<td>4E</td>
<td></td>
</tr>
<tr>
<td>User Code 5</td>
<td>P15E</td>
<td></td>
<td>5E</td>
<td></td>
</tr>
<tr>
<td>User Code 6</td>
<td>P16E</td>
<td></td>
<td>6E</td>
<td></td>
</tr>
<tr>
<td>User Code 7</td>
<td>P17E</td>
<td></td>
<td>7E</td>
<td></td>
</tr>
<tr>
<td>User Code 8</td>
<td>P18E</td>
<td></td>
<td>8E</td>
<td></td>
</tr>
<tr>
<td>User Code 9</td>
<td>P19E</td>
<td></td>
<td>9E</td>
<td></td>
</tr>
<tr>
<td>User Code 10</td>
<td>P20E</td>
<td></td>
<td>10E</td>
<td></td>
</tr>
<tr>
<td>User Code 11</td>
<td>P21E</td>
<td></td>
<td>11E</td>
<td></td>
</tr>
<tr>
<td>User Code 12</td>
<td>P22E</td>
<td></td>
<td>12E</td>
<td></td>
</tr>
<tr>
<td>User Code 13</td>
<td>P23E</td>
<td></td>
<td>13E</td>
<td></td>
</tr>
<tr>
<td>User Code 14</td>
<td>P24E</td>
<td></td>
<td>14E</td>
<td></td>
</tr>
<tr>
<td>User Code 15</td>
<td>P25E</td>
<td></td>
<td>15E</td>
<td></td>
</tr>
<tr>
<td>Installer Code</td>
<td>P99E</td>
<td>Installer Code</td>
<td>000000</td>
<td></td>
</tr>
</tbody>
</table>
ENTRY DELAY TIME 1
The Entry Delay Time 1 is the time given to Disarm the Panel after a Entry Delay 1 zone is unsecured.

The Entry Delay Time 1 setting is from 1 to 99 seconds.

PROGRAMMING SEQUENCE:

```
P26E existing time is displayed [ENTER NEW TIME] E new time is displayed
```

EXAMPLE: To program Entry Delay Time 1 to be 30 seconds:

```
P26E 30E
```

ENTRY DELAY TIME 2
The Entry Delay Time 2 is the time given to Disarm the panel after an Entry Delay 2 zone is unsecured.

The Entry Delay Time 2 setting is from 10 to 990 seconds (1 – 99).

Note: The Entry Delay Time 2 is set in 10 second increments so that a value setting of 6 means a 60 seconds delay.

PROGRAMMING SEQUENCE:

```
P27E existing time is displayed [ENTER NEW TIME] E new time is displayed
```

EXAMPLE: To program Entry Delay Time 2 to be 600 seconds:

```
P27E 60E
```

EXIT DELAY TIME
The Exit Delay Time is the time given to secure and depart the premises after the Panel is Armed. All zones (except 24hr zones) are inactive during the Exit Delay time.

The Exit Delay Time setting is from 1 to 99 seconds.

PROGRAMMING SEQUENCE:

```
P28E existing time is displayed [ENTER NEW TIME] E new time is displayed
```

EXAMPLE: To program Exit Delay to be 85 seconds:

```
P28E 85E
```

SIREN RESET TIME
The Siren Reset Time sets the duration of the Siren and Reset outputs.

The Siren Reset Time setting is from 1 to 99 minutes.

PROGRAMMING SEQUENCE:

```
P29E existing time is displayed [ENTER NEW TIME] E new time is displayed
```

EXAMPLE: To program Siren Time to be 4 minutes:

```
P29E 4E
```
PROGRAMMING

VIBRATION SENSITIVITY

Each zone has individually adjustable sensitivity for connection of E-Techsensor Vibration Sensors.

Zone sensitivity is adjusted by toggling zones ON in options P30E to P38E.

P30E, Normal Sensitivity – vibration analyser disabled. This is used for normal alarm devices. Zone response time, 200ms.

P31–38E are the options for the 8 levels of vibration sensitivities. P31E is the most sensitive setting.

PROGRAMMING SEQUENCE:

P [30–38] E zones are displayed [Zone No] E

EXAMPLE: To program zones 2 and 3 to be Medium Sensitivity:

P34E 2E 3E

the keypad display will show zone lights 2 & 3 to be ON

VIBRATION SENSITIVITY

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>SENSITIVITY</th>
<th>Zones 1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>P30E</td>
<td>Normal</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P31E</td>
<td>High</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P32E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P33E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P34E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P35E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P36E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P37E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P38E</td>
<td>Low</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

ON = Factory default setting

In addition to zone sensitivity adjustment, the overall sensitivity of the E-Techsensor can be adjusted by rotating the body of the E-Techsensor within its bracket.

The bracket must always be mounted horizontally and the arrow must point up for any required setting.
PROGRAMMING

ZONE ASSIGNMENT

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>Zones</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P39E</td>
<td>Double Trigger zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P40E</td>
<td>Instant zones</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P41E</td>
<td>Entry Delay 1 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P42E</td>
<td>Handover zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P43E</td>
<td>Entry Delay 2 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P44E</td>
<td>Lockout zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P45E</td>
<td>Area 1 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P46E</td>
<td>Area 2 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P51E</td>
<td>Monitor zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P52E</td>
<td>24Hr zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>P53E</td>
<td>Day zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

P39E

PROGRAM MODE LEVEL: Installer, Remote by PC
FACTORY DEFAULT: all OFF: No Double Trigger zones
NOTES:
• Double Trigger is useful for preventing unwanted alarms from zones in harsh environments such as sheds and garages.
• 0E will turn all selections OFF
• MEMORY E will turn all selections ON

P40E

PROGRAM MODE LEVEL: Installer, Remote by PC
FACTORY DEFAULT: 3E–8E ON: Zones 3–8 are Instant
NOTES:
• When a zone is selected for this type, it is automatically deselected from any other zone type in the DELAY GROUP

P41E

PROGRAM MODE LEVEL: Installer, Remote by PC
FACTORY DEFAULT: 1E ON: Zone 1 has Entry Delay1
NOTES:
• The keypad sonalert will beep during Entry Delay as a reminder to disarm the panel. Entry beeps can be disabled by program option P60E 1E.
• When a zone is selected for this type, it is automatically deselected from any other zone type in the DELAY GROUP

DOUBLE TRIGGER ZONES

Zones programmed to Double Trigger will recognise an alarm condition if:

• The zone has been triggered twice within a 4 minute period.
• If any 2 zones (both programmed for double trigger), each trigger once.
• The zone is left unsealed for longer than 15 seconds.

PROGRAMMING SEQUENCE:

P39E [Zone No]E toggles the options ON and OFF

P39E [Zone No]E OFF: The zone is not a Double Trigger zone
P39E [Zone No]E ON: The zone is a Double Trigger zone

INSTANT ZONES

Instant Zones operate only in the Armed state. When Armed at the expiry of exit time, Instant Zones will activate assigned outputs immediately when triggered.

P40E [Zone No]E turns the options ON

P40E [Zone No]E ON: The zone is an Instant Zone
To deselect the option, select a different zone type in the DELAY GROUP

ENTRY DELAY1 ZONES

Entry Delay1 zones operate only in the Armed state. When Armed, at the expiry of exit time these zones will activate the Entry Delay Timer1 (P26E) when they are triggered. If the panel is not disarmed before the expiry of the Entry Delay Timer1, the alarm outputs will be activated.

P41E [Zone No]E turns the options ON

P41E [Zone No]E ON: The zone is an Entry Delay1 zone
To deselect the option, select a different zone type in the DELAY GROUP
PROGRAMMING

HANDOVER ZONES
Handover zones are delayed only if entry is made through an Entry Delay zone first. If a Handover zone is triggered first, the zone behaves as an instant zone. Normally, the “point of entry” zone should be Delay zone, with any other zones in the entry path programmed as Handover zones.

PROGRAMMING SEQUENCE:
P42E [Zone No]E turns the options ON
P42E [Zone No]E ON: The zone is a Handover zone
To deselect the option, select a different zone type in the DELAY GROUP.

ENTRY DELAY2 ZONES
When an Entry Delay2 zone is triggered, it has entry delay as set by the Entry Delay Time2 (P27E).

PROGRAMMING SEQUENCE:
P43E [Zone No]E turns the options ON
P43E [Zone No]E ON: The zone is an Entry Delay2 zone
To deselect the option, select a different zone type in the DELAY GROUP.

RESET LOCKOUT ZONES
All 8 zones and tamper input can be programmed to Lockout, i.e. cause the RESET OUTPUT to sound only whilst the panel is armed.

The RESET OUTPUT is then locked out for that alarmed zone until entering a valid code has reset the panel.

PROGRAMMING SEQUENCE:
P44E [Zone No]E toggles the options ON and OFF
P44E [Zone No]E OFF: The zone is not a Lockout zone
P44E [Zone No]E ON: The zone is a Lockout zone

AREA PARTITIONING
See page 20

ASSIGNING USER CODES TO AREAS
See page 21
**PROGRAMMING**

### MONITOR ZONES

Monitor zones allow you to Arm selected zones while others are ignored. Typically used for perimeter zones such as windows and doors while you are at home. Example: Upstairs zones are Disarmed while downstairs zones are Armed in Monitor mode.

**PROGRAMMING SEQUENCE:**

- P51E [Zone No]E toggles the options ON and OFF
- P51E [Zone No]E OFF: The zone is not a Monitor zone
- P51E [Zone No]E ON: The zone is a Monitor zone

### DAY ZONES

Day Zones operate when the panel is fully disarmed, i.e. when Area 1, Area 2 and Monitor are all off. When alarmed, these zones will activate the assigned outputs instantly.

The outputs mapped to the Day Zone will turn on while the zone is unsealed.

**PROGRAMMING SEQUENCE:**

- P53E [Zone No]E toggles the options ON and OFF
- P53E [Zone No]E OFF: The zone is not a Day zone
- P53E [Zone No]E ON: The zone is a Day zone

### 24hr ZONES

24hr Zones operate at all times regardless of the mode of panel operation, i.e. Armed, Disarmed or Monitor. When alarmed, these zones will activate assigned outputs immediately. To reset those alarms a valid user code must be entered.

Selecting a zone as 24hr will override any other zone type setting such as Instant, Delayed or Handover.

**PROGRAMMING SEQUENCE:**

- P52E [Zone No]E toggles the options ON and OFF
- P52E [Zone No]E OFF: The zone is not a 24hr zone
- P52E [Zone No]E ON: The zone is a 24hr zone

---

**NOTES:**

- RELATED OPTIONS:
  - P63E Monitor Mode output mapping
  - P64E 1E 2 sec Monitor Mode alarm
  - P64E 3E Monitor zones have Entry

- RELATED OPTIONS:
  - P63E 5E–8E Day zone output mapping
  - P64E 2E 2 sec Day Mode alarm

- TYPICAL USES:
  - Instant alert when a delivery door is opened.
  - Doorway alert for a shop. Turn ON option P63E 7E for keypad sonalert when a Day zone alarms.

---

E-TECH ET8 (V4) CONTROL PANEL – INSTALLER MANUAL
AREA PARTITIONING

DEFINITION
Area Partitioning allows the 8 zones to be split into two partitions: Area1 and Area2.
The panel then effectively operates as two separate systems sharing only the siren outputs and dialler.

USER CODE ASSIGNMENT
A User Code assigned to an Area can Arm and Disarm only that Area. User Codes assigned to both Areas will operate both Areas simultaneously.

COMMON AREA ZONES
Zones assigned to both Areas are armed only when Area1 and Area2 are both armed. This allows the Common Area zone/s to be shared by both Areas.

PROGRAMMING SEQUENCE:
P45E [Zone No] E toggles the options ON and OFF for Area1
P45E [Zone No] E OFF: The zone is not in Area1
P45E [Zone No] E ON: The zone is in Area1
P46E [Zone No] E toggles the options ON and OFF for Area2
P46E [Zone No] E OFF: The zone is not in Area2
P46E [Zone No] E ON: The zone is in Area2

EXAMPLE:
To program zones 1–4 for Area 1 and zones 1, 5–8 for Area 2.
In this example, we have assigned zone 1 to both areas, so it becomes a Common Zone.

ASSIGNING ZONES TO AREAS
Assign (or remove) zones that will operate when Area 2 is armed.

PROGRAMMING SEQUENCE:
P45E [Zone No] E toggles the options ON and OFF for Area1
P45E [Zone No] E OFF: The zone is not in Area1
P45E [Zone No] E ON: The zone is in Area1
P46E [Zone No] E toggles the options ON and OFF for Area2
P46E [Zone No] E OFF: The zone is not in Area2
P46E [Zone No] E ON: The zone is in Area2

EXAMPLE:
For example, Office A and Office B operate as separate areas but the entrance foyer used by both offices is assigned to both areas meaning it will automatically Arm when both Areas have Armed. The Common Area then automatically disarms when either Area1 or Area2 Disarms.

OPERATION
Arming and Disarming is carried out as normal from a single keypad or separate keypads installed in both areas or by Radio Key.
Area operation only applies to zones when they are in the armed state. This means that Day, 24hr and Monitor zones are independent of the area operations.
Note: Area partitioning is in addition to Monitor Mode. Any zone may be allocated to any area.

OPTIONS | DESCRIPTION
---|---
P45E | Area 1 zones
P46E | Area 2 zones

ON = Factory default setting

P45E, P46E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
No zones assigned to Area 2.

NOTES:
- For options P45E and P46E, [Zone No] E toggles the selection ON and OFF.
- Zones assigned to BOTH areas become Common zones.
- If no Area operation is required, assign all zones to Area 1. (This is also the factory default).
ASSIGNING USER CODES TO AREAS

Assign (or remove) User Codes to Areas.

PROGRAMMING SEQUENCE:

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P47E</td>
<td>Codes 1-8 to AREA1</td>
</tr>
<tr>
<td>P48E</td>
<td>Codes 9-15 to AREA1</td>
</tr>
<tr>
<td>P49E</td>
<td>Codes 1-8 to AREA2</td>
</tr>
<tr>
<td>P50E</td>
<td>Codes 9-15 to AREA2</td>
</tr>
</tbody>
</table>

P47E 1E–8E toggles the options ON and OFF
Assigns User Codes 1–8 to AREA1

P48E 1E–7E toggles the options ON and OFF
Assigns User Codes 9–15 to AREA1

P49E 1E–8E toggles the options ON and OFF
Assigns User Codes 1–8 to AREA2

P50E 1E–7E toggles the options ON and OFF
Assigns User Codes 9–15 to AREA2

EXAMPLE:

To assign User Codes 1–8 to AREA1 and User Codes 9–15 to AREA2.

P47E turn ON lights 1–8
P48E turn OFF lights 1–7
P49E turn OFF lights 1–8
P50E turn ON lights 1–7
PROGRAMMING

ZONE TO OUTPUT MAPPING

When a zone alarms, it can turn on any or all of the following 6 outputs: Sonalert, Strobe, Siren, Reset, AUX1, AUX2.

The programming is selected with options P54E – P59E. Simply set the zone number to the output to select it. The zone LED will indicate if the zone is selected.

The Tamper Input and the Keypad Panic can be programmed to turn on the Reset, Strobe, Sonalert and Siren by using option P61E.

ZONE TO OUTPUTS MAPPING

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>Zones</th>
<th>Zones</th>
<th>Zones</th>
<th>Zones</th>
<th>Zones</th>
<th>Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>54E</td>
<td>Reset zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>55E</td>
<td>Strobe zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>56E</td>
<td>Sonalert zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>57E</td>
<td>Siren zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>58E</td>
<td>Aux1 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>59E</td>
<td>Aux2 zones</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

ON = Factory default setting

NOTE: Zone To Output Mapping applies to zones when the panel is in the Armed or 24hr state.

For MONITOR and DAY mode Output Mapping – see Option P63E 1E–8E, page 28

P51~P53E, page 19

P54E

PROGRAM MODE LEVEL: Installer, Remote by PC

FACTORY DEFAULT: all ON: All zones trigger Reset output

NOTES:
• 0E will turn all selections OFF
• MEMORY E will turn all selections ON

P55E

PROGRAM MODE LEVEL: Installer, Remote by PC

FACTORY DEFAULT: all ON: All zones trigger Strobe output

NOTES:
• 0E will turn all selections OFF
• MEMORY E will turn all selections ON

P56E

PROGRAM MODE LEVEL: Installer, Remote by PC

FACTORY DEFAULT: all ON: All zones trigger Keypad Sonalert

NOTES:
• 0E will turn all selections OFF
• MEMORY E will turn all selections ON

RESET OUTPUT ZONES

Selects the zones to trigger the Reset output.

PROGRAMMING SEQUENCE:

P54E [Zone No]E toggles the options ON and OFF

P54E [Zone No]E OFF: The zone will not trigger the Reset output
P54E [Zone No]E ON: The zone will trigger the Reset output

STROBE OUTPUT ZONES

Selects the zones to trigger the Strobe output.

PROGRAMMING SEQUENCE:

P55E [Zone No]E toggles the options ON and OFF

P55E [Zone No]E OFF: The zone will not trigger the Strobe output
P55E [Zone No]E ON: The zone will trigger the Strobe output

KEYPAD SONALERT ZONES

Selects the zones to trigger the Keypad Sonalert (beeper).

PROGRAMMING SEQUENCE:

P56E [Zone No]E toggles the options ON and OFF

P56E [Zone No]E OFF: The zone will not trigger the Keypad Sonalert
P56E [Zone No]E ON: The zone will trigger the Keypad Sonalert
**PROGRAMMING**

### SIREN OUTPUT ZONES
Selects the zones to trigger the Siren output.

**PROGRAMMING SEQUENCE:**
- `P57E [Zone No]E` toggles the options ON and OFF
  - P57E [Zone No]E OFF: The zone will not trigger the Siren output
  - P57E [Zone No]E ON: The zone will trigger the Siren output

### AUX1 OUTPUT ZONES
Selects the zones to trigger the AUX1 output. AUX1 output is Pin1 on the J3 header on the main board.

**PROGRAMMING SEQUENCE:**
- `P58E [Zone No]E` toggles the options ON and OFF
  - P58E [Zone No]E OFF: The zone will not trigger the AUX1 output
  - P58E [Zone No]E ON: The zone will trigger the AUX1 output

### AUX2 OUTPUT ZONES
Selects the zones to trigger the AUX2 output. AUX2 output is Pin2 on the J3 header on the main board.

**PROGRAMMING SEQUENCE:**
- `P59E [Zone No]E` toggles the options ON and OFF
  - P59E [Zone No]E OFF: The zone will not trigger the AUX2 output
  - P59E [Zone No]E ON: The zone will trigger the AUX2 output
**PROGRAMMING**

**ENTRY BEEPS**

The sonalert will beep during Entry Delay.

**PROGRAMMING SEQUENCE:**
- **P60E 1E** toggles the option ON and OFF
- P60E 1E OFF: Entry Beeps OFF
- P60E 1E ON: Entry Beeps ON

**KEYSWITCH MONITOR MODE ARMING**

An externally fitted, normally open momentary Keyswitch can be used to Arm, Disarm or change the ET8 to Monitor mode.

The keyswitch is wired to zone 8 (zone 8 is then no longer available as a normal alarm input, but IS still available for use as a Radio Zone).

**PROGRAMMING SEQUENCE:**
- **P60E 2E or 3E** toggles the option ON and OFF
  - P60E 2E & 3E OFF: No keyswitch operation. Zone 8 is a normal alarm input.
  - P60E 2E ON: Keyswitch cycles between Monitor and Disarm.
  - P60E 3E ON: Keyswitch cycles between Arm and Disarm.
  - P60E 2E & 3E ON: Keyswitch cycles between Arm, Monitor and Disarm.

---

**P60E 1E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:**
Entry Beeps ON

**NOTES:**

- The sonalert will beep during Entry Delay.

---

**P60E 2E, 3E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:**
No keyswitch enabled

**NOTES:**
- The keyswitch always Arms Area1 only.
- The keyswitch always Disarms Area1 and Area2.
- Momentary short circuit across resistor to toggle panel modes.
- Open circuit resistor to trigger keyswitch panic.
- Multiple keyswitches can be used. Wire in parallel.
PROGRAMMING

TAMPER ALARM LOCKOUT
This option programs the Tamper input to Lockout, i.e. cause the Siren & Reset outputs to sound only once whilst the panel is armed.

PROGRAMMING SEQUENCE:
P60E 4E toggles the option ON and OFF
P60E 4E OFF: Tamper Reset Lockout disabled
P60E 4E ON: Tamper Reset Lockout enabled

DURESS TO RESET OUTPUT
Keypad Duress is normally a silent alarm. This option makes the Duress alarm trigger the Reset output.

PROGRAMMING SEQUENCE:
P60E 5E toggles the option ON and OFF
P60E 5E OFF: No Reset output on Duress alarm
P60E 5E ON: Duress alarm triggers Reset output

AUTO EXCLUDE ZONES
If a zone is unsealed at the end of Exit Time the panel can either Exclude (ignore) that zone or immediately alarm.

The panel will give a 2 second Siren burst at the end of Exit Time to indicate that the panel is armed with a zone/s Auto Excluded. The 2 sec Siren burst can be disabled by option P62E 7E.

PROGRAMMING SEQUENCE:
P60E 6E toggles the option ON and OFF
P60E 6E OFF: Auto Exclude disabled (instant alarm if unsealed at end of Exit Time)
P60E 6E ON: Auto Exclude enabled (zone is excluded if unsealed at end of Exit Time)

DISABLE THE DISPLAY
The LED indicators on the keypad can be programmed to blank after 4 minutes of no keypad use. Any action that causes a beep will restore the display (Use the button preferably).

PROGRAMMING SEQUENCE:
P60E 7E toggles the option ON and OFF
P60E 7E OFF: Display is always ON
P60E 7E ON: Display will blank after 4 minutes

DELAY ARM1 & ARM2 OUTPUTS
The output ARM1 turns on when Area 1 is armed. The output ARM2 turns on when Area 2 is armed. These outputs can be programmed to turn on instantly or at the end of Exit Time

ARM1 & ARM2 output s are Pins 3 & 4 on the J3 header on the main board.

PROGRAMMING SEQUENCE:
P60E 8E toggles the option ON and OFF
P60E 8E OFF: ARM1 & ARM2 outputs are instant
P60E 8E ON: ARM1 & ARM2 outputs turn on at end of Exit Time
**TAMPER ALARM / OUTPUT MAPPING**

This option selects which outputs will trigger when a Tamper Alarm occurs.

**PROGRAMMING SEQUENCE:**

- **P61E 1E–4E** toggles the options ON and OFF
  - P61E 1E: Tamper Alarm to Reset output
  - P61E 2E: Tamper Alarm to Strobe output
  - P61E 3E: Tamper Alarm to Keypad Sonalert output
  - P61E 4E: Tamper Alarm to Siren output

**FACTORY DEFAULT:** 1E–4E, ON: Tamper alarm triggers all outputs

**NOTES:**

- A Tamper Alarm can be caused by the TAMP input or by removing the the J1 link.

---

**KEYPAD PANIC ALARM / OUTPUT MAPPING**

This option selects which outputs will trigger when a Keypad Panic alarm occurs.

**PROGRAMMING SEQUENCE:**

- **P61E 5E–8E** toggles the options ON and OFF
  - P61E 5E: Keypad Panic Alarm to Reset output
  - P61E 6E: Keypad Panic Alarm to Strobe output
  - P61E 7E: Keypad Panic Alarm to Keypad Sonalert output
  - P61E 8E: Keypad Panic Alarm to Siren output

**FACTORY DEFAULT:** 5E–8E, ON: Panic alarm triggers all outputs

**NOTES:**

- A Keypad Panic Alarm can be caused by the PANIC keys on the keypad (* E or ** together, depending on Option P64E6E).
SYSTEM OPERATION SHORTCUTS

Some keypad operations can be programmed to operate with or without a User Code.

PROGRAMMING SEQUENCE:

P62E 1E–6E toggles the options ON and OFF

P62E 1E: Memory Display shortcut
P62E 2E: Zone Exclude shortcut
P62E 3E: Monitor Mode shortcut
P62E 4E: Keypad Panic shortcut
P62E 5E: Area1 Arming shortcut
P62E 6E: Area2 Arming shortcut

OPERATING EXAMPLES:

Arming without shortcut: [User Code] [ARM] [User Code] E
Arming with shortcut: [User Code] P62E 1E
Keypad Panic without shortcut: [User Code] E
Keypad Panic with shortcut: [User Code] P62E 1E

SIREN BURST ON AUTO EXCLUDE

This option allows the disabling of the 2 second siren burst at end of Exit Time which indicates a zone/s has been Auto Excluded.

PROGRAMMING SEQUENCE:

P62E 7E toggles the option ON and OFF

P62E 7E OFF: Siren burst on Auto Exclude disabled
P62E 7E ON: Siren burst on Auto Exclude enabled

EXIT TIME X10

This option multiplies the normal exit time by a factor of 10.

PROGRAMMING SEQUENCE:

P62E 8E toggles the option ON and OFF

P62E 8E OFF: Exit Time x10 disabled
P62E 8E ON: Exit Time x10 enabled

EXAMPLE: If P28E = 22 seconds then if P62E 8E is ON, the exit time is 22 x 10 = 220 seconds.
PROGRAMMING

P63E 1E–4E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
1E–4E OFF: No Monitor Mode outputs

NOTES:
• RELATED OPTIONS:
P64E 1E 2second Monitor alarm

P63E 5E–8E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
5E, 6E ON
7E, 8E OFF

NOTES:
• RELATED OPTIONS:
P64E 2E 2second Day alarm

MONITOR MODE OUTPUT MAPPING

This option selects which outputs are triggered by alarms in Monitor Mode.

PROGRAMMING SEQUENCE:

P63E 1E–4E toggles the options ON and OFF

P63E 1E: Monitor Mode to Reset output
P63E 2E: Monitor Mode to Strobe output
P63E 3E: Monitor Mode to Keypad Sonalert output
P63E 4E: Monitor Mode to Siren output

DAY MODE OUTPUT MAPPING

This option selects which outputs are triggered by alarms in Day Mode.

PROGRAMMING SEQUENCE:

P63E 5E–8E toggles the options ON and OFF

P63E 5E: Day Mode to Reset output
P63E 6E: Day Mode to Strobe output
P63E 7E: Day Mode to Keypad Sonalert output
P63E 8E: Day Mode to Siren output

For ZONE TO OUTPUT MAPPING (Armed & 24hr states) – see Options P54E – P59E, page 22

MONITOR Mode and DAY Mode Output Mapping is an extra feature released with the ET8 V4.

Note that MONITOR and DAY zones do not automatically assume the outputs assigned by Options P54E–P59E. Those options only apply to zones when the panel is in the ARMED state.

Options P63E 1E–8E allow different outputs to be triggered when the panel is in MONITOR and DAY modes.
PROGRAMMING

P64E 1E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
OFF: Monitor Mode outputs normal time

NOTES:
• RELATED OPTIONS:
P51E Set Monitor zones
P63E 1E–4E Monitor Mode output mapping

P64E 2E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
ON: 2 sec Day Mode outputs

NOTES:
• RELATED OPTIONS:
P53E Assign Day zones
P63E 5E–8E Day Mode output mapping

P64E 3E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
ON: Monitor zones all have Entry Delay 2

NOTES:
• RELATED OPTIONS:
P27E Entry Delay Time 2
P51E Assign Monitor zones
P63E 1E–4E Monitor Mode output mapping

P64E 4E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
OFF: No chirps

NOTES:
• RELATED OPTIONS:
P68E 8E Quiet Chirps

OPTION No | DESCRIPTION | 1E | 2E | 3E | 4E | 5E | 6E | 7E | 8E
---|---|---|---|---|---|---|---|---|---|
P64E | Miscellaneous options | ON | ON | ON | ON |

ON = Factory default setting.

2 SECOND MONITOR MODE ALARM

Alarms in Monitor Mode can either activate the programmed outputs for Siren Time duration (P29E) or they can activate the outputs for 2 seconds only.

PROGRAMMING SEQUENCE:

P64E 1E toggles the option ON and OFF
  P64E 1E OFF: Monitor Mode outputs have normal time as set by P29E
  P64E 1E ON: Monitor Mode outputs are ON for 2 seconds only

2 SECOND DAY MODE ALARM

Alarms in Day Mode will activate the programmed outputs while the zone is unsealed or they can activate the outputs for 2 seconds only.

PROGRAMMING SEQUENCE:

P64E 2E toggles the option ON and OFF
  P64E 2E OFF: Day Mode outputs are ON while the zone is unsealed
  P64E 2E ON: Day Mode outputs are ON for 2 seconds only

MONITOR ZONES ENTRY DELAY 2

Monitor zones can either have the delay types set by options P40E–P43E or they can all be assigned to have Entry Delay 2. This allows all Monitor zones to be programmed with the same entry delay time.

PROGRAMMING SEQUENCE:

P64E 3E toggles the option ON and OFF
  P64E 3E OFF: Monitor zones behave as programmed by P40E–P43E
  P64E 3E ON: Monitor zones all have Entry Delay 2

ARM/DISARM CHIRPS

If this option is selected the Siren and Strobe Outputs will "Chirp" when the panel is Armed and Disarmed with the Keyswitch or Radio Keys.

The panel will make 1 Chirp on Arming, and 3 Chirps on Disarming.

PROGRAMMING SEQUENCE:

P64E 4E toggles the option ON and OFF
  P64E 4E OFF: No Arm/Disarm chirps
  P64E 4E ON: Siren & Strobe outputs will chirp on arm/disarm
**PROGRAMMING**

**50Hz MAINS FREQUENCY**
Selects either 50Hz or 60Hz mains power frequency operation. Leave the factory default for use in Australia and New Zealand. Users in North America should select 60Hz mains frequency.

Required for the accurate timing of dialler test reports (if programmed). It has no effect on local or other dialler operations.

**PROGRAMMING SEQUENCE:**
- **P64E 5E** toggles the option ON and OFF
- P64E 5E OFF: 60Hz mains frequency
- P64E 5E ON: 50Hz mains frequency

**DOUBLE KEY KEYPAD PANIC**
This option allows the Keypad Panic alarm to be triggered by pressing both Panic buttons together.

**NOTE:** [User Code] always triggers Keypad Panic

**PROGRAMMING SEQUENCE:**
- **P64E 6E** toggles the option ON and OFF
- P64E 6E OFF: No double key Keypad Panic
- P64E 6E ON: Double key Keypad Panic enabled

**KEYPAD FIRE ALARM**
This option enables the Keypad Fire Alarm. Pressing 3 and then 5 activates the dialler and reports a Fire Alarm and triggers the siren. The “Fire Alarm” siren sound is different to the normal alarm siren sound.

**PROGRAMMING SEQUENCE:**
- **P64E 7E** toggles the option ON and OFF
- P64E 7E OFF: No Keypad Fire Alarm
- P64E 7E ON: Keypad Fire Alarm enabled

**KEYPAD MEDICAL ALARM**
This option enables the Keypad Medical Alarm. Pressing 2 and then 5 activates the dialler and reports a Medical Alarm.

**PROGRAMMING SEQUENCE:**
- **P64E 8E** toggles the option ON and OFF
- P64E 8E OFF: No Keypad Medical Alarm
- P64E 8E ON: Keypad Medical Alarm enabled
PROGRAMMING

SUPERVISED RADIO ZONES
This option assigns zones that will operate as Radio Supervised types.
Supervised signals failure is reported (as per the P66E output options) when no
signal is received from a Radio Supervision Zone for the Supervision Time
P67E.

Radio Supervision for any zone is not enabled unless a Radio PIR is assigned
to the zone, (P01E–P08E).

PROGRAMMING SEQUENCE:
- P65E [Zone No]E toggles the options ON and OFF
  - P65E [Zone No]E OFF: The zone is not a Supervised Radio zone
  - P65E [Zone No]E ON: The zone is a Supervised Radio zone

FACTORY DEFAULT:
all OFF: No Radio Supervision zones

NOTES:
• OE will turn all selections OFF
• MEMORY E will turn all selections ON

RELATED OPTIONS:
P66E 1E–6E Radio Supervision Alerts
P67E Radio Supervision Time
P01E–P08E Programming Radio Devices

RADIO SUPERVISION ALERTS, SUPERVISION TIME SPEEDUP
See pages 32–33

SUPERVISION TIME
The SUPERVISION TIME is the time allowed between radio transmissions
received by the ET8 from any Supervised E-Tech Radio PIR (100–663).
The SUPERVISION TIME setting is from 01 to 24 hours.

PROGRAMMING SEQUENCE:
- P67E existing time is displayed [ENTER NEW TIME] E new time is displayed

EXAMPLE: To program SUPERVISION TIME to be 4 hours:
P67E 04E

RADIO SUPERVISION
The purpose of Radio Supervision is to verify the correct operation of
E-Tech Radio PIRs. The Supervision signal from the Radio PIR tells the
panel that the device has not been removed from radio range and is
in working order.

Non-SUPERVISION Radio PIRs can also be programmed and used
with the ET8 SUPERVISION TIMERS.

A non-SUPERVISION enabled Radio PIR will transmit signals to the
ET8 only when it has detected an event. Obviously, there is no
guaranteed signal period.

In either case, when the allowed time limit is exceeded then a
WARNING is first given (if programmed by P66E 3E), and then after 1
minute, the programmed RADIO SUPERVISION ALERTS are
generated by the ET8.

NOTE: Manually Excluding a Supervised Zone will also disable Radio
Supervision for that zone.

See Page 56 for
Radio Device programming
PROGRAMMING

**P66E 1E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision Reset output disabled

**NOTES:**
- RELATED OPTIONS:
  - P65E Supervised Radio Zones

**PROGRAMMING SEQUENCE:**
P66E 1E toggles the option ON and OFF
P66E 1E OFF: Supervision Reset output disabled
P66E 1E ON: Supervision Reset output enabled

**P66E 2E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision Strobe output disabled

**NOTES:**
- RELATED OPTIONS:
  - P65E Supervised Radio Zones

**PROGRAMMING SEQUENCE:**
P66E 2E toggles the option ON and OFF
P66E 2E OFF: Supervision Strobe output disabled
P66E 2E ON: Supervision Strobe output enabled

**P66E 3E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision Keypad Sonalert disabled

**NOTES:**
- When this option is turned ON, it delays the operation of all other selected Supervision outputs by one minute.
- RELATED OPTIONS:
  - P65E Supervised Radio Zones

**PROGRAMMING SEQUENCE:**
P66E 3E toggles the option ON and OFF
P66E 3E OFF: Supervision Keypad Sonalert disabled
AND all Supervision outputs trigger instantly
P66E 3E ON: Supervision Keypad Sonalert enabled
AND all Supervision outputs are delayed by 1 minute

**RADIO SUPERVISION ALERTS – RESET OUTPUT**

Setting this option turns the Reset output ON when a SUPERVISED RADIO alert occurs. The Reset output will remain ON for the duration of the ALARM TIME (Set by Option P29E).

**PROGRAMMING SEQUENCE:**
P66E 1E toggles the option ON and OFF
P66E 1E OFF: Supervision Reset output disabled
P66E 1E ON: Supervision Reset output enabled

**RADIO SUPERVISION ALERTS – STROBE OUTPUT**

Setting this option turns the Strobe output ON when a SUPERVISED RADIO alert occurs. The Strobe output will remain ON until the panel is disarmed.

**PROGRAMMING SEQUENCE:**
P66E 2E toggles the option ON and OFF
P66E 2E OFF: Supervision Strobe output disabled
P66E 2E ON: Supervision Strobe output enabled

**RADIO SUPERVISION ALERTS – KEYPAD SONALER & DELAY ALL SUPERVISION OUTPUTS**

Setting this option turns the Keypad Sonalert ON when a SUPERVISED RADIO alert occurs. The Keypad Sonalert remains ON until any keypad key is pressed. Also, turning this option ON makes all Supervision outputs delayed by one minute.

**PROGRAMMING SEQUENCE:**
P66E 3E toggles the option ON and OFF
P66E 3E OFF: Supervision Keypad Sonalert disabled
AND all Supervision outputs trigger instantly
P66E 3E ON: Supervision Keypad Sonalert enabled
AND all Supervision outputs are delayed by 1 minute
**PROGRAMMING**

**RADIO SUPERVISION ALERTS – SIREN OUTPUT**
Setting this option turns the Siren output ON when a SUPERVISED RADIO alert occurs. The Siren output will remain ON for the duration of the ALARM TIME (Set by Option P29E).

**PROGRAMMING SEQUENCE:**
- **P66E 4E** toggles the option ON and OFF
  - P66E 4E OFF: Supervision Siren output disabled
  - P66E 4E ON: Supervision Siren output enabled

**FACTORY DEFAULT:**
OFF: Supervision Siren output disabled

**NOTES:**
- RELATED OPTIONS: P65E

---

**P66E 5E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision AUX1 output disabled

**NOTES:**
- AUX1 output is Pin1 on the J3 header on the main board
- RELATED OPTIONS: P65E

---

**P66E 6E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision AUX2 output disabled

**NOTES:**
- AUX2 output is Pin2 on the J3 header on the main board
- RELATED OPTIONS: P65E

---

**P66E 7E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision Time normal

**NOTES:**
- RELATED OPTIONS:
  - P67E Supervision Time
  - P66E 8E Supervision Time speedup x10

---

**P66E 8E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: Supervision Time normal

**NOTES:**
- RELATED OPTIONS:
  - P67E Supervision Time
  - P66E 7E Supervision Time speedup x6
- P66E 7E & 8E are normally only used for Supervision testing purposes

---

**SUPERVISION TIME SPEEDUP X6**
Setting this option speeds up the Supervision Time by 6. For instance if P67E is set to 1 hour (60 minutes), then this option will reduce it to 10 minutes. (i.e., 60 divided by 6).

**PROGRAMMING SEQUENCE:**
- **P66E 7E** toggles the option ON and OFF
  - P66E 7E OFF: Supervision Time normal as set by P67E
  - P66E 7E ON: Supervision Time speedup x6

**FACTORY DEFAULT:**
OFF: Supervision Time normal

**NOTES:**
- RELATED OPTIONS:
  - P66E 8E Supervision Time speedup x10

---

**SUPERVISION TIME SPEEDUP X10**
Setting this option speeds up the Supervision Time by 10. For instance if P67E is set to 1 hour (60 minutes), then this option will reduce it to 6 minutes. (i.e., 60 divided by 10).

**PROGRAMMING SEQUENCE:**
- **P66E 8E** toggles the option ON and OFF
  - P66E 8E OFF: Supervision Time normal as set by P67E
  - P66E 8E ON: Supervision Time speedup x10

**FACTORY DEFAULT:**
OFF: Supervision Time normal

**NOTES:**
- If both P66E 7E and 8E are both ON then the Supervision time is sped up by 60. For instance if P67E is set to 1 hour (60 minutes), then this option will reduce it to 1 minute. (i.e., 60 divided by 60).
### 3K3 Zone Resistors

Setting this option ON changes the Zone 1 to Zone 8 (and External Tamper) monitoring resistor from 2K2 to 3K3.

**PROGRAMMING SEQUENCE:**

- **P68E 2E** toggles the option ON and OFF
  - P68E 2E OFF: 3K3 zone resistors disabled
  - P68E 2E ON: 3K3 zone resistors enabled

**FACTORY DEFAULT:**
- OFF: No 3K3 zone resistors

**NOTES:**
- The 3K3 zone resistor option is useful when installing the panel in a site pre-wired with 3K3 resistors
- If Zone 8 is converted to a keyswitch input then a 2K2 monitoring resistor is always used

### Radio Key Panic Toggles AUX1

Setting this option ON changes the action of the Radio Key Panic button so that the AUX1 output is toggled ON and OFF. (Each press on Panic toggles the state of AUX1 between ON and OFF).

If a 4 Button Key is used then this option can be used with the 4th key instead of the Panic key (using P68E 7E). This then allows the Panic key to still activate Panic reports.

**PROGRAMMING SEQUENCE:**

- **P68E 3E** toggles the option ON and OFF
  - P68E 3E OFF: Radio Key Panic to AUX1 disabled
  - P68E 3E ON: Radio Key Panic toggles AUX1

**FACTORY DEFAULT:**
- OFF: Radio Key Panic to AUX1 disabled

**NOTES:**
- When this option is selected ON, the Radio Key Panic function is disabled.
- If P68E 3E and 4E are both selected ON, then 4E has priority.

### Radio Key Panic Pulses AUX1

Setting this option ON changes the action of the Radio Key Panic button so that the AUX1 output is pulsed ON for 2 seconds. (That is; momentary ON for 2 sec).

If a 4 Button Key is used then this option can be used with the 4th key instead of the Panic key (using P68E 7E). This then allows the Panic key to still activate Panic reports.

**PROGRAMMING SEQUENCE:**

- **P68E 4E** toggles the option ON and OFF
  - P68E 4E OFF: Radio Key Panic triggers control panel Panic
  - P68E 4E ON: Radio Key Panic pulses AUX1

**FACTORY DEFAULT:**
- OFF: Radio Key Panic to AUX1 disabled
PROGRAMMING

RADIO KEY ARMING, UNSEALED ZONE WARNING
Setting this option ON allows a 2 second SIREN warning if there is an unsealed zone in an Area Armed by a Radio Key.

PROGRAMMING SEQUENCE:
- \texttt{P68E 5E} toggles the option ON and OFF
  - P68E 5E OFF: Radio Key arming, siren warning disabled
  - P68E 5E ON: Radio Key arming, siren warning enabled

24HR ZONE FIRE SIREN SOUND
This option changes the siren sound when a 24hr zone is triggered.

PROGRAMMING SEQUENCE:
- \texttt{P68E 6E} toggles the option ON and OFF
  - P68E 6E OFF: Fire siren sound disabled
  - P68E 6E ON: Fire siren sound enabled

4th BUTTON RADIO KEY FOR AUX1
E-Tech 4 Button Radio Key only – this option changes P68E 3E and 4E to work with the 4th Button of a 4 Button Radio Key instead of the PANIC button.

PROGRAMMING SEQUENCE:
- \texttt{P68E 7E} toggles the option ON and OFF
  - P68E 7E OFF: 4th button Radio Key for AUX1 disabled
  - P68E 7E ON: 4th button Radio Key for AUX1 enabled

QUIET CHIRPS ON ARM/DISARM
This quietens the siren chirps that are made whenever keyswitch or radio key Arming or Disarming is used.

(Arm/Disarm Chirps must be enabled at P64E 4E).

PROGRAMMING SEQUENCE:
- \texttt{P68E 8E} toggles the option ON and OFF
  - P68E 8E OFF: Quiet Chirps disabled
  - P68E 8E ON: Quiet Chirps enabled

\begin{tabular}{|c|}
  \hline
  \textbf{P68E 5E} \\
  \hline
  PROGRAM MODE LEVEL: \\
  Installer, Remote by PC \\
  FACTORY DEFAULT: \\
  OFF: Radio Key siren warning disabled \\
  NOTES: \\
  - \end{tabular}

\begin{tabular}{|c|}
  \hline
  \textbf{P68E 6E} \\
  \hline
  PROGRAM MODE LEVEL: \\
  Installer, Remote by PC \\
  FACTORY DEFAULT: \\
  OFF: No 24hr Fire siren sound \\
  NOTES: \\
  - The keypad key sequence for FIRE (3 E) always outputs the FIRE siren sound \\
  \end{tabular}

\begin{tabular}{|c|}
  \hline
  \textbf{P68E 7E} \\
  \hline
  PROGRAM MODE LEVEL: \\
  Installer, Remote by PC \\
  FACTORY DEFAULT: \\
  OFF: 4th button for AUX1 disabled \\
  NOTES: \\
  - RELATED OPTIONS: \\
    - P68E 3E & 4E Radio Key Panic to AUX1 \\
  \end{tabular}

\begin{tabular}{|c|}
  \hline
  \textbf{P68E 8E} \\
  \hline
  PROGRAM MODE LEVEL: \\
  Installer, Remote by PC \\
  FACTORY DEFAULT: \\
  OFF: Quiet Chirps disabled \\
  NOTES: \\
  - RELATED OPTIONS: \\
    - P64E 4E Arm/Disarm Chirps \\
  \end{tabular}
PROGRAMMING

**ARM1 PULSE OUTPUT**

This option selects the ARM1 output to pulse on for 2 seconds whenever arming or disarming of Area1.

(The ARM1 output normally toggles when arming/disarming).

Note also that when Arming with the P60E 8E option selected that the pulse will occur at the end of Exit Time.

**PROGRAMMING SEQUENCE:**

- P69E 1E toggles the option ON and OFF
- P69E 1E OFF: ARM1 output toggles
- P69E 1E ON: ARM1 output pulses

**ARM2 PULSE OUTPUT**

This option selects the ARM2 output to pulse on for 2 seconds whenever Arming or Disarming of Area2.

(The ARM2 output normally toggles when arming/disarming).

Note also that when Arming with the P60E 8E option selected that the pulse will occur at the end of Exit Time.

**PROGRAMMING SEQUENCE:**

- P69E 2E toggles the option ON and OFF
- P69E 2E OFF: ARM2 output toggles
- P69E 2E ON: ARM2 output pulses

**QUIET MONITOR SIREN**

This option selects the ‘Quiet Siren’ sound in Monitor Mode.

The Quiet Siren sound is a continuous “beep beep beep” sound rather than the normal siren sound.

**PROGRAMMING SEQUENCE:**

- P69E 3E toggles the option ON and OFF
- P69E 3E OFF: Normal siren sound in Monitor Mode
- P69E 3E ON: Quiet Siren sound in Monitor Mode
**PROGRAMMING**

### 6 BEEPS ON ARMING

Normally the keypad/s onboard SONALERT gives 3 beeps when the ET8 is Armed. Turning this option ON will give 6 keypad beeps when Arming.

**PROGRAMMING SEQUENCE:**

- **P69E 4E** toggles the option ON and OFF
  - P69E 4E OFF: Keypad gives 3 beeps on Arming
  - P69E 4E ON: Keypad gives 6 beeps on Arming

**FACTORY DEFAULT:**
- OFF: Keypad gives 3 beeps on Arming

**NOTES:**
- The keypad beeps on Arm/Disarm when Arming/Disarming by keypad, keyswitch or by Radio Key

---

### RADIO KEY MONITOR ARMING

Setting this option on allows a double press of a Radio Key OFF button to ARM the ET8 in MONITOR mode.

(Requires two presses of the Radio Key OFF button within 4 seconds).

**PROGRAMMING SEQUENCE:**

- **P69E 5E** toggles the option ON and OFF
  - P69E 5E OFF: Radio Key Monitor Mode Arming disabled
  - P69E 5E ON: Radio Key Monitor Mode Arming enabled

**FACTORY DEFAULT:**
- OFF: Radio Keys cannot Arm Monitor Mode

**NOTES:**
-
PROGRAMMING

**TELEPHONE NUMBERS 1 & 2**
The ET8 can dial up to 2 phone numbers when an event is to be transmitted to a remote location. Telephone numbers may be up to 15 digits long.

**PROGRAMMING SEQUENCE:**
- **P70E** existing telephone number is displayed
- **[ENTER NEW TELEPHONE No]** E new telephone number is displayed

**EXAMPLE:** To program Telephone No.1 to be 03 1234 1234:
- P70E 0312341234E

**SPECIAL FUNCTIONS FOR ALL TELEPHONE NUMBERS**
To clear a telephone number, enter the MEMORY key in place of the telephone number. Example, to clear a Telephone Number 1 press: P70E MEMORY E

**SPECIAL CHARACTERS** (Applies to all telephone Numbers)
- Pauses, * (star) or # (hash) (VF digits) can be included in the dialling sequence by using the keys in the table below.

<table>
<thead>
<tr>
<th>SPECIAL CHARACTER</th>
<th>KEY ENTRY</th>
<th>DISPLAYED ON LCD DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAUSE (1.6sec)</td>
<td>ARM Key</td>
<td>12</td>
</tr>
<tr>
<td>* (Star)</td>
<td>MONITOR Key</td>
<td>10</td>
</tr>
<tr>
<td># (Hash)</td>
<td>EXCLUDE Key</td>
<td>11</td>
</tr>
</tbody>
</table>

**ACCOUNT NUMBER 1 & 2**
Account numbers for identifying the panel to the Central Station. Area 1 Open/Close reports will report on Account No.1 and Area 2 Open/Close reports will report on Account No.2.

Zone Alarms can be assigned to report on either Account Number as set by Option P79E.

All miscellaneous events (eg. Tampers, Mains Fail) will report on Account No. 1.

**PROGRAMMING SEQUENCE:**
- **P72E** (or P73E) existing account number is displayed
- **[ENTER NEW ACCOUNT No]** E new account number is displayed

**EXAMPLE:** To program Account No.1 to be 1239:
P72E1239E

---

**OPTION No** | **DESCRIPTION** | **FACTORY DEFAULT**
---|---|---
P70E | Telephone Number 1 - Primary | none
P71E | Telephone Number 2 - Secondary | none
P80E | Telephone Number 3 - Test Calls | none
P81E | Telephone Number 4 - Callback for Up/download | none
P00E | Follow Me Telephone Number - For Audible Dialling | none

**OPTION No** | **DESCRIPTION** | **FACTORY DEFAULT**
P72E | Account Number 1 | 0000
P73E | Account Number 2 | 0000

---

**P70E, P71E**
**PROGRAM MODE LEVEL:** Installer, Remote by PC
**FACTORY DEFAULT:** No telephone numbers

**NOTES:**
- If telephone number 2 is disabled, all calls are made on telephone number 1 and the setting of P87E 1E has no effect.
- If telephone number 3 is disabled, all test calls are made on telephone number 1 & 2
- Any keypress will stop the telephone number display sequence
- **RELATED OPTIONS:**
  - P87E 1E Alternate Primary/Secondary telephone numbers
  - P86E 1E Disable dialler (still allows remote up/download if programmed)

**P72E, P73E**
**PROGRAM MODE LEVEL:** Installer, Remote by PC
**FACTORY DEFAULT:** P72E Account No.1: 0000
P73E Account No.2: 0000

**NOTES:**
- **RELATED OPTIONS:**
  - P79E Account No.2 zones
PROGRAMMING

TELEPHONE NUMBER 3 – TEST CALLS
Phone Number 3 is used to send Test Calls. If it is not programmed then Test Calls are sent using Telephone No 1 & 2.

PROGRAMMING SEQUENCE:
P80E existing telephone number is displayed
[ENTER NEW TELEPHONE No] E new telephone number is displayed

EXAMPLE: To program Telephone No.3 to be 03 2468 1234:
P70E0324681234E

TELEPHONE NUMBER 4 – CALLBACK
Phone Number 4 is used for upload/download. Prevents unauthorised up/download – the panel will dial the callback telephone number to commence an up/download session.

Up/download without callback is allowed by turning off option P90E 8E.

PROGRAMMING SEQUENCE:
P81E existing telephone number is displayed
[ENTER NEW TELEPHONE No] E new Telephone No.4 is displayed

EXAMPLE: To program Telephone No.4 to be 02 8825 1234:
P70E0288251234E

FOLLOW ME TELEPHONE NUMBER
The Follow Me telephone number is only used in Audible Dialling mode. (P86E 3E, 4E, 5E or 6E are on).

The Follow Me telephone number can be programmed in User Program Mode. If the Follow Me number is programmed, then the primary & secondary numbers are ignored.

PROGRAMMING SEQUENCE:
P00E existing telephone number is displayed
[ENTER NEW TELEPHONE No] E new telephone number is displayed

EXAMPLE: To program Telephone No.4 to be 02 8825 1234:
P70E0288251234E
REPORT ZONE ALARMS

This option selects which zone inputs will send Alarm reports to the Central Station.

PROGRAMMING SEQUENCE:

- P74E [Zone No]E toggles the option ON and OFF
  - P74E 1E–8E OFF: Alarm reporting disabled for that zone
  - P74E 1E–8E ON: Alarm reporting enabled for that zone

REPORT ZONE RESTORALS

This option selects which zone inputs will send Restoral reports to the Central Station. Only zones that have previously sent an Alarm will send a Restoral.

PROGRAMMING SEQUENCE:

- P76E [Zone No]E toggles the option ON and OFF
  - P76E 1E–8E OFF: Restoral reporting disabled for that zone
  - P76E 1E–8E ON: Restoral reporting enabled for that zone

REPORT MULTIPLE ZONE ALARMS

Zones selected for Multiple Zone Alarms will report each time the zone alarms and without a restore being sent. The number of reports is a maximum of 15. The number of alarms sent for each Multiple Zone Alarm can be reduced to 3 by using the swinger shutdown option P89E 4E.

- Zones not selected report only once, until reset by an opening or a valid code.

PROGRAMMING SEQUENCE:

- P78E [Zone No]E toggles the option ON and OFF
  - P78E 1E–8E OFF: Multiple Zone Alarms disabled for that zone
  - P78E 1E–8E ON: Multiple Zone Alarms enabled for that zone

ACCOUNT NO.2 ZONES

Zones selected to be Account No.2 zones will report their Alarms, Restorals and Excludes on Client code 2.

PROGRAMMING SEQUENCE:

- P79E [Zone No]E toggles the option ON and OFF
  - P79E 1E–8E OFF: Multiple Zone Alarms disabled for that zone
  - P79E 1E–8E ON: Multiple Zone Alarms enabled for that zone
REPORT MISCELLANEOUS ALARMS

REPORT MISCELLANEOUS RESTORALS

These options select which Miscellaneous alarms will trigger the dialler to send Alarm reports and Restoral reports to the Central Station.

Alarms (if enabled) are sent on activation. Restorals (if enabled) are sent on Opening. Mains Fail and Low Battery Restorals are sent when the power has been restored.

PROGRAMMING SEQUENCE:

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P75E</td>
<td>Report Misc. Alarms 1–8</td>
</tr>
<tr>
<td>P77E</td>
<td>Report Misc. Restorals 1–8</td>
</tr>
</tbody>
</table>

ON = Factory default setting.

P75E, P92E

REPORT MISCELLANEOUS ALARMS

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
see table

NOTES:
- OE will turn all selections OFF
- MEMORY E will turn all selections ON

P77E, P93E

REPORT MISCELLANEOUS RESTORALS

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
see table

NOTES:
- Mains Fail and Low Battery Restorals are sent when the power has been restored
- OE will turn all selections OFF
- MEMORY E will turn all selections ON

P82E 1E–4E

PROGRAM MODE LEVEL:
Installer, Remote by PC

FACTORY DEFAULT:
4E, ON: Always send Restoral on Disarm

NOTES:
- RELATED OPTIONS:
  P76E Report zone restorals

REPORT MISCELLANEOUS ALARMS

REPORT MISCELLANEOUS RESTORALS

PROGRAMMING SEQUENCE:

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P82E</td>
<td>Zone Restoral reporting options</td>
</tr>
</tbody>
</table>

ON = Factory default setting.

MISCELLANEOUS ALARMS:

<table>
<thead>
<tr>
<th>ALARM</th>
<th>RESTORAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penduress</td>
<td>1E</td>
</tr>
<tr>
<td>E2</td>
<td>Medical</td>
</tr>
<tr>
<td>3E</td>
<td>Keypad &amp; K/Switch Panic</td>
</tr>
<tr>
<td>4E</td>
<td>Fire</td>
</tr>
<tr>
<td>5E</td>
<td>Panel Tamper</td>
</tr>
<tr>
<td>6E</td>
<td>External Tamper</td>
</tr>
<tr>
<td>7E</td>
<td>Keypad Tamper</td>
</tr>
<tr>
<td>8E</td>
<td>Exit Install Mode</td>
</tr>
<tr>
<td>9E</td>
<td>Radio Tamper</td>
</tr>
<tr>
<td>10E</td>
<td>Radio Panic (by User)</td>
</tr>
<tr>
<td>11E</td>
<td>Radio Low Battery (by Device)</td>
</tr>
<tr>
<td>12E</td>
<td>Supervision Fail</td>
</tr>
<tr>
<td>13E</td>
<td>Panel Low Battery</td>
</tr>
<tr>
<td>14E</td>
<td>Mains Fail</td>
</tr>
</tbody>
</table>

P82E 1E–4E toggles the option ON and OFF

RESTORAL REPORTING OPTIONS

This option selects when the dialler sends zone Restoral reports. Only one of the following options may be selected.

Restoral reporting options also apply to 24hr zones.

PROGRAMMING SEQUENCE:

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P82E 1E–4E</td>
<td>toggles the option ON and OFF</td>
</tr>
<tr>
<td>P82E 1E</td>
<td>Send Restoral immediately</td>
</tr>
<tr>
<td>P82E 2E</td>
<td>Send Restoral after siren time</td>
</tr>
<tr>
<td>P82E 3E</td>
<td>Send Restoral on Disarm &amp; seal</td>
</tr>
<tr>
<td>P82E 4E</td>
<td>Send Restoral on Disarm always</td>
</tr>
</tbody>
</table>
**PROGRAMMING**

### P83E

**PROGRAM MODE LEVEL:** Installer, Remote by PC  
**FACTORY DEFAULT:** 84 (=168hrs =7 days)  
**NOTES:**  
- Enter a value from 1 to 99  
- RELATED OPTIONS:  
  - P89E 1E Enable Test Calls  
  - P84E Time Before Next Test Call

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>DEFAULT</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P83E</td>
<td>Test Call Interval</td>
<td>84</td>
<td>x2 = 168hrs (7 days)</td>
</tr>
<tr>
<td>P84E</td>
<td>Time Before Next Test Call</td>
<td>6</td>
<td>x2 = 12hrs</td>
</tr>
</tbody>
</table>

### TEST CALL INTERVAL

Test calls to the Central Station can be sent at intervals between 2 and 198 hours in 2 hour increments. Programmable from 2 to 198 Hours. Enter a value between 1 and 99. (This is automatically multiplied by 2).

Test Calls must be enabled by option P89E 1E.

**PROGRAMMING SEQUENCE:**

- P83E existing Test Call Interval time is displayed  
- **[ENTER NEW TIME]** E new Test Call Interval time is displayed

**EXAMPLE:** To program daily test calls:  
P83E12E

### TIME BEFORE NEXT TEST CALL

This option sets the time before the next Test Call and is used to set the preferred time for Test Calls. Programmable from 2 to 198 Hours. Enter a value between 1 and 99. (This is automatically multiplied by 2).

**EXAMPLES:**

- **A/ New Installation:** Set the time before the first test call.  
  E.g., If you are programming the panel at 5pm and you want test calls to be sent at 1am. Enter P84E 4E (4 x 2 =8hrs. Therefore 5pm + 8hrs =1am).

- **B/ Existing Installation:** To reset the time that test calls are sent.  
  E.g., Our example panel is sending test calls at 1am and you want to change it to 2am. If you are programming the panel at 6pm, enter P84E 4E (4 x 2 =8hrs. Therefore 6pm + 8hrs =2am).

**PROGRAMMING SEQUENCE:**

- P84E existing Time Before Next Test Call is displayed  
- **[ENTER NEW TIME]** E new Time Before Next Test Call is displayed

### P84E

**PROGRAM MODE LEVEL:** Installer, Remote by PC  
**FACTORY DEFAULT:** 6 (=12hrs)  
**NOTES:**  
- Enter a value from 1 to 99  
- If Test Calls are to start immediately, then the value is set to 0.  
- The Time Before Next Test Call is constantly updated. When viewed, the current value will be displayed (not the initially entered value).  
- RELATED OPTIONS:  
  - P89E 1E Enable Test Calls  
  - P83E Test Call interval

### P85E 1E–3E

**PROGRAM MODE LEVEL:** Installer, Remote by PC  
**FACTORY DEFAULT:** 1E, ON: Auto Dialling Method  
**NOTES:**  
- Only one option is allowed to be ON

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>1E</th>
<th>2E</th>
<th>3E</th>
<th>4E</th>
<th>5E</th>
<th>6E</th>
<th>7E</th>
<th>8E</th>
</tr>
</thead>
<tbody>
<tr>
<td>P85E</td>
<td>Dialling Method</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DIALLING METHOD**

The dial format is determined by the detected Dial Tone. By default, if no dial tone is detected after looping the line then the dialler will attempt to dial regardless alternating between PULSE (Decadic) first and then DTMF dialling.

**PROGRAMMING SEQUENCE:**

- P85E 1E–3E turns the option ON  
- P85E 1E: Auto Dialling (PULSE or DTMF)  
- P85E 2E: Pulse Dialling always  
- P85E 3E: DTMF Dialling always
PROGRAMMING

P86E 1E

DISABLE DIALLER
This option disables the dialler even if telephone numbers and other dialler options are programmed.

PROGRAMMING SEQUENCE:
- P86E 1E turns the option ON
- P86E 1E ON: Dialler disabled

CONTACT ID FORMAT
This option enables the reporting of alarms to a Central station via telephone numbers 1 & 2 using Contact ID format.

PROGRAMMING SEQUENCE:
- P86E 2E turns the option ON
- P86E 2E ON: Contact ID format enabled

AUDIBLE DTMF FORMAT
For Audible Monitoring to any telephone or mobile phone. The last digit of the Account number and the zone alarm are sent in Audible DTMF format.

PROGRAMMING SEQUENCE:
- P86E 3E turns the option ON
- P86E 3E ON: Audible DTMF format enabled

AUDIBLE PULSE FORMAT
For Audible Monitoring to any telephone or mobile phone. The last digit of the Account number and the zone alarm are sent in Audible PULSE format.

PROGRAMMING SEQUENCE:
- P86E 4E turns the option ON
- P86E 4E ON: Audible PULSE format enabled
PROGRAMMING

CONTACT ID + AUDIBLE DTMF FORMAT
For simultaneous Central Station and Audible Monitoring. The alarm message will be sent to the Central Station on the Primary telephone number and then in audible DTMF format to the Follow Me telephone number.

PROGRAMMING SEQUENCE:
P86E 5E turns the option ON
P86E 5E ON: Contact ID + Audible DTMF format enabled

CONTACT ID + AUDIBLE PULSE FORMAT
For simultaneous Central Station and Audible Monitoring. The alarm message will be sent to the Central Station on the Primary telephone number and then in audible PULSE format to the Follow Me telephone number.

PROGRAMMING SEQUENCE:
P86E 6E turns the option ON
P86E 6E ON: Contact ID + Audible PULSE format enabled

CONTACT ID CODES TABLE

<table>
<thead>
<tr>
<th>ALARM EVENT</th>
<th>ACCOUNT NUMBER</th>
<th>Q</th>
<th>XYZ</th>
<th>GG</th>
<th>CCC</th>
<th>SUFFIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zones 1—8 Alarm</td>
<td>AAAA</td>
<td>Q</td>
<td>130</td>
<td>GG</td>
<td>001-008</td>
<td>k</td>
</tr>
<tr>
<td>Duress</td>
<td>AAAA</td>
<td>Q</td>
<td>121</td>
<td>01</td>
<td>030</td>
<td>k</td>
</tr>
<tr>
<td>Keyswitch Panic</td>
<td>AAAA</td>
<td>Q</td>
<td>120</td>
<td>01</td>
<td>031</td>
<td>k</td>
</tr>
<tr>
<td>Keypad Panic</td>
<td>AAAA</td>
<td>Q</td>
<td>120</td>
<td>01</td>
<td>032</td>
<td>k</td>
</tr>
<tr>
<td>Radio Key Panic</td>
<td>AAAA</td>
<td>Q</td>
<td>120</td>
<td>01</td>
<td>by User</td>
<td>k</td>
</tr>
<tr>
<td>Medical Alarm</td>
<td>AAAA</td>
<td>Q</td>
<td>100</td>
<td>01</td>
<td>033</td>
<td>k</td>
</tr>
<tr>
<td>Fire</td>
<td>AAAA</td>
<td>Q</td>
<td>110</td>
<td>01</td>
<td>034</td>
<td>k</td>
</tr>
<tr>
<td>Exit Install mode</td>
<td>AAAA</td>
<td>Q</td>
<td>306</td>
<td>01</td>
<td>035</td>
<td>k</td>
</tr>
<tr>
<td>External Tamper</td>
<td>AAAA</td>
<td>Q</td>
<td>137</td>
<td>01</td>
<td>040</td>
<td>k</td>
</tr>
<tr>
<td>Internal Tamper</td>
<td>AAAA</td>
<td>Q</td>
<td>137</td>
<td>01</td>
<td>041</td>
<td>k</td>
</tr>
<tr>
<td>Keypad Tamper</td>
<td>AAAA</td>
<td>Q</td>
<td>137</td>
<td>01</td>
<td>042</td>
<td>k</td>
</tr>
<tr>
<td>Radio Sensor Tamper</td>
<td>AAAA</td>
<td>Q</td>
<td>383</td>
<td>01</td>
<td>by Device</td>
<td>k</td>
</tr>
<tr>
<td>Test Report</td>
<td>AAAA</td>
<td>Q</td>
<td>602</td>
<td>01</td>
<td>063</td>
<td>k</td>
</tr>
<tr>
<td>Mains Fail</td>
<td>AAAA</td>
<td>Q</td>
<td>301</td>
<td>01</td>
<td>050</td>
<td>k</td>
</tr>
<tr>
<td>Panel Battery Fail</td>
<td>AAAA</td>
<td>Q</td>
<td>309</td>
<td>01</td>
<td>051</td>
<td>k</td>
</tr>
<tr>
<td>Open</td>
<td>AAAA</td>
<td>Q</td>
<td>402</td>
<td>GG</td>
<td>by User</td>
<td>k</td>
</tr>
<tr>
<td>Close</td>
<td>AAAA</td>
<td>Q</td>
<td>402</td>
<td>GG</td>
<td>by User</td>
<td>k</td>
</tr>
<tr>
<td>Cancel</td>
<td>AAAA</td>
<td>Q</td>
<td>406</td>
<td>GG</td>
<td>by User</td>
<td>k</td>
</tr>
<tr>
<td>Zones 1—8 Manual Exclude</td>
<td>AAAA</td>
<td>Q</td>
<td>573</td>
<td>GG</td>
<td>001-008</td>
<td>k</td>
</tr>
<tr>
<td>Zones 1—8 Auto Exclude</td>
<td>AAAA</td>
<td>Q</td>
<td>380</td>
<td>GG</td>
<td>001-008</td>
<td>k</td>
</tr>
</tbody>
</table>

The ET8 reports alarms to the Central Station using Contact ID dialler format. The message format is fixed as shown in the Contact ID Codes Table.

The message takes the form of:
AAAA – Account Number (P72E)
Q – Event qualifier
XYZ – Alarm type
GG – Group or Area designation
CCC – Alarm number
Suffix – Event checksum

The ET8 reports alarms to the Central Station on the Primary telephone number and then in audible DTMF format to the Follow Me telephone number.

Notes:
- Only one option in the range P86E 1E—6E is allowed to be ON
**PROGRAMMING**

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
<th>1E</th>
<th>2E</th>
<th>3E</th>
<th>4E</th>
<th>5E</th>
<th>6E</th>
<th>7E</th>
<th>8E</th>
</tr>
</thead>
<tbody>
<tr>
<td>P87E</td>
<td>Miscellaneous Dialling Options</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

ON = Factory default setting.

**SPLIT DIAL PRIMARY/SECONDARY PHONE NUMBERS**

This option selects the order in which Telephone numbers 1 & 2 are dialled.

**PROGRAMMING SEQUENCE:**

- **P87E 1E** toggles the option **ON and OFF**
- **P77E 1E OFF:** Alternate Dial
  - Dial Telephone No.1 on the first attempt. If no answer, dial Telephone No.2. Continue alternating until successful.

- **P87E 1E ON:** Split Dial
  - Dial Telephone No.1 for half of the call attempts. If unsuccessful, dial Telephone No.2 for the last half of call attempts.

**CHECK FOR DIAL TONE**

The dialler normally dials only if a dial tone is detected. The dialler can be forced to dial without a dial tone. Allows use on PABXs with non-standard dial tones.

**PROGRAMMING SEQUENCE:**

- **P87E 2E** toggles the option **ON and OFF**
- **P77E 2E OFF:** Dial without dial tone
- **P87E 2E ON:** Dial only with dial tone

**NUMBER OF DIALLING ATTEMPTS**

Sets the number of dialling attempts when sending reports.

ON: allows a maximum of 4 dial attempts before a 5 minute sleep and 4 more retries if unsuccessful.

OFF: sets a maximum 10 dial attempts before a 5 minute sleep and 10 more retries if unsuccessful.

If all attempts fail the dialler waits for the next trigger event. The previously unsuccessful report will be included in the new message.

**PROGRAMMING SEQUENCE:**

- **P87E 4E** toggles the option **ON and OFF**
- **P77E 4E OFF:** Maximum 10 dialling attempts
- **P87E 4E ON:** Maximum 4 dialling attempts
### PROGRAMMING

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>1E</th>
<th>2E</th>
<th>3E</th>
<th>4E</th>
<th>5E</th>
<th>6E</th>
<th>7E</th>
<th>8E</th>
</tr>
</thead>
<tbody>
<tr>
<td>P88E</td>
<td>Open/Close reporting options</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

ON = Factory default setting.

#### P88E 1E

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** OFF: No AREA1 Open/Close reports

**NOTES:**

<table>
<thead>
<tr>
<th>PROGRAMMING SEQUENCE:</th>
<th>AREA1 OPEN/CLOSE REPORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P88E 1E OFF</td>
<td>No AREA1 Open/Close reports</td>
</tr>
<tr>
<td>P88E 1E ON</td>
<td>AREA1 Open/Close reports enabled</td>
</tr>
</tbody>
</table>

#### P88E 2E

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** OFF: No AREA2 Open/Close reports

**NOTES:**

<table>
<thead>
<tr>
<th>PROGRAMMING SEQUENCE:</th>
<th>AREA2 OPEN/CLOSE REPORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P88E 2E OFF</td>
<td>No AREA2 Open/Close reports</td>
</tr>
<tr>
<td>P88E 2E ON</td>
<td>AREA2 Open/Close reports enabled</td>
</tr>
</tbody>
</table>

#### P88E 3E

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** OFF: No Siren Chirp on kiss-off

**NOTES:**

- RELATED OPTIONS:
  - P88E 4E Flash Strobe on kiss-off
  
<table>
<thead>
<tr>
<th>PROGRAMMING SEQUENCE:</th>
<th>SIREN CHIRP ON KISS-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>P88E 3E OFF</td>
<td>No Siren Chirp on kiss-off</td>
</tr>
<tr>
<td>P88E 3E ON</td>
<td>Siren Chirp on kiss-off enabled</td>
</tr>
</tbody>
</table>

#### P88E 4E

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** OFF: No Strobe Flash on kiss-off

**NOTES:**

- RELATED OPTIONS:
  - P88E 3E Siren Chirp on kiss-off

<table>
<thead>
<tr>
<th>PROGRAMMING SEQUENCE:</th>
<th>STROBE FLASH ON KISS-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>P88E 4E OFF</td>
<td>No Strobe Flash on kiss-off</td>
</tr>
<tr>
<td>P88E 4E ON</td>
<td>Strobe Flash on kiss-off enabled</td>
</tr>
</tbody>
</table>

AREA1 OPEN/CLOSE REPORTS

Enables or disables sending of AREA1 Open/Close reports.

The User ID of the code used is included in the report. Keyswitch Arming and Shortcut Arming are identified as User 15.

**PROGRAMMING SEQUENCE:**

- P88E 1E
  - Toggles the option ON and OFF
  - OFF: No AREA1 Open/Close reports
  - ON: AREA1 Open/Close reports enabled

AREA2 OPEN/CLOSE REPORTS

Enables or disables sending of AREA2 Open/Close reports.

**PROGRAMMING SEQUENCE:**

- P88E 2E
  - Toggles the option ON and OFF
  - OFF: No AREA2 Open/Close reports
  - ON: AREA2 Open/Close reports enabled

SIREN CHIRP ON KISS-OFF

Selects a 2 Second Siren burst on a successful Closing report. This is used to give audible indication that the dialler has successfully sent the Arming report.

**PROGRAMMING SEQUENCE:**

- P88E 3E
  - Toggles the option ON and OFF
  - OFF: No Siren Chirp on kiss-off
  - ON: Siren Chirp on kiss-off enabled

STROBE FLASH ON KISS-OFF

Selects a 2 Second Strobe on a successful Closing report. This is used to give visual indication that the dialler has successfully sent the Arming report.

**PROGRAMMING SEQUENCE:**

- P88E 4E
  - Toggles the option ON and OFF
  - OFF: No Strobe Flash on kiss-off
  - ON: Strobe Flash on kiss-off enabled
PROGRAMMING

FORCED OPENING REPORT
If Forced Opening Report is selected ON – when an alarm has been reset by a valid User Code (or Radio Key), the dialler will send an Opening report along with a restoral report for the zone or miscellaneous input which caused the alarm.

PROGRAMMING SEQUENCE:
P88E 5E toggles the option ON and OFF
P88E 5E OFF: No Forced opening Reports
P88E 5E ON: Forced opening Reports enabled

DELAY CLOSING REPORT
If selected ON, Closing reports (if enabled) are sent at the end of Exit Time. Normally, Closing reports are sent immediately on Arming.

PROGRAMMING SEQUENCE:
P88E 6E toggles the option ON and OFF
P88E 6E OFF: Closing Reports sent on Arming
P88E 6E ON: Closing Reports sent at end of Exit Time

MANUAL EXCLUDE REPORT
Enables Manual Exclude Reports for Zones 1~8. Exclude Reports for 24hr zones are sent on exiting EXCLUDE mode.

PROGRAMMING SEQUENCE:
P88E 7E toggles the option ON and OFF
P88E 7E OFF: No Manual Exclude Reports
P88E 7E ON: Manual Exclude Reports enabled

AUTO EXCLUDE REPORT
Enables Auto Exclude Reports for Zones 1~8. Zones not sealed on Arming will be reported as Auto Excluded.

PROGRAMMING SEQUENCE:
P88E 8E toggles the option ON and OFF
P88E 8E OFF: No Auto Exclude Reports
P88E 8E ON: Auto Exclude Reports enabled

P88E 5E
PROGRAM MODE LEVEL:
Installer, Remote by PC
FACTORY DEFAULT:
ON: Forced opening Reports enabled
NOTES:
• This option is used to indicate to the Central Station that an alarm has been reset by a valid user. Usually used in cases where Open/Close reports are normally selected OFF.

P88E 6E
PROGRAM MODE LEVEL:
Installer, Remote by PC
FACTORY DEFAULT:
OFF: Closing Reports sent on Arming
NOTES:
• RELATED OPTIONS:
P88E 1E AREA1 Open/Close reports
P88E 2E AREA2 Open/Close reports

P88E 7E
PROGRAM MODE LEVEL:
Installer, Remote by PC
FACTORY DEFAULT:
ON: Manual Exclude Reports enabled
NOTES:
• RELATED OPTIONS:
P88E 8E Auto Exclude Reports

P88E 8E
PROGRAM MODE LEVEL:
Installer, Remote by PC
FACTORY DEFAULT:
ON: Auto Exclude Reports enabled
NOTES:
• P88E 7E Manual Exclude Reports
**P89E 1E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
ON: Test Calls enabled

**NOTES:**
- RELATED OPTIONS:
  - P83E Test Call Interval
  - P84E Time before next Test call

**ENABLE TEST CALLS**
This option enables the reporting of dialler test calls to the Central station.

**PROGRAMMING SEQUENCE:**
- P89E 1E toggles the option ON and OFF
  - P89E 1E OFF: No Test Calls
  - P89E 1E ON: Test Calls enabled

**P89E 2E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
ON: Mains Fail report is delayed

**NOTES:**

**MAINS REPORT DELAY**
This option allows Mains Fail reports to be delayed by one hour if the mains power has been off continuously for that time. Normally, the Mains Fail report is sent immediately the power fails.

**PROGRAMMING SEQUENCE:**
- P89E 2E toggles the option ON and OFF
  - P89E 2E OFF: Mains Fail reports immediately
  - P89E 2E ON: Mains Fail report is delayed by 1 hour

**P89E 3E**

**PROGRAM MODE LEVEL:**
Installer, Remote by PC

**FACTORY DEFAULT:**
OFF: No Listen-In

**NOTES:**
- For convenient and private Listen-In, temporarily connect a spare horn speaker to the Siren output.

**LISTEN-IN TO DIALLER**
This is a diagnostic feature for installers. Listen-In is turned on for a minimum of 4 minutes after exiting Program Mode.

During Listen-In, the dialler message and other telephone tones can be heard through the Siren output (at low volume) while the dialler is sending reports. The 4 minute period is restarted whenever any key on the keypad is pressed.

To turn Listen-In off, go back into Installer Program mode and toggle the option OFF.

**PROGRAMMING SEQUENCE:**
- P89E 3E toggles the option ON and OFF
  - P89E 3E OFF: No Listen-In
  - P89E 3E ON: Listen-In enabled
SWINGER SHUTDOWN
Limits the number of calls made by a zone alarm when Multiple Zone Alarms are enabled for that zone.
If enabled, multiple reports are limited to three per zone.

PROGRAMMING SEQUENCE:
P89E 4E toggles the option ON and OFF
P89E 4E OFF: No Swinger Shutdown (unlimited multiple reports)
P89E 4E ON: Swinger Shutdown enabled (maximum 3 reports per zone)

LINE FAULT MONITOR
When this option is enabled, the telephone line is regularly tested. If the telephone line is not found, the Line light will commence flashing.

PROGRAMMING SEQUENCE:
P89E 5E toggles the option ON and OFF
P89E 5E OFF: No Line Fault Monitor
P89E 5E ON: Line Fault Monitor enabled

LINE FAULT TO AUX2
When this option is enabled, a telephone line fault condition will turn ON the AUX2 output. AUX2 will turn OFF when the telephone line is restored.

PROGRAMMING SEQUENCE:
P89E 6E toggles the option ON and OFF
P89E 6E OFF: No Line Fault output
P89E 6E ON: Line Fault to AUX2 enabled
**REMOTE ACCESS**

When selected On, this option allows the panel to be remotely upload/downloaded by a remote computer or controlled by a remote telephone. When the option is Off, the panel will not answer incoming telephone calls, preventing any type of remote access.

**PROGRAMMING SEQUENCE:**

P90E 1E toggles the option ON and OFF

- P90E 1E OFF: No Remote Access
- P90E 1E ON: Remote Access enabled

**DIRECT CONNECT**

This allows a direct connection to be used between the ET8 telephone output and an on site computer with modem. A special E-TECH adapter is required when using this connection.

Direct Connect simulates a telephone line ring and makes the ET8 connect immediately to the telephone line.

**PROGRAMMING SEQUENCE:**

P90E 2E toggles the option ON and OFF

- P90E 2E OFF: No Direct Connect
- P90E 2E ON: Direct Connect enabled

**REMOTE ARMING**

Allows the remote Arming of the control panel using a standard DTMF telephone (or mobile phone) from anywhere in the world.

**PROGRAMMING SEQUENCE:**

P90E 3E toggles the option ON and OFF

- P90E 3E OFF: No Remote Arming
- P90E 3E ON: Remote Arming enabled
**PROGRAMMING**

---

**REMOTE DISARMING**

Allows the remote Disarming of the control panel using a standard DTMF telephone (or mobile phone) from anywhere in the world.

**PROGRAMMING SEQUENCE:**

- **P90E 4E** toggles the option ON and OFF
  - P90E 4E OFF: No Remote Disarming
  - P90E 4E ON: Remote Disarming enabled

---

**REMOTE AUX CONTROL**

Enables the remote turn ON/OFF of the AUX1 & AUX2 outputs using a standard DTMF telephone (or mobile phone) from anywhere in the world.

**PROGRAMMING SEQUENCE:**

- **P90E 5E** toggles the option ON and OFF
  - P90E 5E OFF: No Remote AUX control
  - P90E 5E ON: Remote AUX control enabled

---

**REMOTE STATUS REPORTING**

Enables Remote Status Reporting

**PROGRAMMING SEQUENCE:**

- **P90E 6E** toggles the option ON and OFF
  - P90E 6E OFF: No Remote Status Reporting
  - P90E 6E ON: Remote Status Reporting enabled

---

**REMOTE EVENT REPORTING**

Enables Remote Event Reporting

**PROGRAMMING SEQUENCE:**

- **P90E 7E** toggles the option ON and OFF
  - P90E 7E OFF: No Remote Event Reporting
  - P90E 7E ON: Remote Event Reporting enabled

---

**CALLBACK MODE**

Enables two methods of connecting by computer for remote upload/download.

**NO CALLBACK** – Allows remote access by computer as long as the panel’s Account Number (P72E) is known. The panel answers on the 2nd incoming call.

**WITH CALLBACK** – The panel will answer the 2nd call, verify the caller, hang up and then make the Callback using Telephone Number 4.

**PROGRAMMING SEQUENCE:**

- **P90E 8E** toggles the option ON and OFF
  - P90E 8E OFF: No Callback
  - P90E 8E ON: Callback Mode enabled
PROGRAMMING

OPTION No | DESCRIPTION          | DEFAULT | NOTE
----------|----------------------|---------|------
P91E       | Required Rings to answer | 1       |      

REQUIRED RINGS
Sets the number of double-rings before an incoming call is answered. This is used for Remote Access.

Programmable from 1 to 16 rings. Enter a value between 1 and 16. See below for a detailed description.

PROGRAMMING SEQUENCE:
- P91E existing Required Rings value is displayed
- [ENTER NEW VALUE] E new Required Rings value is displayed

EXAMPLE: To make Required Rings = 3:
P91E3E

SEND DIALLER TEST REPORT
Send a Dialler Test Report in USER PROGRAM MODE. Obviously, at least one telephone number must be programmed (P70E).

PROGRAMMING SEQUENCE:
P66666666E (eight 6’s) Triggers dialler and sends test report to Central Station

SIREN TEST
Turn the Siren, Reset and Strobe Outputs On. Pressing P E will stop the Siren Test (and also exits Program Mode).

PROGRAMMING SEQUENCE:
P77777777E (eight 7’s) Triggers Siren, Reset, Strobe

PANEL RESET
This function resets the microprocessor. The effect is the same as powering down and powering up again.

PROGRAMMING SEQUENCE:
P88888888E (eight 8’s) Panel Reset
These options allow selective restoring of various factory defaults. For example, you can default (clear) all the User Codes, without affecting any other programmed options.

**P95E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** [not applicable]

**P96E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** [not applicable]

**P97E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** [not applicable]

**P98E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** User Code 1: 123
All other codes: [blank]

**NOTES:**

- This option DOES NOT clear the Installer Code.

**P99E**

**PROGRAM MODE LEVEL:** Installer, Remote by PC

**FACTORY DEFAULT:** 000000

**NOTES:**

---

## PROGRAMMING

<table>
<thead>
<tr>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>DEFAULT</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P95E</td>
<td>Clear Radio Devices</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>P96E</td>
<td>Clear Memory</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>P97E</td>
<td>Restore Factory Defaults</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>P98E</td>
<td>Clear User Codes</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>P99E</td>
<td>Program the Installer Code</td>
<td>000000</td>
<td></td>
</tr>
</tbody>
</table>

### CLEAR RADIO DEVICES

This option clears all Radio Device Codes. (Except Radio Keys assigned to Radio Codes). Options P01E – P08E are defaulted (eg, Radio PIRs assigned to zones 1–8)

**PROGRAMMING SEQUENCE:**

- **P95E** Clears Radio Device Codes

### CLEAR MEMORY

Enter P96E when in Installer Program mode to clear all events in the Alarm memory display.

**PROGRAMMING SEQUENCE:**

- **P96E** Clears Alarm Memory display

### CLEAR PANEL OPTIONS

This option restores 'panel' program options to their factory default values. Defaults the options P00E, P26E to P93E, P99E.

(This includes all options except User Codes, Radio Codes & Radio Devices).

**PROGRAMMING SEQUENCE:**

- **P97E** Restores Factory Defaults

### CLEAR USER CODES

This option clears all User codes and Radio Codes (Radio Keys) and restores factory default codes.

P09E–P10E are defaulted (Radio Codes assignment)  
P11E – P25E are defaulted (User Codes 1–15)

**PROGRAMMING SEQUENCE:**

- **P98E** Clears User Codes

### PROGRAM THE INSTALLER CODE

Programs the installer code. This code can be 3 to 6 digits long. Factory default installer code is 000000.

**PROGRAMMING SEQUENCE:**

- **P99E** [Enter new code]E [Enter new code again]E

(Unlike User Codes, the installer code is not displayed when programming)
RADIO QUICK START

PROGRAMMING RADIO KEYS:

1. Select which User Codes 2–8 will be Radio Codes (P09E–P10E)
2. Select the User Code (P12E–P25E)
3. Press 1E
   - The READY light will turn ON to indicate that the User Code is ready to accept the Radio Key
4. Press the OFF button on the Radio Key to be programmed
   - If the Radio Key is accepted, the READY light will turn off and 3 beeps will sound

PROGRAMMING RADIO DEVICES (Radio PIRs etc):

1. Select a zone to which the Radio PIR will be assigned (P01E–P08E)
2. Press 1E
   - The READY light will turn ON to indicate that the zone is ready to accept the Radio Device.
3. Trigger the Radio Device
   - If the Radio Device is accepted, the READY light will turn off, the ARMED light will turn on and 3 beeps will sound.

E-TECH RADIO INTERFACE

The E-Tech Radio Interface (100–200) is the optional radio receiver required to enable all radio functions. Connection to the control panel is via a 4 wire loom and plug supplied with the E-Tech Radio Interface.

If the E-Tech Radio Interface is correctly installed, the ET8 keypad will flash the RADIO light ON when any radio signal is detected (from both programmed and non-programmed radio devices).

NOTES:

- The E-Tech Radio Interface is normally installed inside the control panel box.
- In cases where radio reception needs to be improved, the Radio Interface can be installed up to 50 metres away from the control panel. (Use 14/0.20 cable)
- If the Radio Interface must be installed inside a metal enclosure, the antenna wire should protrude outside the enclosure.
- For best performance, the antenna wire should not be kept straight and not coiled, shortened or extended.

E-TECH ET8 CONTROL PANEL

NOTES:

- Signal strength of Radio Keys can be tested in USER PROGRAM Mode or INSTALLER PROGRAM Mode.
- Signal strength of all other Radio Devices is tested in INSTALLER PROGRAM Mode.
- PRESS 3E to test the signal strength of the selected transmitter ONLY. (Other devices will be ignored).
- PRESS 4E to test the signal strength of ANY E-Tech transmitter (including unprogrammed devices).

SIGNAL STRENGTH

The Signal Strength test can be used to test the radio signal from any E-Tech radio device. The strength of the radio signal received is displayed on the zone lights 1–8 and beeped by the keypad.

The higher the number displayed (and beeped) the stronger the signal received.

TEST SEQUENCE:

1. Enter the option for the radio device to be tested
   - For Radio Keys: options P12E–P25E. For all other radio devices: options P01E–P08E
2. Press 3E
3. Trigger the radio device
   - One of zone lights 1–8 will turn ON to indicate the signal strength from the transmitter
   - The Signal Strength display remains on until another command is entered
   - To clear the display and re-test the transmitter, simply press 3E again (or 4E to test any other transmitter)
RADIO DEVICES – OPERATION

ALARM: Any E-Tech Radio Device can operate on any zone 1–8 as programmed by P01E–P08E. The hardwired zones 1–8 continue to operate in parallel.

Radio Keys can also operate on radio zones 1–8 for special purposes, but they should normally be used as Radio Codes.

KEYSWITCH INPUT: A Radio Device programmed to Zone 8 will still work as an alarm even if the Zone 8 input operation has been changed to Keyswitch operation. The P60E 2E and 3E options only affect the Zone 8 terminal inputs.

VIBRATION: Radio device zone signals IGNORE the P30E–P38E vibration sensor settings.

TAMPER REPORT: Radio Device Tamper operation depends on the Armed State of the control panel.

RADIO TAMPER: causes the keypad to continuously beep and also to flash the RADIO, TAMPER and the ZONE (identifying the detector) lights. Pressing any key on the keypad or sending a TAMPER RESTORE will clear this warning.

LOW BATTERY REPORT: A low battery gives 10 beeps and flashes the RADIO & the BATTERY light. The ZONE light identifying the radio device is also ON. The flashing lights stop when any key on the keypad is pressed or a detector code with no low battery is received. Low Battery generates HISTORY and DIALLER reports ONCE only (until the low battery is fixed and a restore report is received).

SUPERVISION: If a zone has the P6E option ON and a radio code has been programmed for that zone, then the supervision is active. This means that the radio detector does not need to have its SUPER enabled (via header link) for the SUPERVISED timeout to occur. (Useful as an inactivity alarm). A zone supervision failure always flashes the identifying ZONE light and the RADIO light.

RADIO SUPERVISION

The purpose of Radio Supervision is to verify the correct operation of E-Tech Radio PIRs. The Supervision signal from the Radio PIR tells the panel that the device has not been removed from radio range and is in working order.

Non-SUPERVISION Radio PIRs can also be programmed and used with the ET8 SUPERVISION TIMERS.

A non-SUPERVISION enabled Radio PIR will transmit signals to the ET8 only when it has detected an event. Obviously, there is no guaranteed signal period.

In either case, when the allowed time limit is exceeded then a WARNING is first given (if programmed by P66E 3E), and then after 1 minute, the programmed RADIO SUPERVISION ALERTS are generated by the ET8.

NOTE: Manually Excluding a Supervised Zone will also disable Radio Supervision for that zone.
E-TECH RADIO

RADIO DEVICE PROGRAMMING
Each of the 8 zones of the ET8 can be a radio zone. Once programmed, zones can accept both Radio Devices and normal zone inputs simultaneously.

The optional 100–200 E-Tech Radio Interface is required for Radio Devices to operate.

A Radio Device is any type of E-Tech transmitter including Radio PIR, Radio Reed Switches, Radio Smoke Detector.

PROGRAMMING RADIO DEVICES
Up to 8 Radio Devices can be assigned, (one per zone).

PROGRAMMING SEQUENCE – NO RESTORALS
Suitable for 100–663 Radio PIR, 100–665 Radio Pendant, 100–203 Radio Smoke Detector.

1 Select a zone using P01E – P08E
The ARMED light will be ON if a Radio Device is already programmed to the zone. Press 0E to delete.

2 Press 1E
The READY light will turn ON to indicate that the zone is ready to accept the Radio Device.

3 Trigger the Radio Device
A. If the Radio Device is accepted, the READY light will turn off, the ARMED light will turn on and 3 beeps will sound.
B. If the READY light stays on and a warning beep sounds, the Radio Device is already assigned to another zone and must be cleared from that zone first.

EXAMPLE: To program a Radio PIR on zone 1:
P01E 1E
Trigger the Radio PIR (or simply connect the battery)

PROGRAMMING SEQUENCE – WITH RESTORALS
Suitable for 100–662 Radio Reed Switch.

1 Alarm the reed switch, i.e., move the magnet away from the switch
Leave the reed switch in the alarm condition and wait until radio transmission has stopped.

2 Select a zone using P01E – P08E
The ARMED light will be ON if a Radio Device is already programmed to the zone. Press 0E to delete.

3 Press 1E
The READY light will turn ON to indicate that the zone is ready to accept the Radio Device.

4 Restore the reed switch (place the magnet next to the switch)
A. If the Radio Device is accepted, the READY light will turn off, the ARMED light will turn on and 3 beeps will sound.
B. The MEMORY light will turn on to indicate that this device sends Restorals.
C. If the READY light stays on and a warning beep sounds, the Radio Device is already assigned to another zone and must be cleared from that zone first.

EXAMPLE: To program a Radio Reed Switch with Restorals on zone 2:
Alarm the reed switch P02E 1E
Restore the reed switch

DELETING A RADIO DEVICE:

1 Use P01E to P08E to select the zone
2 Press 0E to clear the device (3 beeps will sound)

TIP: To prevent conflicting radio signals when programming Radio Devices, disable each device once you have finished programming it. (Remove the battery or open the RADIO link).
Remember to enable all the devices when programming is completed.
**RADIO CODES**

Each of the 15 User Codes, except for the Master Code, can be programmed to be Radio Codes. This allows up to 14 E-Tech Radio Keys to be used for Arming and Disarming of the panel. The optional 100–200 E-Tech Radio Interface is required for Radio Keys to operate.

**PROGRAMMING RADIO KEYS**

Radio Keys can be assigned to take the place of User Codes 2 to 15. (User Code 1 is always a Keypad code.)

**PROGRAMMING SEQUENCE:**

1. At option **P09E**, select which User Codes 2–8 will be Radio Codes
   At option **P10E**, select which User Codes 9–15 will be Radio Codes
2. Use **P12E** to **P25E** to select a User Code
   The User Code selected must already be assigned as a Radio Code by options **P09E** or **P10E**
3. Press **1E**
   The READY light will turn ON to indicate that the User Code is ready to accept the Radio Key.
   If a code is already programmed the READY light will not turn on and a warning beep will sound. To clear the code, press **0E**, then go back to step 3. (0E clears any Keypad Codes and Radio Keys).
4. Press the OFF button on the Radio Key to be programmed
   If the Radio Key is accepted, the READY light will turn off and 3 beeps will sound.
   If the READY light stays on and a warning beep sounds, the Radio Key is already assigned to another User Code and must be cleared from that User Code first.

**EXAMPLE:** To program a Radio Key at User Code 9:
**P10E 1E P19E**

**DELETING A RADIO CODE:**

1. Use **P12E** to **P25E** to select the User Code
2. Press **0E** to clear the code 3 beeps will sound

**CODE TABLE**

<table>
<thead>
<tr>
<th>CODE</th>
<th>OPTION No</th>
<th>DESCRIPTION</th>
<th>FACTORY DEFAULT</th>
<th>ENABLE AS A RADIO CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Code 1</td>
<td>P11E</td>
<td>Master Code</td>
<td>123</td>
<td>(Keypad Code only)</td>
</tr>
<tr>
<td>User Code 2</td>
<td>P12E</td>
<td></td>
<td>2E</td>
<td></td>
</tr>
<tr>
<td>User Code 3</td>
<td>P13E</td>
<td></td>
<td>3E</td>
<td></td>
</tr>
<tr>
<td>User Code 4</td>
<td>P14E</td>
<td></td>
<td>4E</td>
<td></td>
</tr>
<tr>
<td>User Code 5</td>
<td>P15E</td>
<td></td>
<td>5E</td>
<td></td>
</tr>
<tr>
<td>User Code 6</td>
<td>P16E</td>
<td></td>
<td>6E</td>
<td></td>
</tr>
<tr>
<td>User Code 7</td>
<td>P17E</td>
<td></td>
<td>7E</td>
<td></td>
</tr>
<tr>
<td>User Code 8</td>
<td>P18E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 9</td>
<td>P19E</td>
<td></td>
<td>1E</td>
<td></td>
</tr>
<tr>
<td>User Code 10</td>
<td>P20E</td>
<td></td>
<td>2E</td>
<td></td>
</tr>
<tr>
<td>User Code 11</td>
<td>P21E</td>
<td></td>
<td>3E</td>
<td></td>
</tr>
<tr>
<td>User Code 12</td>
<td>P22E</td>
<td></td>
<td>4E</td>
<td></td>
</tr>
<tr>
<td>User Code 13</td>
<td>P23E</td>
<td></td>
<td>5E</td>
<td></td>
</tr>
<tr>
<td>User Code 14</td>
<td>P24E</td>
<td></td>
<td>6E</td>
<td></td>
</tr>
<tr>
<td>User Code 15</td>
<td>P25E</td>
<td></td>
<td>7E</td>
<td></td>
</tr>
<tr>
<td>Installer Code</td>
<td>P99E</td>
<td>Installer Code</td>
<td>000000</td>
<td></td>
</tr>
</tbody>
</table>

**ASSIGN RADIO CODES**

- **User Codes 1–8**
- **User Codes 9–15**
CENTRAL STATION MONITORING

The ET8 control panel has an on-board digital dialler which can send detailed alarm messages to a Central Monitoring Station.

The digital messages can include information about the zone/s which caused the alarm, tamper alarms, low battery or mains failure reports, and it can also (by user number) identify the users who Arm and Disarm the system.

Central Station Monitoring is highly recommended and is the most effective method of monitoring your ET8 alarm system.

Installers are welcome to contact E-Tech for further information about monitoring.

AUDIBLE MONITORING

While Central Station Monitoring is recommended, the ET8 can also send audible alarm reports to any DTMF capable telephone. The types of alarms sent are listed in the Reporting Format Table.

The basic audible message takes the form of:


N = The first digit of the Account Number, P72E. *(N can be the digits 1–9. If P72E starts with 0, N is not sent).*

A = First digit of the Alarm identifier (See Reporting Format Table).

B = Second digit of the Alarm identifier (See Reporting Format Table).

MESSAGE EXAMPLE (AUDIBLE PULSE FORMAT P86E 4E)

If the Account Number is 1234 and zone 5 alarm is reported:

beep beep beep beep beep beep beep beep beep beep beep beep
1 Beep 5 Beeps = 1st digit of the account number 5 = zone 5

REPORTING SEQUENCE

When triggered by an alarm event the ET8 will call the Primary Telephone Number (or the Follow Me Telephone Number, if programmed) and at the end of the dialling of the last digit, it will wait for 5 seconds and then commence the audible message, the audible message will continue to repeat for 45 seconds or until it is kissed off by a DTMF tone.

If there is more than one alarm message to transmit then after it has received the Kiss-off/ Acknowledge tone it will commence transmission of the next message. The ET8 should continue to do this until all alarm messages are transmitted and Kissed-off.

ACKNOWLEDGE TONE

The person receiving the call can then acknowledge the alarm by pressing the key on their telephone. Press the key for at least 2 seconds during pauses in the audible message.

If the alarm is not acknowledged, the keypad’s LINE light will flash continuously until the panel is next Armed.

ALARM EVENTS SENT

The Reporting Format Table identifies the alarm events which can be programmed to be sent in Audible Format.

Open/Close reports, Restorals and Exclusions (Isolates) are NOT sent in Audible Format, even if selected ON.
The ET8 will allow a user to call in to the panel, using a standard DTMF telephone, and remotely Arm or Disarm all areas and also turn on or off Aux 1 and Aux 2.

To maintain panel security, remote operations can only be activated after entering a valid user code.

To operate the ET8 by telephone, you need a DTMF capable telephone, a valid User Code and you must know the Telephone number of the line to which the ET8 is connected.

NOTES
• If the ET8 does not receive commands for periods longer than 10 seconds it will assume that the call is finished and it will hang up.

• If an alarm occurs which requires the ET8 to dial out while attempting remote control, the ET8 will treat the alarm as a priority, give a constant tone as a warning and then hang up.

• When all remote control commands are finished press to force the ET8 to hang up.

SEQUENCE OF OPERATION.
1. Phone the ET8 telephone number and listen for the required number of rings (ring ring...ring ring) and then hang up.

2. Wait 10 seconds and then call the number again within 50 seconds.

3. The ET8 will answer the second call immediately, sound a beep for 2 seconds then, after a pause, it will sound a lower frequency tone. The ET8 is now ready to receive telephone commands.

4. Press the button on the telephone. This tells the ET8 that telephone commands will follow. The ET8 will respond with either 3 beeps if all OK (One long beep means try again).

5. Now enter a valid User Code (that is normally used for Arming or Disarming the ET8) followed by the button. The ET8 will respond with 3 beeps if it recognises the code or 1 long beep to signal the code was invalid and to try again.

6. Enter the required command. See: Summary Of Telephone Commands.

7. Press to finish. This tells the ET8 to hang up. Also hang up your telephone.
E-TECH ACCESSORIES

MOTION DETECTORS
E-Tech manufactures a range of high quality and efficient motion detectors - including passive infra-red detectors, dual technology / microwave and infra-red devices as well as ceiling mounted 360° detectors.

All E-Tech detectors are designed using the most modern technology and techniques that ensure superior reliability and performance.

QUANTUM - 15m passive infra-red detector with selectable pulse count; suitable for domestic and commercial installations. PetAware model available.

QUANTUM PLUS - 15m passive infra-red detector with selectable pulse count, temperature compensation and downward looking ‘creep’ zones.

QUANTUM DUAL - 15m combination microwave and passive infra-red detector. This combination of detection technologies virtually eliminates the possibility of unwanted alarms but faithfully detects humans. PetAware model available.

QUANTUM 360 - Ceiling mounted 360° passive infra-red detector with selectable pulse count and sensitivity. Provides 8 metre coverage mounted at standard 2.4 metre ceiling height.

PET AWARE DETECTORS
The E-Tech Quantum™ Pet Aware PIR and Pet Aware DUAL are able to discriminate between household pets and unwanted human intruders, allowing you to secure your home with your pets indoors.

WARNING DEVICES
The range of warning devices includes horn speakers, polytough siren covers, internal ‘screamers’ and satellite sirens with their own battery backup.

CCTV
The E-Tech range of Closed Circuit TV equipment includes Dome cameras, B/W or Colour cameras, Miniature hidden cameras, Monitors - even digital video recorders and remote telephone video systems.

SWITCHES
A variety of switches are available for protecting doors and windows. The line-up includes surface and flush mount reed switches, emergency buttons, roller door reed switches and the unique E-Techensor™ vibration sensor for highly effective perimeter protection.

PET  AWARE DETECTORS

WARNING DEVICES

CCTV

SWITCHES
RADIO ACCESSORIES
Ask your installer about the range of E-Tech radio devices for the optional extra convenience of wireless remote control and wireless detection.

Operating your E-Tech security system can be as convenient as opening your car door. The E-Tech Radio Key™ provides the benefits of separate ON, OFF and PANIC buttons in a slim, waterproof remote control.

* E-Tech radio products require a E-Tech Radio Interface (100-200) to be fitted to the control panel.

E-TECH RADIO KEY 3 BUTTON
Fully waterproof pendant style transmitter can be used as a portable wireless Panic button.

Supplied with a neckchain as well as wristwatch straps. Ideal for use as a medical alarm for the elderly or infirm. (Central Station Monitoring is especially recommended when used for medical alarm purposes). Includes long life lithium battery.

E-TECH RADIO PIR
E-Tech Radio PIR (Passive Infrared) motion detector for wireless motion detection.

Can be used in combination with E-Tech hardwired detectors in areas where it is not possible to install wires. Includes long life lithium battery.

Also available, the 100-663PET radio Pet Aware model, which detects humans but is immune to household pets.

E-TECH RADIO SMOKE DETECTOR
Radio Smoke Detector using Ionisation smoke detection technology. With on board sounder. A single battery powers the smoke detector and the transmitter. Includes 9V lithium battery.
## PROGRAMMING OPTIONS SUMMARY

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
<th>DEFAULT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P09E</td>
<td>Follow Me Tel. No.</td>
<td>none</td>
<td>39</td>
</tr>
<tr>
<td>P01E-09E</td>
<td>Enable Radio Devices 1–8</td>
<td>none</td>
<td>56</td>
</tr>
<tr>
<td>P09E</td>
<td>Enable Radio Keys 1–8</td>
<td>none</td>
<td>57</td>
</tr>
<tr>
<td>P10E</td>
<td>Enable Radio Keys 9–15</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P11E</td>
<td>User Code 1 (Master)</td>
<td>123</td>
<td>14</td>
</tr>
<tr>
<td>P12E–P25E</td>
<td>User Codes 2–15</td>
<td>none</td>
<td>15</td>
</tr>
<tr>
<td>P29E</td>
<td>Entry Delay Time 1</td>
<td>20 sec</td>
<td></td>
</tr>
<tr>
<td>P27E</td>
<td>Entry Delay Time 2</td>
<td>6=60 sec</td>
<td></td>
</tr>
<tr>
<td>P28E</td>
<td>Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P29E</td>
<td>Siren Reset Time</td>
<td>5 min</td>
<td></td>
</tr>
<tr>
<td>P30E</td>
<td>Normal Zone Sens</td>
<td>all zones</td>
<td></td>
</tr>
<tr>
<td>P31E–P38E</td>
<td>Vibration Sens. High-Low</td>
<td>none</td>
<td>17</td>
</tr>
<tr>
<td>P39E</td>
<td>Double/Trigger Zones</td>
<td>none</td>
<td>18</td>
</tr>
<tr>
<td>P40E</td>
<td>Instant Zones</td>
<td>Zones 3–8</td>
<td></td>
</tr>
<tr>
<td>P41E</td>
<td>Entry Delay 1 Zones</td>
<td>Zone 1</td>
<td></td>
</tr>
<tr>
<td>P42E</td>
<td>Handover Zones</td>
<td>Zone 2</td>
<td></td>
</tr>
<tr>
<td>P44E</td>
<td>Entry Delay 2 Zones</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P45E</td>
<td>Lockout Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P46E</td>
<td>AREA 1 Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P47E</td>
<td>AREA 2 Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P48E</td>
<td>AREA1 Codes 1–8</td>
<td>All codes</td>
<td></td>
</tr>
<tr>
<td>P49E</td>
<td>AREA1 Codes 9–15</td>
<td>All codes</td>
<td></td>
</tr>
<tr>
<td>P50E</td>
<td>AREA2 Codes 1–8</td>
<td>Code 1</td>
<td></td>
</tr>
<tr>
<td>P51E</td>
<td>Monitor Mode Zones</td>
<td>none</td>
<td>19</td>
</tr>
<tr>
<td>P52E</td>
<td>24hr Zones</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P53E</td>
<td>Day Zones</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P54E</td>
<td>Repeat OP Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P55E</td>
<td>Strobe Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P56E</td>
<td>Sonalert Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P57E</td>
<td>Siren Zones</td>
<td>All zones</td>
<td></td>
</tr>
<tr>
<td>P58E</td>
<td>Aux 1 Zones</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P59E</td>
<td>Aux 2 Zones</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>P60E</td>
<td>1E Entry Beeps</td>
<td>ON</td>
<td>24, 25</td>
</tr>
<tr>
<td>P61E</td>
<td>2E Ksw Monitor/Disarm</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P62E</td>
<td>3E Ksw Arm/Disarm</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P63E</td>
<td>4E Tamper siren lockout</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P64E</td>
<td>5E Delay to Reset OP</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P65E</td>
<td>6E Auto Exclude Zones</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P66E</td>
<td>7E Auto KP display off</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P67E</td>
<td>8E Delay Arm 1,2 outputs</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P68E</td>
<td>1E Tamper to Reset OP</td>
<td>ON</td>
<td>26</td>
</tr>
<tr>
<td>P69E</td>
<td>2E Tamper to Strobe OP</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P70E</td>
<td>3E Tamper to Sonalert</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P71E</td>
<td>4E Tamper to Siren</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P72E</td>
<td>5E KP Panic to Reset OP</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P73E</td>
<td>6E KP Panic to Strobe OP</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P74E</td>
<td>7E KP Panic to Sonalert</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P75E</td>
<td>8E KP Panic to Siren</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P76E</td>
<td>1E Split Siren</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P77E</td>
<td>2E Split Sonalert</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P78E</td>
<td>3E Split Strobe</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P79E</td>
<td>4E Split Reset</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P80E</td>
<td>5E Split Day Mode</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P81E</td>
<td>6E Split Night Mode</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>P82E</td>
<td>7E Split 24hr Zones</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P83E</td>
<td>8E Split 24hr Zones</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>P84E</td>
<td>1E Entry Delay Time</td>
<td>20 sec</td>
<td></td>
</tr>
<tr>
<td>P85E</td>
<td>2E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P86E</td>
<td>3E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P87E</td>
<td>4E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P88E</td>
<td>5E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P89E</td>
<td>6E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P90E</td>
<td>7E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P91E</td>
<td>8E Exit Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P92E</td>
<td>1E Entry Delay Time</td>
<td>20 sec</td>
<td></td>
</tr>
<tr>
<td>P93E</td>
<td>2E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P94E</td>
<td>3E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P95E</td>
<td>4E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P96E</td>
<td>5E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P97E</td>
<td>6E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P98E</td>
<td>7E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
<tr>
<td>P99E</td>
<td>8E Entry Delay Time</td>
<td>60 sec</td>
<td></td>
</tr>
</tbody>
</table>

**These options are available in User Program Mode. ALL options are available in Installer Program Mode.**
### INSTALLATION RECORD

**E-TECH ET8**
**ALARM CONTROL PANEL**

Date purchased: ______________________ Date installed: ______________________

Installation Company: ______________________
Telephone: ______________________

Monitoring Company: ______________________
Telephone: ______________________

#### ZONES DEVICE TYPE
- PIR, Reed switch, etc
- Entrance, bedroom, etc

#### ZONE ASSIGNMENT

<table>
<thead>
<tr>
<th>ZONES</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Entrance, bedroom, etc</td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

#### CODE OPTION No CODE HOLDER AREA 1 AREA 2 RADIO KEY CODE

<table>
<thead>
<tr>
<th>CODE</th>
<th>OPTION No</th>
<th>CODE HOLDER</th>
<th>AREA 1</th>
<th>AREA 2</th>
<th>KEY CODE (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Code 1</td>
<td>P11E</td>
<td>Master Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 2</td>
<td>P12E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 3</td>
<td>P13E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 4</td>
<td>P14E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 5</td>
<td>P15E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 6</td>
<td>P16E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 7</td>
<td>P17E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 8</td>
<td>P18E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 9</td>
<td>P19E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 10</td>
<td>P20E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 11</td>
<td>P21E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 12</td>
<td>P22E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 13</td>
<td>P23E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 14</td>
<td>P24E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Code 15</td>
<td>P25E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2001 E-Tech Security Products