Installation Manual
Premier 412/816/832

INS159-13

CE

Texecom

Contents

System Overview

Installation

Control Panel PCB Layout

Installing Remote Keypads & Expanders

Zone Connections

Siren/Bell, Telephone and Panel Outputs

Commissioning & Troubleshooting

Programming Menus

Programming Zones

Programming Partitions

Programming Global Options

Programming Remote Keypads

Programming Remote Expanders

Programming System Outputs

Programming the Communicator

Programming Download Options

Programming Reporting Codes

Programming Users

System Tests, Utilities and Using *RadioPlus*

Operating the Alarm System

Specifications

Quick Reference Guide & Defaults

1. System Overview

System Architecture
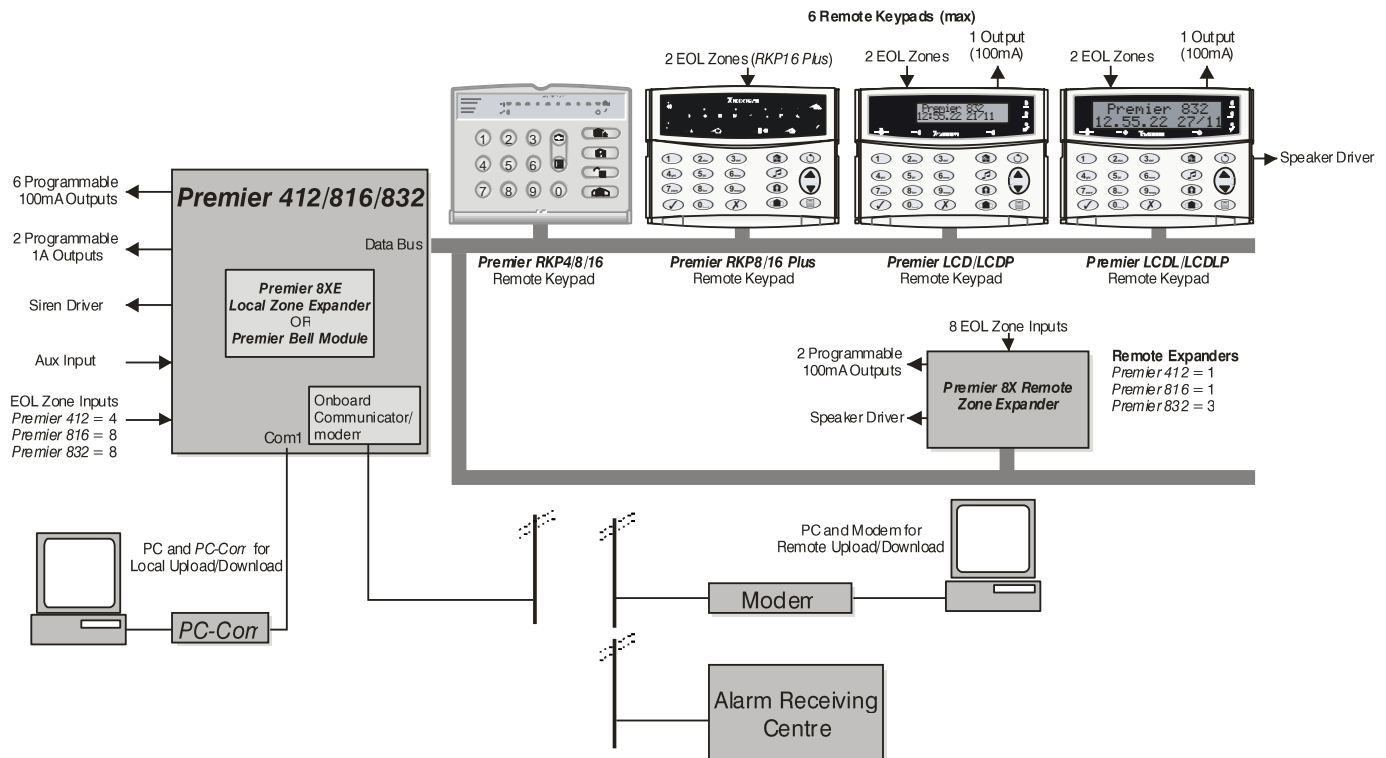
Control Panels

The *Premier 412, 816, 816 Plus* and *Premier 832* are highly sophisticated security control panels with Integrated Multi-protocol Digital Communicator/Modem. The control panels have the following features:

Features	*412*	*816*	*816 Plus*	*832*
Zones	4	8	8	8
Max. Zones when expanded	12	16	16	32
Partitions	2	4	4	4
User Codes	32	32	32	64
Event Log	750	750	750	1000
Mandatory Log Events (EN50131-3)	250	250	250	250
Touch Tone Remote Control	✘	✘	✔	✔✔
Programmable Aux. Input	✔	✔✔	✔	✔✔
Supervised Siren/Bell Output	✔	✔✔	✔	✔✔
2 x 1A Supervised Outputs	✔	✔✔	✔	✔✔
6 x 100mA Outputs	✔	✔✔	✔	✔✔
Printer/UDL Port	✔	✔✔	✔	✔✔
Integrated Modem/Communicator	✔	✔✔	✔	✔✔

Remote Keypads

The control panels will accept up to a maximum of 6 remote keypads. All remote keypads require a 4-wire connection to the data network and have a built in piezoelectric sounder. The following remote keypad models are available:

Premier RKP4/8/16

A cost effective range of remote keypads with either 4, 8 or 16 zone indicator lights.

- 4-wire connection to data network.
- Built in piezoelectric sounder.
- Dual level back-lighting, normally dim, switching to bright for 8 seconds after any key press
- Dedicated status lights for "Alarm", "Service", "Armed" and "Ready".

Premier RKP8/16 Plus

A professional range of LED remote keypads with either 8 or 16 zone indicator lights.

- 2 programmable EOL zones.
- 4-wire connection to data network.
- Built in piezoelectric sounder.

- Fully adjustable back-lighting, normally bright, dim or off, changing to bright whenever a keypad is used and during the entry mode
- Dedicated status lights for "Alarm", "Service", "Armed", "Ready", "Fire", "Bypass", "Instant" and "Stay"

Premier LCD & LCDL

The *Premier LCD* remote keypad has a standard 32 character back-lit LCD display, whereas the *Premier LCDL* has a large 32 character back-lit LCD display.

- 2 programmable EOL zones
- 1 programmable low current (100mA) output
- 4-wire connection to data network.
- Built in piezoelectric sounder.
- Fully adjustable back-lighting, normally bright, dim or off, changing to bright whenever a keypad is used and during the entry mode
- Dedicated status lights for "Power", "Armed", "Ready", "Service" and "Bypass"
- Speaker driver output (*Premier LCDL* Only).

Premier LCDLP

- *Premier LCDL* keypad with built-in proximity tag reader

Premier LCDP

- *Premier LCD* keypad with built-in proximity tag reader

Premier Elite FMK

- *Flush Mount LCDLP with built in proximity tag reader iconic keys.*
- *Available in various finishes*

Premier Elite SMK

- *Flush Mount LCDLP with built in proximity tag reader iconic keys.*
- *Available in various finishes*

Zone Expansion Modules

Either system can be expanded using one of the following zone expansion modules:

Premier 8X Remote Zone Expander

This module comes supplied in its own enclosure and is connected to the control panel data network to provide remote expansion of the system. This module provides the following additional facilities:

- 8 programmable EOL zones
- 2 programmable low current (100mA) outputs
- Speaker driver output with electronic volume control.

Premier 8XE Local Zone Expander

This module comes supplied as a PCB and simply plugs onto the main control panel circuit board. This module provides 8 programmable EOL zones.

PC-Com Module

This module plugs on to the *Premier 412*, *816* and *Premier 832* control panel to provide an RS232 interface, which can be used for:

- Connection of a serial printer to print the event log
- Upload/download the system programming via *Wintex UDL* software and PC.

ComIP Module

This module plugs on to Com1 or Com2 of the control panel to provide the following:

- Alarm event reporting via TCP/IP (WAN/LAN).
- High speed upload/download of system programming via WAN/LAN using *Wintex UDL* software.

Speech Module

This module plugs on to the control panel to provide the following:

- 4 recordable messages (12 seconds each).
- Each message can be assigned to a specific output function, e.g. Alarm or Fire.

This manual does not cover the full installation of this device; please refer to the instructions supplied with the *Speech Module*.

Radio Receiver Module

The control panel will accept either the Texecom *Ricochet™* Premier Elite 8XP-W or Premier Elite 32XP-W. The receiver module should be wired to the control panel network to provide the following:

- 32 wireless devices, such as PIR, Door Contacts, Shock Sensors, Remote FOBs etc.
- *Ricochet™* Mesh Networking Technology
- RF supervision of each device.
- Battery supervision of each device.

This manual does not cover the full installation of these devices; please refer to the instructions supplied with the radio receiver module.

2. Installation

Installation Sequence

Before attempting to install the alarm system, read this section. Once you have an overall understanding of the installation sequence, carefully work through each step.

1: Design the Layout
Make a rough sketch of the premises to get an idea of where all alarm detection devices, keypads and other modules are to be located.

2: Mounting the Panel
The control panel should be mounted in a dry area close to an unswitched AC power source and the incoming telephone line.

NOTE You must complete all wiring before connecting the battery, or applying AC to the panel.

NOTE Some versions of the control panel are not supplied with an integral mains transformer. If this is the case a suitable external mains transformer will be required (see page 78)

3: Install the Keypads
Mount and connect the keypads to the control panel.

4: Zone Wiring
Install detection devices and connect to control panel.

5: Other Wiring
Complete all other wiring including bells or sirens and telephone line connections.

6: Apply Power to the Control Panel
Once steps 1 to 5 are completed, apply power to the control panel. First, connect the red battery lead to the positive terminal and the black lead to negative. Then, connect the AC.

7: Complete the Installation Records & Defaults Worksheets
On page 86 you will find "Installation Records and Defaults" worksheets. These worksheets allow you to record all programming data and also lists all program defaults. It is recommended that the worksheets are filled in before attempting to program the system.

8: Program the System
Using the Programming Worksheets program the control panel in accordance with the procedures in Section 3.

9: Testing the System
Test the system thoroughly to ensure that all features and functions are operating as required.

Control Panel

Mounting
Mount the control panel on a flat, plumb wall using at least three appropriate screws. The rear casing has been designed with a central key-hole slot so that mounting is possible without removing the Printed Circuit Board (PCB).

The angled slot in the lower corner has been provided to allow the panel to be levelled easily. If the PCB has to be removed, carefully pull back the two front PCB securing clips, lift the front of the PCB and slide it downward. To replace the PCB simply reverse the above procedure.

NOTE It is essential to ensure that none of the fixing slots or cable entries are accessible after fixing.

Mains cabling must be secured (e.g. with a cable tie) to one of the anchor points provided.

Wiring the Control Panel

> # WARNING: ELECTRICITY CAN KILL
>
> **BEFORE connecting the control panel**
> **ALWAYS disconnect the supply at the consumer unit.**
> **If in ANY doubt consult a qualified electrician.**

⚠ ONLY connect the mains supply to the mains terminal block, NEVER connect the mains supply directly to the PCB.

The system installation MUST be carried out in accordance with the national safety standards, for example EN 60950: 1992.

ALWAYS refer to National Wiring Regulations when conducting installation.

An appropriate and readily accessible disconnection device (e.g. an unswitched fused spur) MUST be provided as part of the installation.

The disconnection device must NOT be fitted in a flexible cord.

Where identification of the neutral in the mains supply is NOT possible, a two-pole disconnection device MUST be used.

Use mains cable of adequate carrying capacity for the rated current (i.e. at least $0.75mm^2$).

Control Panel PCB Layout
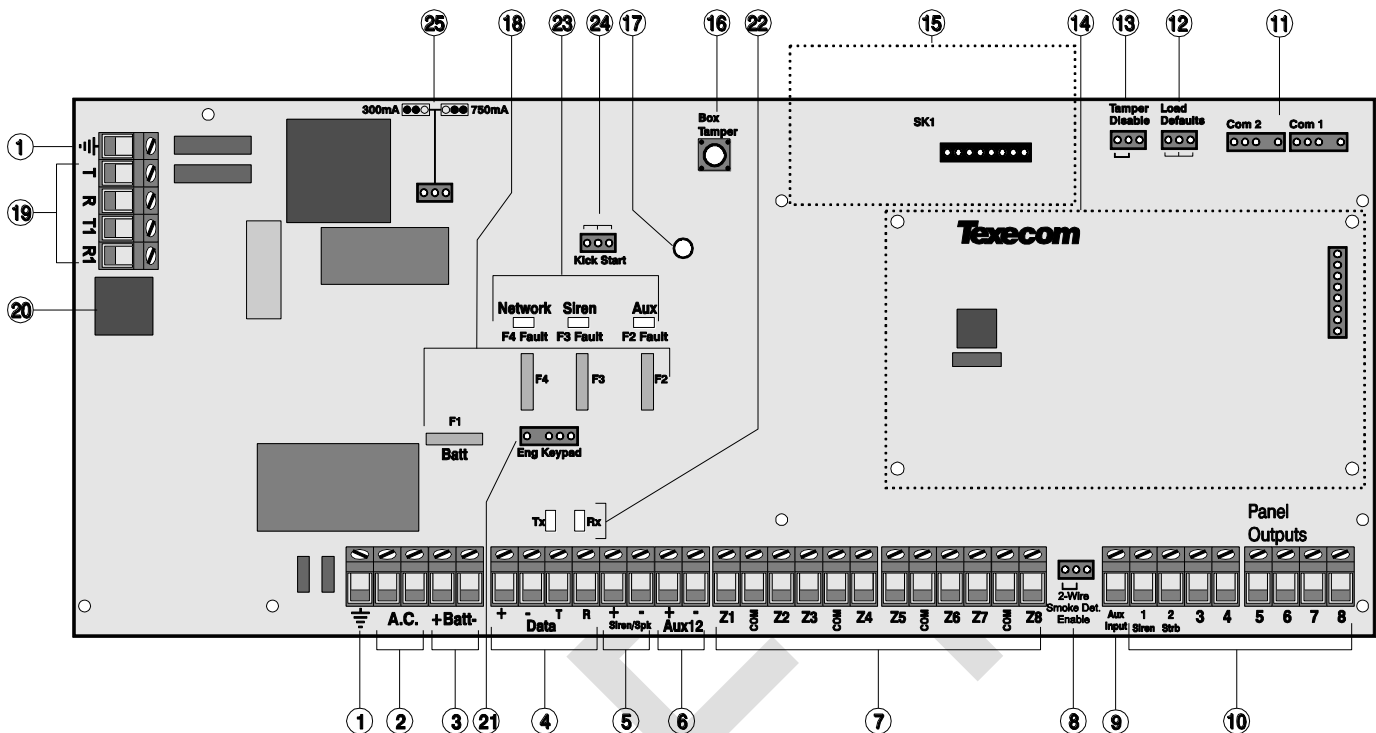
1: Earth Ground Connection

Earth ground. Connect to earth or an earth rod.

⚠ **Failure to fit an earth cable may prevent proper operation of the system and will invalidate the Texecom warranty and product approvals.**

2: AC Input

Connect to a 16.5V transformer.

⚠ **Do NOT connect the mains supply to the AC input terminals.**

3: Battery Connections

A 12V rechargeable battery must be connected to these two terminals in order to provide continuous system operation in the event of mains failure. The battery output is protected by fuse F1 (1.6 Amp).

4: Data Bus Connections

The data bus terminals provide connections to the remote keypads and *Premier 8X Remote Zone Expander*. The + and − terminals provide power whilst the T and R terminals are transmit and receive data.

5: Siren/Spk output

These terminals are used for driving speakers, sirens or bells. The output can be programmed for speaker driver or for Siren/bell driver (see page 36). This output is supervised, if no warning devices are fitted, either fit a 1KΩ resistor between these two terminals or disable the siren supervision, see page 38.

6: Auxiliary 12V Power

These terminals provide auxiliary power for devices that require 12V power. The auxiliary output is protected by fuse F2 (1 Amp).

7: Zone Inputs 1 to 8

These terminals provide the connections to the zone inputs. The *Premier 816* and *Premier 832* have 8 zone inputs, whereas the *Premier 412* has only 4 zone inputs. There are several ways to wire a zone (see page 14). Each zone is fully programmable, see page 25 for information on programming zones.

8: Two-Wire Smoke Detector Enable

Set this link as shown when connecting 2-wire smoke detectors to Panel Output 1.

    Output 1 is enabled for 2-wire smoke detectors

    Output 1 is normal

9: Aux Input

This is a programmable input, it can be used for monitoring auxiliary tamper devices etc, see page 38 for programming details.

10: Panel Outputs 1 to 8

These are programmable outputs. Panel outputs 1 and 2 are high current (1 Amp) supervised outputs. If panel outputs 1 or 2 are not used, either fit a 1KΩ resistor between the unused output and Auxiliary 12V + or disable the output supervision, see page 38. Panel outputs 3 to 8 are low current (100mA) outputs.

11: Communication Ports 1 and 2

Serial communication ports 1 and 2, these can be used for third party devices or PC for local downloading.

12: Load Defaults

Short between the centre and either of the outer pins during power up to restore the control panel default program parameters. These pins can also be used to reset the Engineer code back to its default value, see page 69.

> **NOTE** Do not leave these pins shorted, otherwise the control panel event log will be erased.

13: Box Tamper Disable

Fit link as shown:

 Box Tamper Disabled

 Box Tamper Enabled

14: Local Zone Expander

The *Premier 8XE Local Zone Expander* can be plugged on to the main PCB. The local expander provides an additional 8 programmable zones (see page 14).

15: *Speech Module*

A four channel *Speech Module* can be plugged on to the main PCB (SK1). This connector is only fitted on the *Premier 816Plus* and *Premier 832* control panels.

16: Box Tamper Switch

Box tamper protection for the main control panel.

17: Power Light

On steady when either AC or standby battery is present. Flashes when the on-board communicator is dialling or sending data.

18: Electronic Fuses

The PCB is protected using electronic PTC fuses:

- F1 (2.5 Amp) Battery fuse

- F2 (900mA) Auxiliary 12V power fuse

- F3 (900mA) Siren/Bell output fuse

- F4 (900mA) Network fuse

To reset a fuse, remove all load from the protected circuit, wait 10 seconds, then reconnect.

19: Telephone Line Connections

Telephone line connections (see page 19).

20: RJ11 Telephone Line Connector

An RJ11 connector is provided so that the panel can be connected to the telephone line via a standard RJ11 patch lead.

21: Engineers Keypad Connection

An engineer's keypad (*Premier LCD* keypad and interface lead) can be temporarily plugged onto this connector to allow system programming and testing.

22: Network Data Indicator LEDs

The red transmit (Tx) LED indicates that data is flowing out of the control panel and normally flashes very quickly. The green receive (Rx) LED indicates that data is flowing into the control panel. The green LED flashes faster as more devices are connected to the data network.

23: Electronic Fuse Fault Indicator LEDs

Electronic fuses F2-F4 have red indicator LEDs, which light up when the relevant fuse is open circuit (fault).

24: Battery Kick Start Pins

The control panel has a deep discharge protection circuit that prevents the standby battery from being fully discharged. When powering up the control panel without AC Mains (battery only), the centre and either outer pins must be shorted together in order to bring the battery into circuit.

25: Battery Charge Current Selector

When using a 7Ah standby battery the charge current selector should be set to 300mA. If a 17Ah battery is connected (metal cabinet only) the selector should be set to the 750mA position.

Power Supply Ratings

All Models (Large & Small Polymer)

Current

Current Consumption	50mA
Maximum Current Available	
0.3A charge	1.1A

Rated Output

Battery Arrangement	Battery Charge	Rated Output (Amps)
		12h
1 x 7Ah	0.3A	0.533A

Standby and Recharge Times

EN50131-1	Grade 1	Grade 2
Minimum Standby Period	12h	12h
Maximum Recharge Time	72 Hrs	72 Hrs

All Models (Metal)

Current

Current Consumption	50mA
Maximum Current Available	
0.3A charge	1.9A
0.75A charge	1.0A

Rated Output

Battery Arrangement	Battery Charge	Rated Output (Amps)			
		12h	**24h**	**30h**	**60h**
1 x 7Ah	0.3A	0.533A	0.241A	0.183A	X
1 x 17Ah	0.3A	1.36A	0.658A	0.516A	0.233A
	0.75A	1.0A	0.658A	0.516A	0.233A

Standby and Recharge Times

EN50131-1	Grade 1	Grade 2
Minimum Standby Period	12h	12h
Maximum Recharge Time	72 Hrs	72 Hrs

> **NOTE** 30h if MAINS FAIL reported to ARC, otherwise 60h

Jumper Settings

Battery Arrangement	Recharge Time	Battery Charge Selector
1 x 7Ah	< 24Hrs	0.3 A
1 x 17Ah	< 24Hrs	0.75 A
	< 72Hrs	0.3 A

Connecting AC Mains

The AC Mains supply is connected to a 3 way 'Euro Type' fused terminal block, which is fitted with a 3.15A medium/slow blow fuse.

> **NOTE** *All other wiring MUST be carried out before AC mains is connected to the control panel.*
>
> *After connecting the AC Mains, fit the mains cover, this can be found in the spares bag.*
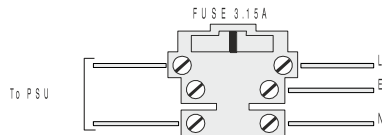
Connecting Batteries

Up to one 12V 7Ah battery can be fitted inside the control panel to provide continued operation in the event of an AC mains failure.

> **NOTE** *All other wiring MUST be carried out before the battery is connected to the control panel.*

Connect the red battery lead to the positive terminal of the battery and connect the black battery lead to the negative terminal of the battery.
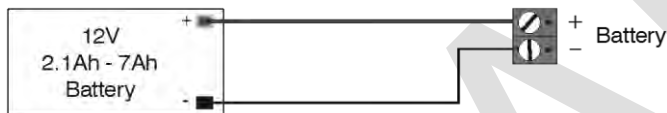
EN50131 Battery Installation

Step 1: Screw 2 x battery clamps into holes provided in the rear of the panel.
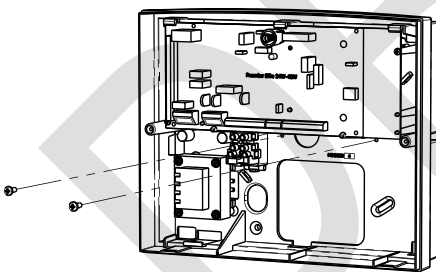
Step 2: Fit battery into place, position the clamps against the top face of the battery and tighten screws.
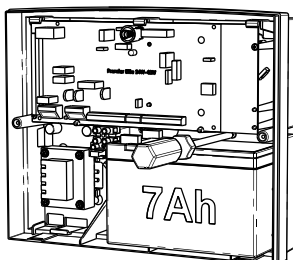
Connecting Devices to the Data Bus

Before connecting remote keypads and zone expanders, isolate ALL power from the control panel (AC Mains & Battery). Do not continue if there is still power present on the control panel.

> **NOTE** *Connecting devices with power still present on the control panel may damage the device or control panel and invalidate any warranty.*

Remote keypads and zone expanders are all connected to the same data terminals located at the bottom left hand corner of the control panel and may be connected serially (daisy chain), in parallel (star) or any combination of the two.

Wiring the Data Bus

The data bus is made up of four terminals incorporating power and data. To ensure correct operation, all four terminals on the device must be connected to the corresponding terminals on the control panel, or previous device (see page 10 for wiring details). The table below shows each terminal and its description:

Terminal	Description
+	+12V Supply
-	0V Supply
T	Transmit Data
R	Receive Data

Cable Type and Distances

For improved immunity to electrical noise Texecom recommend the use of screened 4 core cable. The screen should be twisted together and wired into the (–) terminal at the control panel only.

The maximum recommended distance for devices when using standard 7/0.2 alarm cable is:

* 250m for each branch when using the star (parallel) configuration
* When using a daisy chain (series) configuration the maximum distance will depend on the number of devices connected on the chain. The more devices that are connected, the shorter the distance to the last device (this is due to voltage drop in the cable)

Whichever method of wiring configuration is used, ensure that the voltage between the '+' and '–' terminals at each device is no lower than 10.0V when the system is running on the standby battery.

Installing a Power Supply

When a power supply is installed, the 0V connections on the power supply must be connected through to 0V on the control panel and the +12V connection between the control panel and the device must be disconnected (see figure below).

The table below shows maximum cable runs when one keypad or expander is installed using standard 7/0.2 alarm cable with various loads:

Configuration	Max. Cable Run
1. Keypad + 2 PIR's @15mA	250m
2. Expander + 2 PIR's @15mA	250m
3. Expander + 8 PIR's @15mA	100m
4. As No. 3 + 16Ω Speaker	30m

250 metres

Data Bus Connections (250m without additional power supply).

1 Kilometre

250 metres

Disconnect +12V from control panel

Data Bus Connections (1Km with additional power supply).
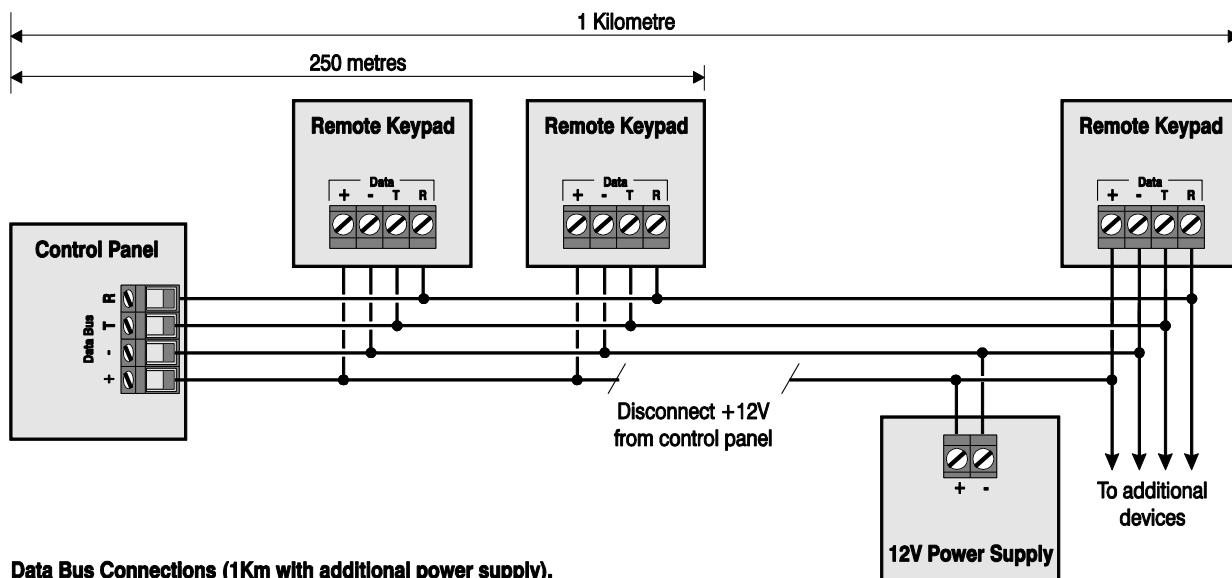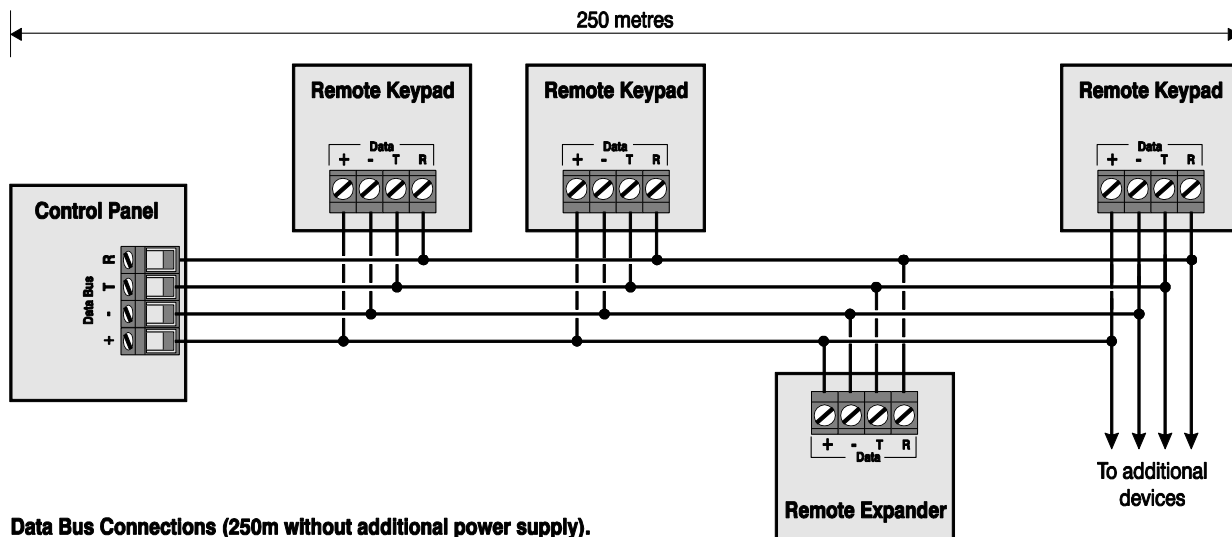
Overcoming Voltage Drop

There are several ways to overcome voltage drop:

- Use thicker lower resistance cable. Standard 7/0.2 alarm cable has a resistance of 8Ω per 100m

- Double up on the power connections – this will require using a 6 or 8-core cable rather than a 4-core cable

- Install a power supply to power the device locally, remember to common the two negative connections

Use of pull up resistors

Devices lost from the network, or high levels of network errors can sometimes be cured using pull-up resistors.

Poor quality cable and/or installation practices are the most common cause of continued faults with network devices. The diagram details the type and placement of the resistors.

Connect 1K resistor between "R" and "+" at the Control Panel

Connect 1K resistor between "T" and "+" at the furthest network device
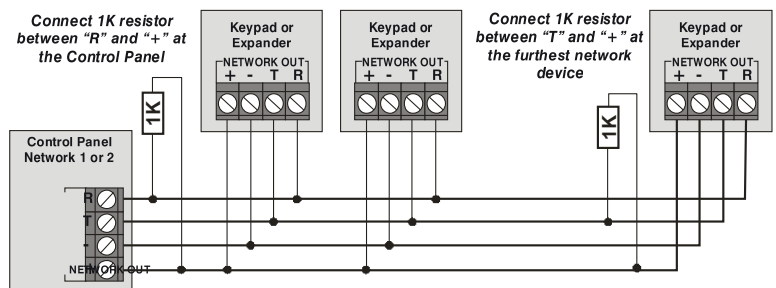
Installing Remote Keypads

Keypad Layouts
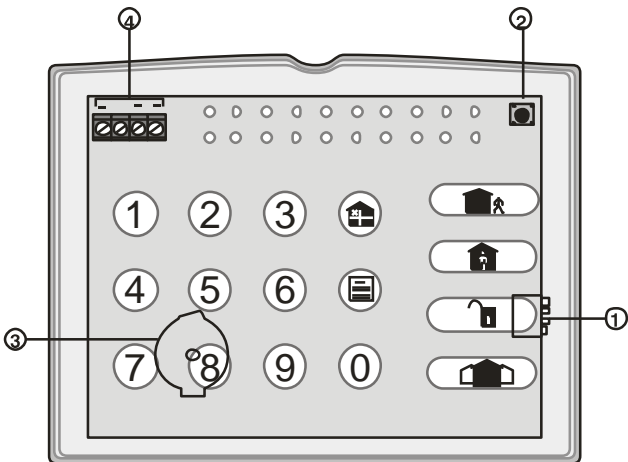
RKP4/8/16 Layout
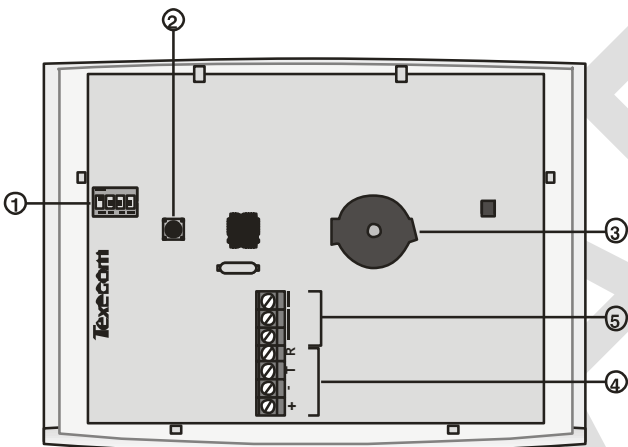
RKP8/16 Plus Layout
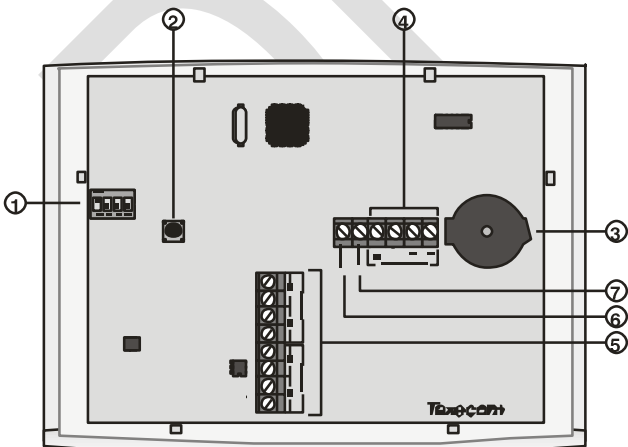
LCD/LCDL/LCDP/LCDLP
SMK & FMK Layout

① **Address DIL Switch**
② **Tamper Switch**
③ **Piezo Sounder**
④ **Data Bus Connections**
⑤ **Programmable Zones 1 and 2**
⑥ **Speaker Output (*Premier LCDL/LCDLP* Only)**
⑦ **Programmable Output**

Remote Keypad Connections

The remote keypad is connected to the data bus terminals located at the bottom left hand side of the PCB. (See pages 8 to 10).

Remote Keypad Address

Each remote keypad must be assigned a different address using the Address DIL switch (①). The table below shows how to set the address:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On**/Off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	
4	Off	Off	Off	**On**	
5	**On**	Off	Off	**On**	
6	Off	**On**	Off	**On**	

Keypad Zones

The *Premier RKP8/16 Plus* and all LCD remote keypads have two programmable zone inputs (see page 15 for wiring details). Each zone is also fully programmable (see page 25 for programming details). The table below shows the zone allocation when using the *Premier RKP8/16 Plus* or *Premier* LCD remote keypads:

Address	*Premier 412*		*Premier 816/832*	
	Zone 1	**Zone 2**	**Zone 1**	**Zone 2**
1	Zone 05	Zone 06	Zone 09	Zone 10
2	Zone 07	Zone 08	Zone 11	Zone 12
3	Zone 09	Zone 10	Zone 13	Zone 14
4	Zone 11	Zone 12	Zone 15	Zone 16
5	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A

📝 **NOTE** The onboard remote keypad zones are not seen by the system until they have been enabled. To enable the onboard keypad zones (see page 43 for details).

Keypad Output

All *Premier* LCD remote keypads have one programmable output, which can be used to drive auxiliary devices such as LED's, sounders or relays etc. Wire as per Panel Outputs shown on page 19 (see page 47 for programming details).

Keypad Speaker Output (*LCDL*/*LCDLP* FMK/SMK)

The *Premier LCDL* and *LCDLP* keypads has an output that can be used for driving up to one 8Ω or two 16Ω loudspeakers (see page 18 for wiring details).

NOTE The speaker volume is also fully adjustable (see page 36 for details).

Adjustable Backlighting

To adjust the keypad backlighting press the **YES** key, then with the **YES** key still pressed use ⊕ to increase or decrease the backlighting until the required brightness is achieved, then release both keys.

NOTE The backlight can only be adjusted when the keypad is not in a menu.

Keypad Lid Tamper

The lid tamper of each keypad can be disabled if required using the relevant keypad option in the Keypad Options 4 menu (see page 43 for details).

Remote Zone Expander Module

The *Premier 8X Remote Zone Expander* provides 8 additional detection zones, two programmable outputs and a speaker driver output.

Remote Expander Layout
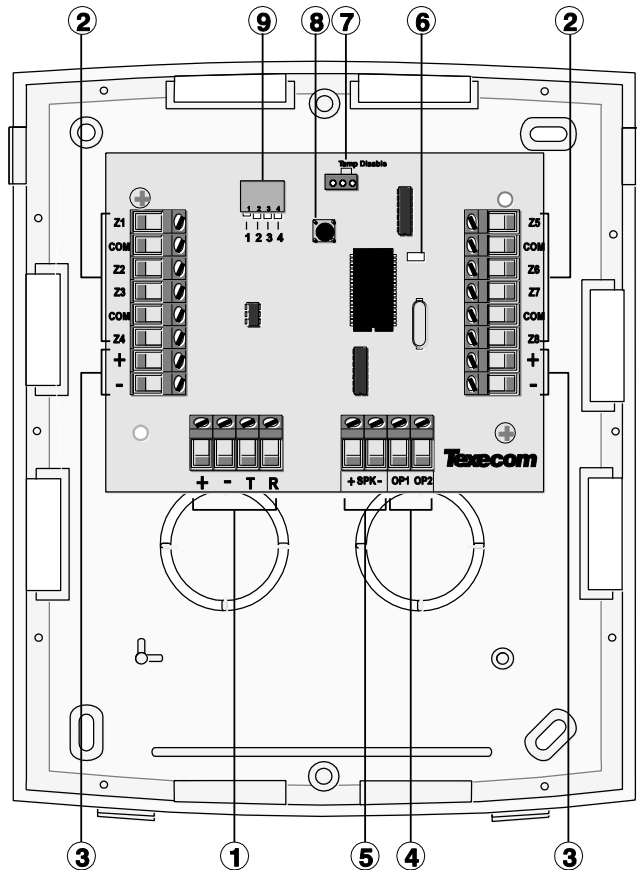
① Data Bus Connections
② Programmable Zone Inputs
③ Auxiliary 12V
④ Programmable Outputs 1 and 2
⑤ Speaker Driver Output
⑥ Power LED
⑦ Disable Tamper Jumper
⑧ Tamper Switch
⑨ Address DIL Switch

Wiring the Zone Expander

The Remote Zone Expansion Module is connected to the data bus terminals located at the bottom left hand side of the PCB. (See pages 8 to 10).

Remote Expander Address

Each remote expander must be assigned a different address using the Address DIL switch (⑨). The table below shows how to set the address:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On**/Off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	

NOTE Only one remote expander can be connected to the *Premier 412* & *816* control panels (Address = 1).

Remote Expander Zones

The *Premier 8X Remote Expander* has eight programmable zone inputs (see page 15 for wiring details). Each zone is also fully programmable (see page 25 for programming details).

The table below shows the system zone allocation when one or more modules are installed:

Address	Remote Expander Zone Inputs							
	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8
1	09	10	11	12	13	14	15	16
2	17	18	19	20	21	22	23	24
3	25	26	27	28	29	30	31	32

NOTE When the system is expanded above 8 zones, it MUST be fitted with a suitable remote keypad. For systems up to 16 zones a *Premier RKP16* or *Premier RKP16 Plus* should be installed. For systems above 16 zones a LCD remote keypad should be installed.

The system will only support one type of expansion device for zones 09 - 16, i.e., you can fit either a *Premier 8X Remote Expander* (Address = 1) or a *Premier 8XE Local Expander*, you cannot fit both.

Zone Expander Outputs

The Zone Expander module has two programmable outputs, which can be used to drive auxiliary devices such as relays, LED's, smoke detectors etc. The table below shows the electrical characteristics for each output:

No	Supervised	Max Current	Type
1	No	100mA	Switched −ve
2	No	100mA	Switched −ve

Wire as per Panel Outputs shown on page 19.

Zone Expander Speaker Driver

The Zone Expander has a Speaker driver output and can be used for driving 8 or 16 Ohm loud speakers as shown on page 18.

Local Zone Expander Module

The *Premier 8XE Local Zone Expander* plugs onto the control panel to provide 8 additional programmable detection zones.

Local Expander Layout
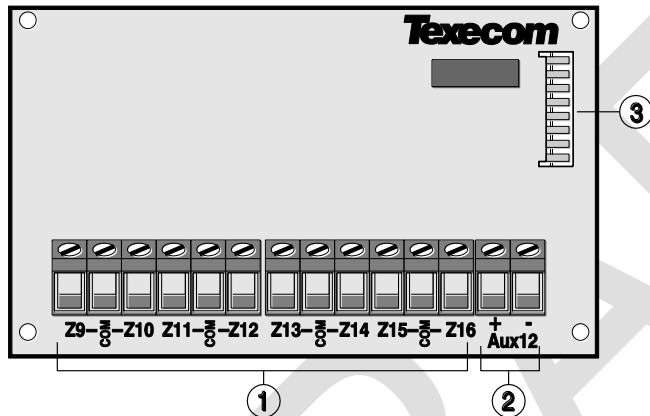
① Zone Inputs 9 to 16
These terminals provide the connections to the zone inputs.

② Auxiliary 12V Power
These terminals provide auxiliary power for devices that require 12V power. The auxiliary output is protected by fuse F2 (1 Amp) on the control panel.

③ Plug-On Connector
The *Premier 8XE Local Zone Expander* plugs onto the control panel via this connector and is held in place by four plastic pillars located in each corner.

Local Expander Zones

The *Premier 8XE Local Zone Expander* has eight programmable zone inputs (see page 15 for wiring details). Each zone is also fully programmable (see page 25 for programming details).

The table below shows the zone allocation when the module is installed:

Panel	Panel Zones	Expander Zones
Premier 412	1 to 4	9 to 16
Premier 816	1 to 8	9 to 16
Premier 832	1 to 8	9 to 16

NOTE When the system is expanded above 8 zones, it MUST be fitted with a suitable remote keypad. For systems up to 16 zones a *Premier RKP16* or *Premier RKP16 Plus* should be installed. For systems above 16 zones a *Premier LCD/LCDL* should be installed.

The system will only support one type of expansion device for zones 09 - 16, i.e., you can fit either a *Premier 8X Remote Expander* (Address = 1) or a *Premier 8XE Local Expander*, you cannot fit both.

Installing the Local Zone Expander

➤ To install the Local Zone Expander proceed as follows:

Ensure that all power is removed from the control panel (mains and battery) before attempting to fit the expander.

Push the four support pillars (supplied) into the four locating holes on the control panel PCB.

Align the Local Expander Connector with the 8 way plug (JP2) on the control panel. Push expander into place, ensuring that all four pillars clip into the four locating holes on the local expander.
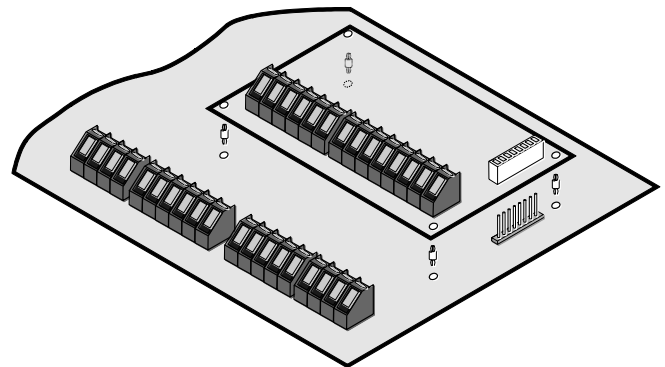
Zone Connections

Each zone on the system is fully programmable to allow for maximum flexibility (see page 25 for Zone Programming details). The program options for a zone will also determine how the zone may be wired. The following wiring options are available:

Type	Zone Status	Response
⓪ Normally Closed	< 10K	Secure
	> 10K	Active
① Normally Open	< 10K	Active
	> 10K	Secure
② Single EOL - N/C & N/O (Burglary)	< 1K	Active
	1K - 4.7K	Secure
	> 4.7K	Active
③ Single EOL - N/O (Fire)	< 1K	Active
	1K - 4.7K	Secure
	> 4.7K	Trouble
④ Single EOL - N/C	< 2K	Trouble
	1K - 4.7K	Secure
	> 4.7K	Active
⑤ Single EOL - O/C Tamper	< 1K	Secure
	1K - 4.7K	Active
	> 4.7K	Tamper
⑥ Single EOL - S/C Tamper	< 1K	Tamper
	1K - 4.7K	Secure
	> 4.7K	Active
⑦ Double EOL	< 1K*	Tamper
	1K - 4K*	Secure
	4K - 20K	Active
	> 20K	Tamper
⑧ Zone Doubled	< 1K	Zones A & B Trouble
	1K - 2K	Zones A & B Secure
	2K - 4K	Zone A Violated
	4K - 6K	Zone B Violated
	> 6K	Zones A & B Violated
⑨ Triple EOL	< 1K*	Tamper
	1K - 4K*	Secure
	4K - 6K	Trouble (Fault)
	6K - 8K	Active
	8K - 20K	Trouble (Masked)
	> 20K	Tamper

* This value may vary depending on the country code variant.

Normally Closed

Use this wiring configuration when connecting normally closed detection devices to the zone. Ensure that the zone is programmed for Normally Closed operation (see page 27). The zone must be wired as follows:
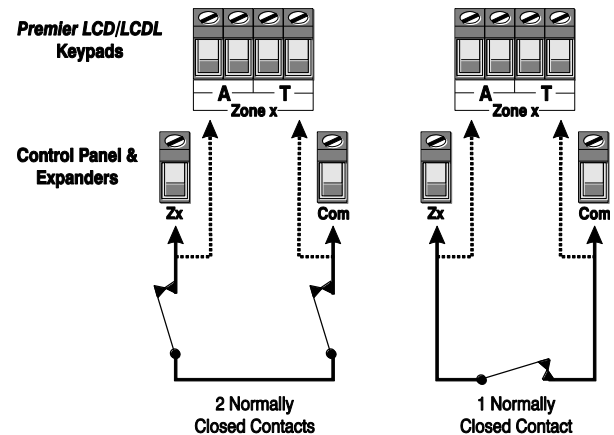
Normally Open

Use this wiring configuration when connecting normally open detection devices to the zone. Ensure that the zone is programmed for Normally Open operation (see page 27). The zone must be wired as follows:
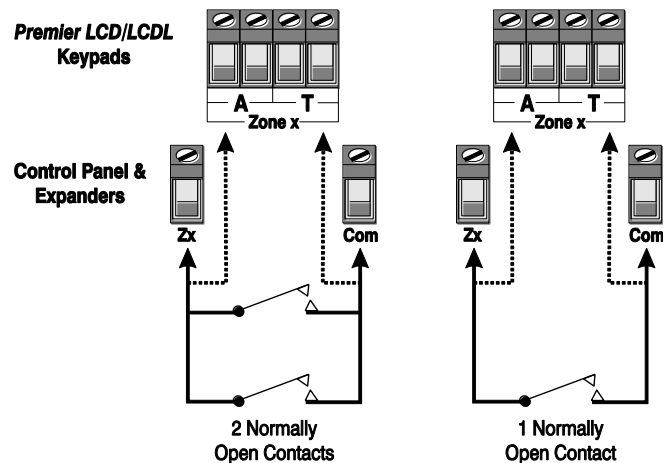
Single EOL - N/C & N/O (Burglary)

Use this wiring configuration when connecting a mixture of normally closed and normally open detection devices to the zone. Ensure that the zone is programmed for Single EOL - N/C & N/O operation (see page 27). The zone must be wired as follows:
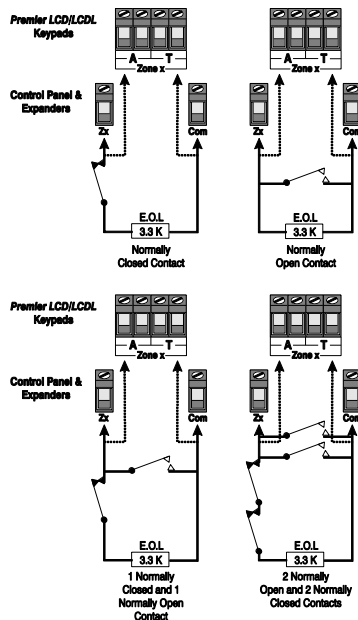
Single EOL - N/O (Fire)

Use this wiring configuration when connecting a 4-wire smoke detector to the zone. Ensure that the zone is programmed for Single EOL - N/O (Fire) operation (see page 27). The zone must be wired as follows:
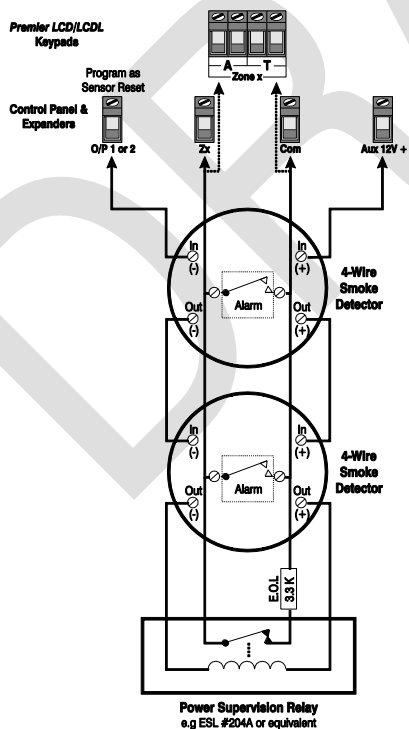
Single EOL - N/C

Use this wiring configuration when connecting just normally closed detection devices to the zone. Ensure that the zone is programmed for Single EOL - N/C operation (see page 27). The zone must be wired as follows:
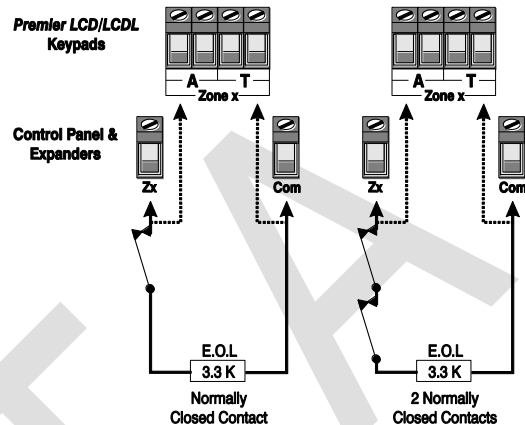
Single EOL - O/C Tamper

Use this wiring configuration when connecting just normally closed detection devices to a zone and when a tamper response is required in the event of an open circuit. Ensure that the zone is programmed for Single EOL - O/C Tamper operation (see page 27). The zone must be wired as follows:
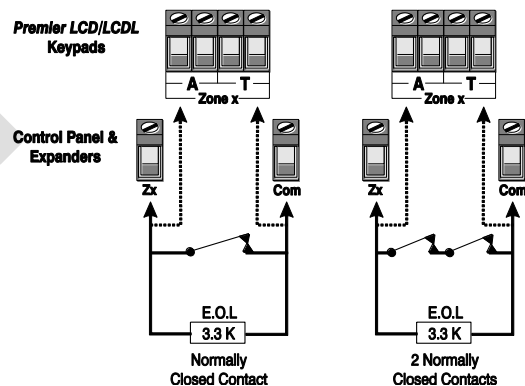
Single EOL – S/C Tamper

Use this wiring configuration when connecting just normally closed detection devices to the zone and when a tamper response is required in the event of a short circuit. Ensure that the zone is programmed for Single EOL - S/C Tamper operation (see page 27). Wire Single EOL - S/C Tamper zones as shown for Single EOL - N/C.

Double EOL

Use this wiring configuration when connecting detection devices to a zone that requires alarm/tamper monitoring. Ensure that the zone is programmed for Double EOL operation (see page 27). The zone must be wired as follows:
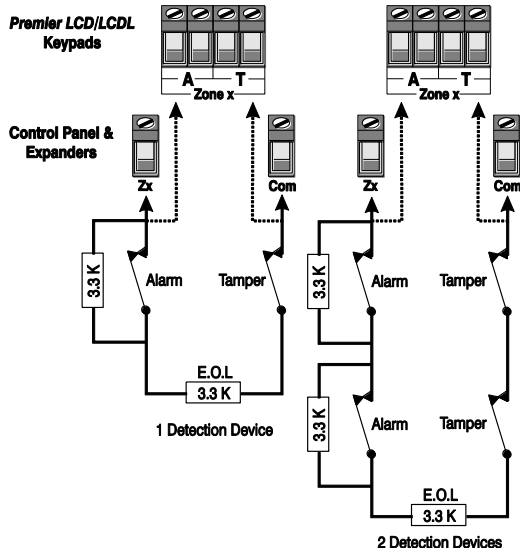
Zone Doubling

This wiring option allows you to wire two detection devices into one set of zone connections. However, the system will treat each device, as if it were connected to a separate zone, i.e., each device is fully programmable.

NOTE When using this configuration, the system must be fitted with the appropriate keypad, *Premier RKP16* on the *Premier 816* and the *Premier RKP8* on the *Premier 412*.

When a zone is configured for "Zone Doubled" it must be wired as follows:
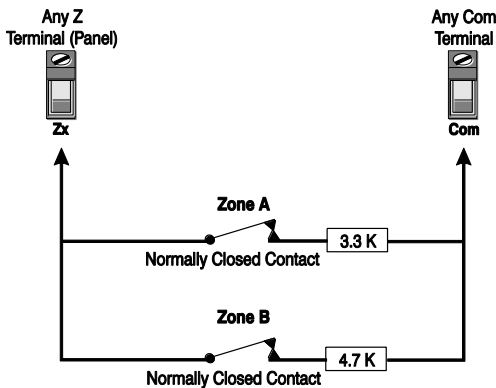
The following table shows how each physical zone is mapped when using the "Zone Doubled" configuration:

Premier 412		
Panel Zone	**Zone A**	**Zone B**
1	1	5
2	2	6
3	3	7
4	4	8
Premier 816/832		
Panel Zone	**Zone A**	**Zone B**
1	1	9
2	2	10
3	3	11
4	4	12
5	5	13
6	6	14
7	7	15
8	8	16

NOTE Zones above 9 on either the *Premier 8X/8XE Expander* MUST not be configured for "Zone Doubled".

The *Premier 8X/8XE Expander* cannot be used on the *Premier 816/832* control panels if any of zones 1 - 8 are configured as "Zone Doubled".

Triple EOL

This wiring option is designed to be used with Texecom detectors that support Triple EOL (T-EOL) wiring. Ensure that the zone is programmed for Triple EOL operation (see page 27). The zone must be wired as follows:

Premier LCD/LCDL Keypads

Control Panel & Expanders
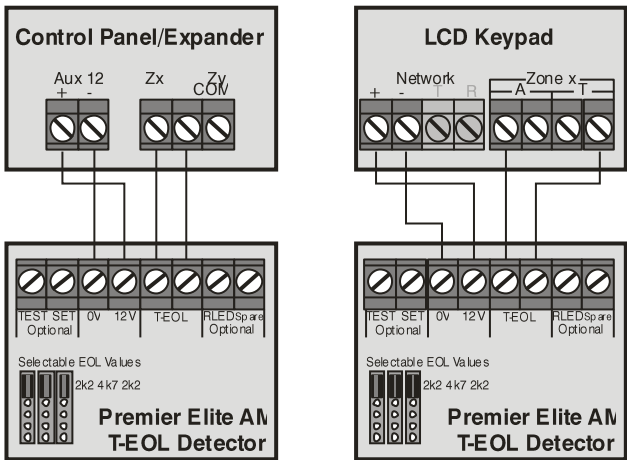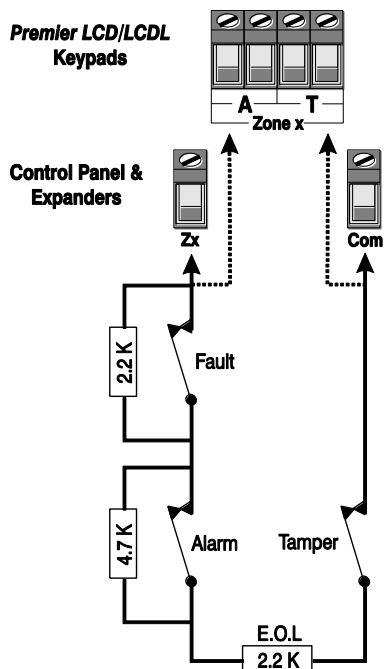
NOTE Triple EOL wiring can only be used on remote keypads and remote expanders that are fitted with V7.1 software or above..

Double Pole

This wiring configuration can only be used on the *Premier LCD/LCDL* remote keypads. It provides monitoring for alarm and tamper using normally closed detection devices. Ensure that the zone is programmed for Double EOL operation (see page 27). The zone must be wired as follows:

Premier LCD/LCDL Keypads

2 Normally Closed Contacts

1 Normally Closed Contact
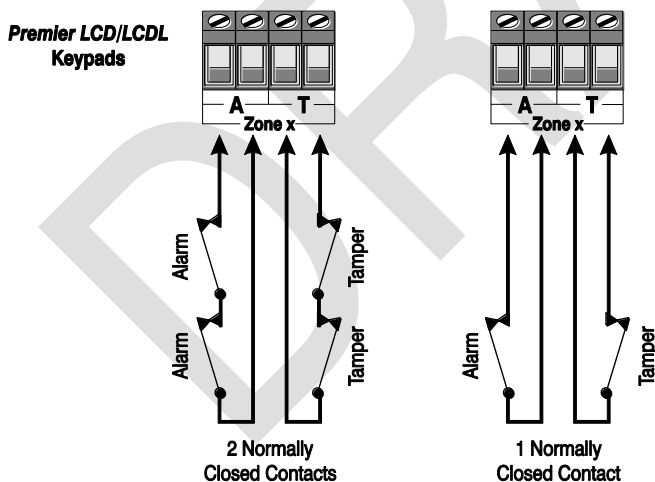
2-Wire Smoke Detector

Compatible 2-wire smoke detectors such as the ESL429AT or System Sensor 2100TS can be connected as shown:

Output 1 Must be Enabled for 2 Wire Smoke Detectors

2-Wire Smoke Detector
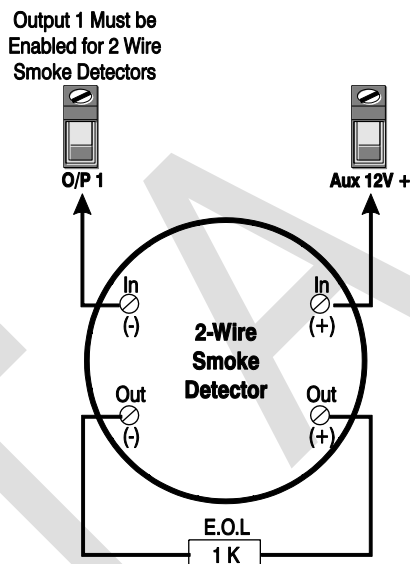
NOTE Panel Output 1 must be enabled for 2-wire smoke detection (see page 36 for details).

The jumper link fitted across JP1 (Enabled 2-Wire Smoke Det.) MUST be removed.

The maximum number of detectors is 20.

Speaker/Bell Connections

The Siren/Spk output terminals on the main PCB can be configured for Speaker or Siren/Bell operation.

Speaker Operation

When configured as speaker operation the output can be used for driving 8 or 16 Ohm loud speakers as shown:

8 Ohm Speaker

8 Ohm Speaker

8 Ohm Speaker

8 Ohm Speaker
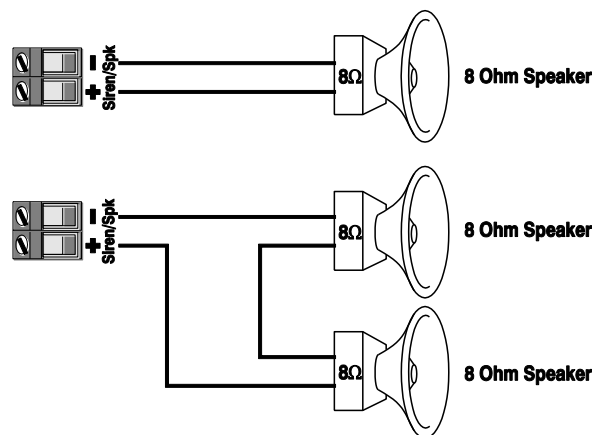
NOTE The Siren/Spk output must be enabled for speaker driver (see page 36 for details).

Siren/Bell Operation

When configured as bell operation the output terminals provide up to **750mA** of power for driving bells as shown:

NOTE For EN50131 & INCERT Installations the bell Aux/Tamper must be wired to a zone.

Bell/Siren
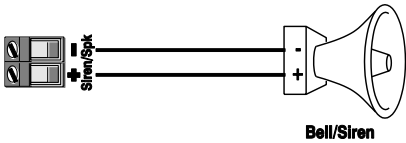
NOTE The Siren/Spk output must be enabled for bell driver (see page 37 for details).

Siren/Spk Supervision

The Siren/Spk output is supervised, if no warning devices are fitted, either disable Siren Supervision (see page 38 for details) or connect a 1KΩ resistor between the Siren terminals as shown:

if no warning devices are fitted, connect a 1K resistor as shown.

Telephone Line Connections

The control panel has a built in digital communicator and modem, which is used for communicating with an alarm receiving centre and for downloading. If either of these features are used, a telephone line must be connected to the control panel as shown:
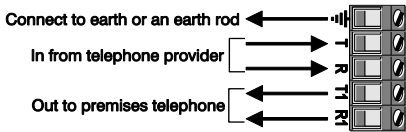
Connect to earth or an earth rod

In from telephone provider

Out to premises telephone

⚠ **Failure to fit an earth cable may prevent proper operation of the system and will invalidate the Texecom warranty and product approvals.**

Panel Outputs 1 - 8

The control panel has eight programmable outputs, which can be used to drive auxiliary devices such as relays, LED's, smoke detectors etc. The table shows the electrical characteristics for each output:

Panel Outputs			
No	Supervised	Max Current	Type
1	Yes	1 Amp	Switched –ve
2	Yes	1 Amp	Switched –ve
3	No	100mA	Switched –ve
4	No	100mA	Switched –ve
5	No	100mA	Switched –ve
6	No	100mA	Switched –ve
7	No	100mA	Switched –ve
8	No	100mA	Switched –ve

Output Wiring

The figure below shows some typical wiring examples:

LED Indication

12V Buzzer

Relay Driver
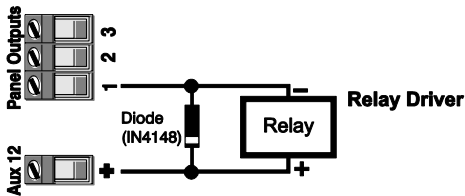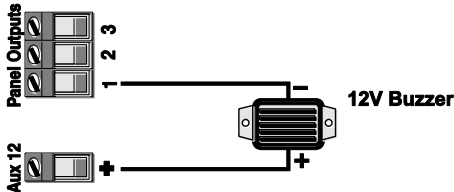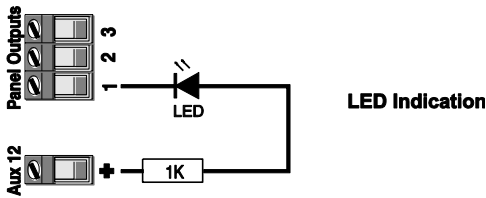
Output Supervision

Panel outputs 1 and 2 are supervised, if either output is unused, either disable the relevant output supervision (see page 38 for details) or connect a 1KΩ resistor between the relevant output terminal and Auxiliary 12V+ as shown:

If output 1 or 2 is unused, connect a 1K resistor as shown.
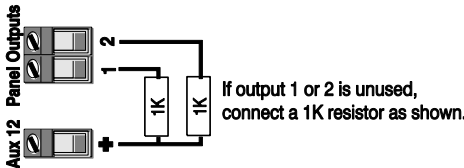
3. Commissioning & Troubleshooting

Commissioning

Once ALL connections have been made to the control panel and power is ready to be applied, you should read this section before continuing.

The control panel leaves the factory with default settings. For a complete list of factory default settings, please refer to the programming worksheets from page 86.

- Connect the black battery lead to the negative (−) terminal of the standby battery and the red battery lead to the positive (+) terminal of the standby battery. The green power light on the main PCB will flash whilst the default values are being loaded.

- If the system has gone into an alarm condition, enter the default Master User code ⑤⑥⑦⑧. The alarm tone will then stop.

- To access the Engineer Programming Menu, **enter the default Engineer code ①②③④ and press** 📋 **followed by** ⑨. All the zone lights will illuminate.

- Panels with V16 or later firmware installed will use the start-up procedure found on page 23

- Confirm Devices see page 22

- Program the system date and time, see page 69.

- Select the Language, see page 36.

- Select the Country Code, see page 36.

- Program the system as described in the next section (Programming the Control Panel).

- Perform a walk test as described on page 69. Remember that some powered detectors (e.g. PIRs and combined technology detectors) take several minutes to warm up and become operational.

- Test the internal sounder, external sounder and strobe as described on page 69.

- Replace the lid and secure with the two lid screws supplied - **do not over-tighten**.

- Replace the screw covers.

- **Press** 📋 to leave the programming menus. All the zone lights will turn off.

- The **Service** light will be flashing to indicate that action is required. Switch on the mains supply to the control panel. The **Service** light will stop flashing and stay on continuously.

> **Installation is now complete and the system is ready for use.**

Troubleshooting

Power Faults

No Power to Unit (mains only)
- Check the mains block fuse and replace if blown.

- Check for any loose wires at the mains block, the transformer and the AC terminals on the PCB.

- Check the mains block is connected correctly; live to live (brown), neutral to neutral (blue).

No Power to Unit (battery only)
- Make sure the "Kick Start" pins have been shorted together.

- Check for any loose wires at the BATT terminals on the PCB.

- Check that the battery wires are connected correctly; red from BATT+ to the battery positive [+], black from BATT- to the battery negative [−].

Remote Keypads

Keypad Does Not Operate at All
- Check that the remote keypad is wired correctly from the control panel.

- Check that the network fault indicator is off. If the indicator is on, the electronic fuse has activated indicating a short circuit across the [+] and [−] of the network terminals.

Keypad Does Not Accept Access Codes
- If the system has more than one remote keypad check that each keypad is addressed differently, see page 12 for details. The address of a keypad can be checked by pressing the 🔳 and 🔳 keys together, the address is displayed by the relevant zone light.

- Check that the remote keypad is wired correctly.

- If the remote keypad is on a cable run that is longer than 100m, check the voltage between the [+] and [−] terminals at the remote and ensure that it measures no less than 10.0V.

- Check that you are using the correct Access code. The default Engineer code is ①②③④ and the default Master User code is ⑤⑥⑦⑧.

- Check that the User code you are using is not "Time Locked", if the User code is time locked then the Access code will only be accepted when Control Timer 1 is off, see page 66 for further details.

Keypad Does Not Generate Alarm Tones etc.
- Each keypad can be configured so that the alarm, entry, exit, chime tones etc. can be enabled or disabled. Check that the keypad has been programmed correctly, see page 42 for details.

Keypad Emergency Keys Do Not Operate
- Each keypad can be configured so that the emergency keys **FIRE**, **POLICE** and **MEDICAL** can be enabled or disabled. Check that the keypad has been programmed correctly, see page 42 for details.

Remote Expander

Expander Does Not Operate at All
- Check that the expander is wired correctly from the control panel.

- Check that the network fault indicator is off. If the indicator is on, the electronic fuse has activated indicating a short circuit across the [+] and [−] of the network terminals.

System Does Not Recognise Zones 9 to 16
- If the expander is on a cable run that is longer than 100m, check the voltage between the [+] and [−] terminals at the remote and ensure that it measures no less than 10.0V.

The Speaker Output Does Not Work

- The expander can be configured so that the alarm, entry, exit, chime tones etc. can be enabled or disabled. Check that the expander has been programmed correctly, see page 44 for details.

- The speaker volume on the expander is electronically adjustable. Check the volume is set to the desired level, see page 44 for details.

Zones

One or More Zones Show an Alarm

- Each zone on the system can be configured for different wiring options. Check that the zones are programmed for the correct wiring configuration, see page 27 for further details.

- Check that the zone is wired correctly, see page 15 for further details.

Service Faults

If the Service light is on or flashing then the system has detected one or more fault conditions, for details on how to view and acknowledge Service Faults see page 75.

On Power-Up the Service Light is On

- When the system is powered-up the system date and time are incorrect. This will cause a Date/Time Loss fault, to clear this fault, program the system date and time, see page 69.

- If the battery presence check is enabled the system will check the battery every 30 seconds. If the system does not have a battery connected then a battery fault will be generated. To clear this fault either connect a battery or disable the battery presence check, see page 36.

- Panel outputs 1 and 2 are supervised outputs, if you have not connected a device to either of these outputs the system will generate an output fault. To clear this fault either fit 1K load resistors between the outputs and +12V, see page 19 or disable the monitoring of outputs 1 and 2, see page 38.

- The Siren output is a supervised output, if you have not connected a device to this output the system will generate a siren fault. To clear this fault either fit 1K load resistors between the siren terminals, see page 19 or disable the monitoring of the siren output, see page 38.

Communicator

The Communicator Will Not Dial

- By default the communicator is disabled, check that the communicator is enabled, see page 52.

- Check that the telephone line has been correctly wired to the control panel.

- Check that the primary telephone number is programmed correctly, see page 52.

- Check that the primary account number is programmed correctly, see page 53.

- Check that the primary protocol is programmed correctly, see page 53.

- Check that the primary dial attempts is not programmed as zero, see page 53.

- Check that the primary reporting partitions have been programmed correctly, see page 53.

- Check that the primary reporting options have been programmed correctly, see page 54.

Communicator Dials But Does Not Communicate

- Check that the primary telephone number is programmed correctly, see page 52.

- Check that the primary account number is programmed correctly, see page 53.

- Check that the primary protocol is programmed correctly, see page 53.

- If you are using either Pulse or Express formats check that the protocol is configured correctly, see page 54.

Operation

The System Will Not Allow Arming

- Check that there are no outstanding Service Faults, see page 75.

- Check that there are no outstanding alarms that require resetting, see page 75.

- Check that the User code has been programmed to allow arming, see page 66.

- Check that the User code has been assigned to the correct partition(s), see page 66.

- If the User code is programmed for "Local Partition Access Only" (see page 67) then ensure that the keypad that is being used is assigned to the correct partition, see page 42.

The System Will Not Allow Disarming

- Check that the User code has been programmed to allow disarming, see page 66.

- Check that the User code has been assigned to the correct partition(s), see page 66.

- If the User code is programmed for "Local Partition Access Only" (see page 67) then ensure that the keypad that is being used is assigned to the correct partition, see page 42.

4. Programming the Control Panel

Introduction

All engineers should read this section carefully so as to familiarise themselves with the programming of the control panel.

The programming menus can only be accessed when the control panel is fully disarmed. **Enter the default Engineer code ① ② ③ ④ and press 🔳 followed by ⑨** to access the program menus:

```
    Enter Engineers code
        ① ② ③ ④

    Then press 🔳 then ⑨
```

⬇

```
Programming Menu
Enter Code >  ??
```

```
🔊 ○ ● ● ● ● ● ● ● ○ ☀
↗ ○                  ☼ ✓
```
All Zone lights lit and Ready light flashes

⬇

```
   Enter menu command
        ? ?
```
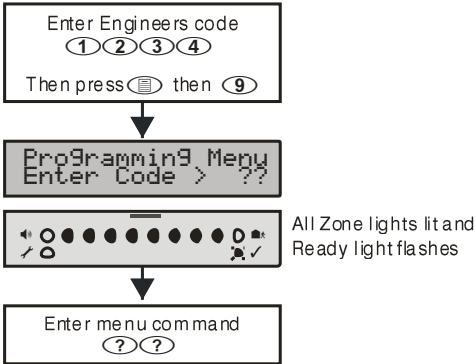
A programming menu is selected by entering a two-digit menu code. On completion of each menu option, the system reverts to the main programming menu, allowing other programming menu options to be accessed.

To exit the programming menu **enter ⑨ ⑨** or **press the 🔳** key, the system will revert to normal operation:

```
Programming Menu
Enter Code >  ??
```

```
▬○ ● ● ● ● ● ● ● ●○▬
▬○                ☼ ✓
```
All Zone lights lit and *Ready* light flashes

⬇

```
To exit programming mode,
enter ⑨ ⑨ or press 🔳
```

```
   Premier 816
  12:45.59 28/04
```
LCD shows banner text and time/date.

```
▬○ ○ ○ ○ ○ ○ ○ ○ ○○▬
▬○                ● ▬
```
All zones clear and *Ready* light on.
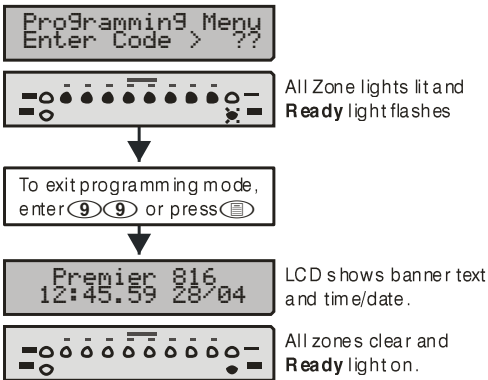
📝 **NOTE** If the "EN 50131-1 Requirements" option is programmed as enabled (see page 37) the Engineer code will only be accepted after a user has authorised Engineer access. For

information on complying with EN 50131-1 please refer to page 79.

Viewing Numeric Data (LED Keypads)

When programming numeric data, the value of the data may be viewed by pressing the 🔘 key. The keypad will flash the value in sequence using the following lights:

Alarm = 0	Zone 5 = 5
Zone 1 = 1	Zone 6 = 6
Zone 2 = 2	Zone 7 = 7
Zone 3 = 3	Zone 8 = 8
Zone 4 = 4	Armed = 9

Programming Text (LCD Only)

Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press ⬍ to move the cursor along).

The table below shows the keys to use and the characters that are assigned to them:

Key	Characters								
①	.	,	?	!	1	@	"	-	&
②	a	b	c	2	A	B	C		
③	d	e	f	3	D	E	F		
④	g	h	i	4	G	H	I		
⑤	j	k	l	5	J	K	L		
⑥	m	n	o	6	M	N	O		
⑦	p	q	r	s	7	P	Q	R	S
⑧	t	u	v	8	T	U	V		
⑨	w	x	y	z	9	W	X	Y	Z
⓪	_	0	,	#	*	Custom characters			
⬍	Move cursor left and right								
↻	Backspace (delete)								
✓	Accept text								

V16 Start up Procedure

V16 sees a new start-up procedure allowing selection of the control panel language, loading specific country defaults and confirming devices connected to the panel network at start-up.

Premier RKP8 & 16 LED Keypads

For LED keypads there is no change to the current operation. Bypassing the requirement to set the language and country code at initial power up is as follows.

- Power up the panel
- Enter the default engineers code ①②③④
- Press 🗐 then 9

You are now in the programming menu and can continue as you did with previous versions of the panel.

Premier LCD Keypads

As with LED keypad operation, the requirement to set the language and country code can be bypassed. The procedure is identical to that shown for LED keypads.

On powering up the panel the following sequence will be presented. You can exit this procedure at anytime by using the keys detailed in the Options column.

Action	Display	Options
Enter the default engineers code ①②③④	Set Language? YES to Select	Press 🗐 takes you to the Arming Menu Press ✗ takes you to the Confirm Devices Menu Press 🕐 takes you to the Confirm Devices Menu
Press ✓ and use the ⬍ key to select the desired language	Language English	Press 🗐 takes you to the Confirm Devices Menu Press ✗ takes you to the Confirm Devices Menu Press 🕐 takes you to the Confirm Devices Menu
Press ✓ to confirm Language	Set Country? YES to Select	Press 🗐 takes you to the Arming Menu Press ✗ takes you to the Confirm Devices Menu Press 🕐 takes you to the Confirm Devices Menu
Press ✓ and use the numeric keys to enter the desired country code.	Country Code Enter Value: 027	Press 🗐 takes you to the Confirm Devices Menu Press ✗ takes you to the Confirm Devices Menu
The panel will now load the defaults for the country code selected.	Confirm Devices YES to Select	Press 🗐 takes you to the Arming Menu Press ✗ takes you to the Programming Menu Press 🕐 takes you to the Programming Menu
Press ✓ and check that all devices installed are shown.	Net RKP>1..... Net Exp>...	Press 🕐 takes you to day mode. You will be prompted to confirm devices when you log in again.
Press ✓.	Confirm Devices YES to Confirm	Press 🕐 takes you to day mode. You will be prompted to confirm devices when you log in again.
Press ✓.	Program Time YES to Select	Press 🗐 takes you to the Arming Menu Press 🕐 takes you to the Arming Menu
Press ✓ and use the numeric keys to enter the correct time.	Program Time > 00:17	Press 🗐 takes you to the Programming Menu Press ✗ takes you to the Programming Menu
You will be prompted to programme the correct date	Program Date YES to Select	Press 🗐 takes you to the Arming Menu Press 🕐 takes you to the Arming Menu
Press ✓ and use the numeric keys to enter the correct date.	Program Date > 18/05/15	Press 🗐 takes you to the Programming Menu Press ✗ takes you to the Programming Menu
You are now at the Programming Menu	Programming Menu Enter Code > ??	Press 🗐 takes you to day mode Press 🕐 takes you to day mode

> **NOTE** *If confirm devices is not carried out you will be prompted every time you login as an engineer to carry out this function. If the date & time are not set then the engineer or user will be prompted when they login, and each time until the date and time are set.*

Program Menus

Menu	Function	Page
Programming Zones		
1 0	All Zone Options	26
1 1	Zone Type	26
1 2	Zone Wiring	27
1 3	Zone Attributes 1	27
1 4	Zone Attributes 2	28
1 5	Zone Attributes 3	28
1 6	Zone Partitions & Groups	29
1 7	Zone Text	29
1 8	Assign Radio Device	29
Programming Partitions		
2 0	Partition Exit Time	31
2 1	Partition Entry Delay 1 Time	31
2 2	Partition Entry Delay 2 Time	31
2 3	Partition Communicator Delay	31
2 4	Partition Bell Delay	31
2 5	Part Bell Duration	31
2 6	Partition Options	31
2 7	Partition Auto Arm/Disarm	32
2 8	Equipment Areas	32
Programming Global Options		
3 0	System Timers	35
3 1	System Counters/Levels	36
3 2	System Control Timers	36
3 3	System Options 1	36
3 4	System Options 2	37
3 5	System Options 3	37
3 6	Hardware Options	38
3 7	Auxiliary Input Options	38
3 8 - 1	Miscellaneous Options 1	38
3 8 - 2	Miscellaneous Options 2	38
3 8 - 3	Miscellaneous Options 3	38
3 9	EN50131 Options	39
Programming Remote Keypads		
4 0	Keypad Options 1	42
4 1	Keypad Options 2	42
4 2	Keypad Options 3	42
4 3	Keypad Options 4	43
Programming Remote Expanders		
5 0	Expander Partitions	44
5 1	Expander Tones	44
5 2	Expander Volume Level	44

Menu	Function	Page
Programming System Outputs		
6 0	Panel Outputs	47
6 1	Fast Format Channels	47
6 2	Expander 1 Outputs	47
6 3	Expander 2 Outputs	47
6 4	Expander 3 Outputs	47
6 5	Keypad Outputs	47
Programming The Communicator		
7 0	Communicator Options	52
7 1	ARC 1 Communicator Options	52
7 2	ARC 2 Communicator Options	55
7 3	Fast Format Restore Channels	55
7 4	Fast Format Open/Close Channels	56
7 5	Cancel Call Waiting	56
Programming Download Option		
7 6	Download Menu	60
Programming Reporting Codes		
7 7	Zone Alarm/Restore Codes	63
7 8	Zone Bypass/Unbypass Codes	63
7 9	Non Zone Alarm/Restore Codes	63
Programming Users		
8 0	Program User	66
8 1	User Options 1	66
8 2	User Options 2	66
8 3	User Options 3	67
8 4	User Text	67
8 5	Program Standard Users	67
8 6	Default All Users	67
System Tests and Utilities		
9 0	Walk Test	69
9 1	Test Speakers and Outputs	69
9 2	Send Test Call	69
9 3	Enable Download Access	69
9 4	Start Call Back	69
9 5	Program Time	69
9 6	Program Date	69
9 7	Program Banner Text	69
9 8	Print 100 Events	69
9 9	Log Off Engineer	69

Programming Zones

Enter Engineers code
? ? ? ?
Then press 🗏 then 9

Programming Menu
Enter Code > ??

Led Key
○ Off
● On
✹ Slow Flash
✸ Fast Flash

All Zone Options

1 0 → All Zone Options
Enter Zone No.??

Enter Zone Number
?.?.

Enter Zone Type
Enter Wiring Type
Select Attributes 1
Select Attributes 2
Select Attributes 3
Select Partitions/Groups

Zone Types
0 0 Null
0 1 Delay 1
0 2 Delay 2
0 3 Interior Follower
0 4 Interior Instant
0 5 Perimeter Instant
0 6 Fire
0 7 PA Silent
0 8 PA Audible
0 9 Medical
1 0 24-Hour Tamper
1 1 Trouble
1 2 24-Hour - Gas
1 3 24-Hour - Water
1 4 24-Hour - High Temp
1 5 24-Hour - Low Temp
1 6 Momentary Keyswitch
1 7 Maintained Keyswitch
1 8 Push To Set

Zone Type

1 1 → Zone 00 Type
Enter Zone No.??

Enter Zone Number
?.?.

Zone 01 Type
Delay 1

Enter Zone Type ? ?
LCD: Use ⊜ to scroll type then press ✓

Zone Wiring

1 2 → Zone 00 Wiring
Enter Zone No.??

Enter Zone Number
?.?.

Zone 01 Wiring
Normally Open

Enter Wiring Type 0 - 8
LCD: Use ⊜ to scroll type then press ✓

Wiring Types
0 Normally Closed
1 Normally Open
2 Single EOL - N/C & N/O (Burglary)
3 Single EOL - N/O (Fire)
4 Single EOL - N/C
5 Single EOL - O/C Tamper
6 Single EOL - S/C Tamper
7 Double EOL
8 Zone Doubled
9 Triple EOL

Zone Attributes 1

1 3 → Zone 00 Att. 1
Enter Zone No.??

Enter Zone Number
?.?.

Zone 01 Att. 1
> *2****7* <

Use keys 1 - 8 to select/deselect Attributes. Then press ✓ or 🔲

Zone Attributes 1
1 Enable Instant Internals
2 Enable Bell
3 Delayed Bell
4 Pulsed Bell
5 Enable Instant Strobe
6 Enable User Chime
7 Enable Transmission Delay
8 Enable Transmission

Zone Attributes 2

1 4 → Zone 00 Att. 2
Enter Zone No.??

Enter Zone Number
?.?.

Zone 01 Att. 2
> 12**5*7* <

Use keys 1 - 8 to select/deselect Attributes. Then press ✓ or 🔲

Zone Attributes 2
1 Enable Manual Bypass
2 Enable Stay Bypass
3 Enable Force Arming
4 Enable Quick Response Time
5 Enable Cross Zoning
6 Enable Soak Test
7 Enable Swinger Shutdown
8 Enable Double Knock

Continues on
Next Page

From
Previous Page

Zone Attributes 3

(1)(5) → Zone 00 Att. 3
Enter Zone No.??

Enter Zone Number
(?)(?).

→ Zone 01 Att. 3
> 1******** <

Use keys (1) - (8) to
select/deselect Attributes.
Then press (Yes) or (Arm)

Zone Partitions & Bypass Groups

(1)(6) → Zone 00 Areas
Enter Zone No.??

Enter Zone Number
(?)(?).

→ Zone 01 Areaas
> 1******** <

Use keys (1) - (8) to
select/deselect Attributes.
Then press (✓) or (image)

Zone Partitions & Bypass Groups
(1) Enabled for Partition 1
(2) Enabled for Partition 2
(3) Enabled for Partition 3
(4) Enabled for Partition 4
(5) Enabled for Bypass Group 1
(6) Enabled for Bypass Group 2
(7) Enabled for Bypass Group 3
(8) Enabled for Bypass Group 4

Zone Text

(1)(7) → Zone Name
Zone 01 Text

Use (↕) to select Zone.
Press (No) to edit text.

→ Zone Name
^one 01 Text

Use keys to enter/edit text.
Then press (✓) to accept.

Text Editing Keys
(1) . , ? ! 1 @ " - &
(2) a b c 2 A B C
(3) d e f 3 D E F
(4) g h I 4 G H I
(5) j k l 5 J K L
(6) m n o 7 M N O
(7) p q r s 7 P Q R S
(8) t u v 8 T U V
(9) w x y z 9 W X Y Z
(0) Space 0 , # *
(↕) Move Left/Right
(↺) Backspace (delete)

Assign Radio Device

(1)(8) → Assign 00 Radio
Enter Zone No.??

Enter Zone Number
(?)(?).

→ Assign 09 Radio
Ativate Device

Activate Tamper or Learn
button on Radio Device

All Zone Options   (1)(0)

This menu option allows you to program the Zone Type, Zone Wiring, Zone Attributes 1, Zone Attributes 2, Zone Attributes 3 and Partitions & Bypass Groups all in one sequence.

Zone Type   (1)(1)

How the alarm system responds, when a zone is violated depends on the zone type. The following zone types are available:

(0)(0) Null

A zone that is not monitored by the system, unused zones should be programmed as Null zones.

(0)(1) Delay 1

This zone type is normally used for entry/exit detection. The zone can be violated during the exit delay without causing an alarm. Once the system/partition is armed, activation of the zone will start the Entry Delay 1 timer for the selected partition. The user must disarm the system before the entry timer elapses or the system will generate an alarm.

(0)(2) Delay 2

Operates as Delay 1, but uses Entry Delay 2 timer for the selected partition.

(0)(3) Interior Follower

This zone type is normally used for interior detection devices, such as passive infrared sensors. The zone will not cause an alarm if violated during the entry delay. However, if the zone is violated before the entry delay has started, it will generate an instant alarm.

(0)(4) Interior Instant

This zone type is normally used for interior detection where an instant response is required. The zone will cause an instant alarm if it is violated when the system/partition is armed.

(0)(5) Perimeter Instant

This zone type is normally used for perimeter protection, windows, patio doors etc. The zone will cause an instant alarm if it is violated when the system/partition is armed.

(0)(6) Fire

This zone type is normally used for monitoring smoke detectors. The zone will cause a unique alarm with distinctive 'fire' tone if it is

violated when the system/partition is armed or disarmed. In addition, the bell output will be pulsed rather than sounding continuously as with a normal alarm.

If the "Double Knock" attribute is enabled on a Fire zone, the zone will behave as a verified fire zone. On the first activation the panel will start the "Double Knock" timer then remove power to the smoke detector (Sensor Reset on Reset) for a short period, then reapply the power (to reset the detector). If the detector activates again before the timer expires the panel will generate a verified fire alarm condition.

⓪⑦ PA Silent

This zone type is normally used for monitoring Panic or hold-up alarms. The zone will cause a silent alarm if it is violated when the system/partition is armed or disarmed.

⓪⑧ PA Audible

This zone type is normally used for monitoring Panic or hold-up alarms. The zone will cause an instant audible alarm if it is violated when the system/partition is armed or disarmed.

⓪⑨ Medical

This zone type is normally used for monitoring medical alarms. The zone will cause a silent alarm if it is violated when the system/partition is armed or disarmed.

①⓪ 24-Hour Tamper

This zone type will cause an instant audible alarm if it is violated when the system/partition is armed or disarmed.

①① Trouble

This zone type will cause an internal alarm (keypads and speaker) if it is violated when the system/partition is armed or disarmed.

①② 24-Hour - Gas

This zone type will cause a silent alarm if it is violated when the system/partition is armed or disarmed. The panel will report a 24-Hour Gas alarm to the monitoring station if communication is enabled.

①③ 24-Hour - Water

This zone type will cause a silent alarm if it is violated when the system/partition is armed or disarmed. The panel will report a 24-Hour Water alarm to the monitoring station if communication is enabled.

①④ 24-Hour - High Temperature

This zone type will cause a silent alarm if it is violated when the system/partition is armed or disarmed. The panel will report a 24-Hour High Temperature alarm to the monitoring station if communication is enabled.

①⑤ 24-Hour - Low Temperature

This zone type will cause a silent alarm if it is violated when the system/partition is armed or disarmed. The panel will report a 24-Hour Low Temperature alarm to the monitoring station if communication is enabled.

①⑥ Momentary Key Switch

This zone type can be used to arm/disarm and reset one or more partitions. When the zone is violated and then secured the system will arm the partition(s) assigned to the zone. When the zone is subsequently violated and then secured, the system will disarm the partition(s) assigned to the zone. Operating this zone following an

alarm condition resets the assigned partition(s). The operation of this zone type can be further changed, see "Zone Attributes 3" on page 29.

①⑦ Maintained Key Switch

This zone type can be used to arm/disarm and reset one or more partitions. When the zone is violated the system will arm the partition(s) assigned to the zone. When the zone is subsequently secured, the system will disarm the partition(s) assigned to the zone. Operating this zone following an alarm condition resets the assigned partition(s). The operation of this zone type can be further changed, see "Zone Attributes 3" on page 29.

①⑧ Push to Set

This zone type is used to arm the system/partition. When the system is armed, the panel will provide an infinite exit delay. When a user violates and restores the Push to Set zone, the panel will wait 5 seconds, then arm the system/partition.

NOTE To enable the Push to Set feature, the exit delay timer for the selected partition MUST be programmed to 255 seconds.

Zone Wiring   ①②

The zone wiring option determines how the detection device may be electrically wired to the zone input. It also determines what status conditions can be monitored. See page 15 for details on wiring zones.

The following wiring types are available:

⓪ **Normally Closed**
① **Normally Open**
② **Single EOL - N/C & N/O (Burglary)**
③ **Single EOL - N/O (Fire)**
④ **Single EOL - N/C**
⑤ **Single EOL - O/C Tamper**
⑥ **Single EOL - S/C Tamper**
⑦ **Double EOL**
⑧ **Zone Doubled**
⑨ **Triple EOL**

Zone Attributes 1   ①③

Zone Attributes 1 can be assigned to a zone to alter its default operation. The function of each attribute is described as follows:

① Enable Instant Internal Alarm Tones

On: The keypad sounder and speaker driver will sound immediately the zone causes an alarm.

Off: The keypad sounder and speaker driver will sound after the bell delay timer. (Zone must also be programmed for Delayed Bell).

② Enable Bell

On: The bell output will trigger when the zone causes an alarm.

Off: The bell output will not trigger.

③ Delayed Bell

On: The bell output is delayed when the zone causes an alarm.

Off: The bell output is instant.

④ Pulsed Bell

On: The bell output is pulsed on and off when the zone causes an alarm (Fire).

Off: The bell output is constant.

⑤ **Enable Instant Strobe**
On: The strobe output will trigger immediately the zone causes an alarm.
Off: The strobe output will trigger after the bell delay timer. (Zone must also be programmed for Delayed Bell).

⑥ **Enable User Chime**
On: The keypad sounder and speaker driver will generate a chime tone when zone is violated in the disarmed state.
Off: The zone will respond as normal.

⑦ **Enable Transmission Delay**
On: The on-board communicator will delay the alarm transmission to the monitoring station when the zone causes an alarm.
Off: The transmission is instant.

⑧ **Enable Transmission**
On: The on-board communicator will report the alarm status to the monitoring station when the zone causes an alarm.
Off: The alarm status is not reported.

Zone Attributes 2   ①④

Zone Attributes 2 can be assigned to a zone to alter its default operation. The function of each attribute is described as follows:

① **Enable Manual Bypass**
On: The user can bypass the zone.
Off: The user cannot bypass the zone.

② **Enable Stay Bypass**
On: The zone is automatically bypassed when the system is stay armed.
Off: The zone is not bypassed when stay armed.

③ **Enable Force Arming**
On: The user can arm the system/partition with the zone violated.
Off: The zone must be secure before the system/partition can be armed.

④ **Quick Response Time**
On: The zone response time is governed by the Zone Loop Response Timer (see page 35).
Off: The zone response time is fixed at 250ms.

⑤ **Enable Cross Zoning**
On: When two or more zones are programmed with this attribute, the system will start the Cross Zone Delay timer after the first zone is violated. If another Cross Zone is violated before the timer expires the system will report a Verified Cross Zone alarm.
Off: The zones report as normal.

⑥ **Enable Soak Test**
On: The zone is selected for soak test. During the soak test period the zone will not cause an alarm if violated, but the system will record the event in the log and indicate a Service Required Fault. This fault condition can only be cleared, by performing a "Reset" with the Engineer's code.
Off: The zone responds as normal.

⑦ **Enable Swinger Shutdown**
On: The zone will only rearm at the end of the bell duration providing the Swing Shutdown limit has not been reached.
Off: The zone always rearms at the end of the bell duration and subsequent violations of the zone will cause the system to reactivate the bell and report the alarm to the monitoring station.

⑧ **Enable Double Knock**
On: When a zone is enabled for Double Knock it will only cause an alarm when:
a) The zone remains violated for the duration of the "Cross Zone Time Window".
b) The zone is violated twice within the "Cross Zone Time Window".
c) If any two zones within the same partition with the "Double Knock" attribute are violated during the "Cross Zone Time Window".
Off: The zone responds as normal.

Zone Attributes 3   ①⑤

Zone Attributes 3 can be assigned to a zone to alter its default operation. The function of each attribute is described as follows:

① **Change to Delay 1 on Stay Arm**
On: The zone will change to a Delay 1 zone type when the system is Stay armed.
Off: The zone type will not change.

② **Change to Follower on Stay Arm**
On: The zone will change to a Follower zone type when the system is Stay armed.
Off: The zone type will not change.

③ **Zone Warning**
On: The panel will generate an internal alarm when the zone remains active for 2 minutes during the disarmed state.
Off: The panel will respond as normal.

④ **Auto Reinstate if Force Armed**
On: When a zone is force armed (bypassed), it will automatically be reinstated when the zone is secured.
Off: Force armed zones remain bypassed until the partition is disarmed.

⑤ **Disable Keyswitch when Away Armed**
On: The keyswitch zone is disabled once the system is Away armed, i.e., it cannot be used to disarm the selected partitions.
Off: The keyswitch zone can be used to arm and disarm the selected partitions.

⑥ **Disable Exit Faults**
On: The zone will not cause the panel to generate a fault tone or extinguish the "Ready" light, if violated during the exit mode.
Off: The zone behaves as normal.

⑦ **Truncate Exit Delay**
On: When the zone is activated during exit, the panel will truncate any remaining exit time to zero. This attribute would normally be used with Delay 1/Delay 2 zone types.
Off: The zone behaves as normal.

⑧ **Forced Walk Test**
On: When arming the system the zone will be indicated as active, if the zone has not been activated during the "Activity Time Window", see page 36. This will force the user to check that the zone is secure, on activating the zone the system will clear the indication from the remote keypad and the user may continue to arm the system. This feature can be used on detectors that are at risk of being masked or obscured in some way.
Off: The zone behaves as normal.

Zone Attributes 3 (Key Switch)   ① ⑤

When a zone is programmed as a Key Switch type Zone Attributes 3 options 3, 4 and 6 are used to change the operation of the Key Switch zone. The function of each attribute is described as follows:

③ **Key Switch is Instant Arming**
On: The key switch zone will arm the selected partitions immediately (no exit delay).
Off: The key switch zone will start exit timer for the selected partitions.

④ **Key Switch will Stay Arm/Disarm**
On: The key switch zone will Stay arm/disarm the selected partitions.
Off: The key switch zone will Away arm/disarm the selected partitions.

⑥ **Disable Auto Arm**
On: When a key switch zone with this attribute is active, it will disable the auto-arm feature for the partitions assigned to the zone. When the zone returns to the secure state the auto-arm feature is re-enabled.
Off: Keyswitch zones behave as normal.

⑦ **Monitor Only**
On: Any Activation/deactivation from this zone will be logged and reported to an ARC as a Keytube. There will be no notification on any keypads or alarm.
Off: Keyswitch zones behave as normal.

Zone Partitions & Groups   ① ⑥

Partitions allow the system to be divided into areas of protection so that different partitions can be armed and disarmed independently from each other. By default all zones are assigned to Partition 1, but if required a zone can be assigned to Partitions 1 - 4. If a zone is assigned to more than one partition it will only be armed when all partitions they are assigned to are armed.

The system has four Bypass Groups, these can be configured so that the user can select a predefined group of zones for bypassing.

The function of each attribute is described as follows:

① **Partition 1**
On: The zone is assigned to Partition 1.
Off: The zone is not assigned to Partition 1.

② **Partition 2**
On: The zone is assigned to Partition 2.

Off: The zone is not assigned to Partition 2.

③ **Partition 3 (*Premier 816/832* Only)**
On: The zone is assigned to Partition 3.
Off: The zone is not assigned to Partition 3.

④ **Partition 4 (*Premier 816/832* Only)**
On: The zone is assigned to Partition 4.
Off: The zone is not assigned to Partition 4.

⑤ **Group 1 Bypass**
On: The zone is assigned to Group 1 Bypass.
Off: The zone is not assigned to Group 1 Bypass.

⑥ **Group 2 Bypass**
On: The zone is assigned to Group 2 Bypass.
Off: The zone is not assigned to Group 2 Bypass.

⑦ **Group 3 Bypass**
On: The zone is assigned to Group 3 Bypass.
Off: The zone is not assigned to Group 3 Bypass.

⑧ **Group 4 Bypass**
On: The zone is assigned to Group 4 Bypass.
Off: The zone is not assigned to Group 4 Bypass.

NOTE   Zones must be assigned to at least one partition, if a zone is not assigned to a partition it will not respond to any alarm activation.

Zone Text (LCD Only)   ① ⑦

If the system is fitted with LCD remote keypad you can assign up to 16 characters of text to each zone. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press ⊕ to move the cursor along). For details on entering text, see page 22.

Assign Radio Device   ① ⑧

If the system is fitted with a *Radioplus™* or *Ricochet™* radio module this menu option is enabled. This menu is used to assign radio devices such as PIRs and Door Contacts to a zone on the system. Radio devices can be assigned to any of the available zones on the system.

Programming Partitions

Enter Engineers code
? ? ? ?
Then press 🗏 then 9

```
Programming Menu
Enter Code >  ??
```

Led Key
- ○ Off
- ● On
- ✳ Slow Flash
- ✸ Fast Flash

Exit Delay

2 0

```
Exit Delay
Partition No. ?
```

Enter Partition No. ?
0 to select ALL

```
Exit Delay
Enter Value: 005
```

Enter Exit Time ? ? ?

LCD: Use ⬍ to scroll value then press ✓

Note
If the system only has 1 partition, the option to enter the Partition No will NOT be displayed.

Entry Delay 1

2 1

```
Entry Delay 1
Partition No. ?
```

Enter Partition No. ?
0 to select ALL

```
Entry Delay 1
Enter Value: 030
```

Enter Entry Time ? ? ?

LCD: Use ⬍ to scroll value then press ✓

Entry Delay 2

2 2

```
Entry Delay 2
Partition No. ?
```

Enter Partition No. ?
0 to select ALL

```
Enrty Delay 2
Enter Value: 045
```

Enter Entry Time ? ? ?

LCD: Use ⬍ to scroll value then press ✓

Communication Delay

2 3

```
Coms Delay
Partition No. ?
```

Enter Partition No. ?
0 to select ALL

```
Coms Delay
Enter Value: 000
```

Enter Coms Delay ? ? ?

LCD: Use ⬍ to scroll value then press ✓

Bell Delay

2 4

```
Bell Delay
Partition No. ?
```

Enter Partition No. ?
0 to select ALL

```
Bell Delay
Enter Value: 001
```

Enter Bell Delay ? ? ?

LCD: Use ⬍ to scroll value then press ✓

Continues on
Next Page

From
Previous Page

Bell Duration

②⑤ → Bell Duration / Partition No. ? → Enter Partition No.⟨?⟩ / ⓪ to select ALL → Bell Duration / Enter Value: 015

Note
If the system only has 1 partition, the option to enter the Partition No will NOT be displayed.

Enter Bell Time ⟨?⟩⟨?⟩⟨?⟩

LCD: Use ⟨⟩ to scroll value then press ⟨✓⟩

Partition Options

②⑥ → Options / Partition No. ? → Enter Partition No.⟨?⟩ / ⓪ to select ALL → Options / > **34**** <

Use keys ① - ⑧ to select/deselect Options. Then press ⟨✓⟩ or ⟨⟩

Partition Options
① Enable Auto Bypass Mode
② Stay Armed Exit is Silent
③ Enable Remote Arming
④ Enable Remote Disarming
⑤ Enable Local Exit Tones
⑥ Stay Armed Entry is Instant
⑦ Stay Armed Exit is Delayed
⑧ Only Start Exit when Partition is Ready

Auto Arm/Disarm Options

②⑦ → Auto Arm/Disarm / Partition No. ? → Enter Partition No.⟨?⟩ / ⓪ to select ALL → Auto Arm/Disarm / > 1***5*** <

Use keys ① - ⑧ to select/deselect Options. Then press ⟨✓⟩ or ⟨⟩

Auto Arm/Disarm Options
① Auto Arm Partition with Control Timer 1
② Auto Arm Partition with Control Timer 2
③ Auto Arm Partition with Control Timer 3
④ Auto Arm Partition with Control Timer 4
⑤ Auto Disarm Partition with Control Timer 1
⑥ Auto Disarm Partition with Control Timer 2
⑦ Auto Disarm Partition with Control Timer 3
⑧ Auto Disarm Partition with Control Timer 4

Equipment Areas

②⑧ → Equipment Areas / Aux. Input Areas → Enter Equipment Option No.⟨?⟩ → Aux. Input Areas / > 1***.... <

Use keys ① - ④ to select/deselect Partitions. Then press ⟨✓⟩ or ⟨⟩

Equipment Options
⓪ Aux. Input Areas
① Panel Bell Areas
② Bell Squawk Areas
③ Masked when Armed

Partition Exit Delay   ②⓪

This timer controls the delay between the user initiating the exit procedure for the selected partition and the partition actually arming. If a 'Push to Set' zone is used for arming the partition, this timer must be set to 255 seconds.

Partition Entry Delay 1   ②①

If the user enters the premises via a 'Delay 1' zone, the system uses this timer to allow the user time to access the keypad and disarm the selected partition.

📝 **NOTE** The Entry Delay Timer must be set at 30 seconds or greater to comply with the requirements of EN50131.

Partition Entry Delay 2   ②②

If the user enters the premises via a 'Delay 2' zone, the system uses this timer to allow the user time to access the keypad and disarm the selected partition.

📝 **NOTE** The Entry Delay Timer must be set at 30 seconds or greater to comply with the requirements of EN50131.

Partition Communication Delay   ②③

This timer controls the delay between an alarm occurring in the selected partition and the panel reporting the alarm event to the alarm receiving centre.

Partition Bell Delay   ②④

This timer controls the delay between an alarm occurring in the selected partition and the bell output activating.

Partition Bell Duration   ②⑤

This timer controls the duration of the bell output after an alarm has occurred in the selected partition.

Partition Options   ②⑥

The function of the partition options is described as follows:

① **Enable Auto Bypass Mode**
On: The system will automatically Stay arm the selected partition if the user arms the system using the ARM button, but does not violate the entry/exit zone.
Off: The system will away arm the selected partition even if the entry/exit zone is not violated.

② **Stay Armed Exit is Silent**
On: The selected partition will not generate an exit tone when being Stay armed.
Off: The selected partition will generate exit tone.

③ **Enable Remote Arming**
On: The selected partition can be armed remotely via download software.
Off: The selected partition cannot be armed remotely.

④ **Enable Remote Disarming**

On: The selected partition can be disarmed remotely via the downloading computer.

Off: The selected partition cannot be disarmed remotely.

⑤ **Enable Local Exit Tones**

On: When arming the selected partition only the keypad that is being used will generate an exit tone.

Off: When arming the selected partition all keypads will generate an exit tone.

⑥ **Stay Armed Entry is Instant**

On: When the selected partition is Stay armed the entry/exit zone changes to instant.

Off: When the selected partition is stay armed the entry/exit zone is delayed.

⑦ **Stay Armed Exit is Delayed**

On: The selected partition will provide an exit delay when being Stay armed.

Off: The selected partition will arm instantly when being Stay armed.

⑧ **Only Start Exit when Partition is Ready**

On: When a user attempts to arm their partition, the system will only allow the exit mode to start if the partition is Ready (all zones secure).

Off: The system will allow the exit mode to start even if one or more zones are violated. If one or more zones are violated, the keypad will indicate the active zone(s) and generate a fault tone. The active zones must be secured before the exit time expires or the partition will not arm.

Partition Auto Arm/Disarm Options ②⑦

The system has four independent Control Timers that may be configured to switch on and off at different points of the day and days of the week (see page 36). One or more of these Control Timers can be used to automatically Arm or Disarm a selected partition:

① **Auto Arm Partition with Control Timer 1**

On: The selected partition is armed automatically when Control Timer 1 is switched ON.

Off: The selected partition is not armed automatically.

② **Auto Arm Partition with Control Timer 2**

On: The selected partition is armed automatically when Control Timer 2 is switched ON.

Off: The selected partition is not armed automatically.

③ **Auto Arm Partition with Control Timer 3**

On: The selected partition is armed automatically when Control Timer 3 is switched ON.

Off: The selected partition is not armed automatically.

④ **Auto Arm Partition with Control Timer 4**

On: The selected partition is armed automatically when Control Timer 4 is switched ON.

Off: The selected partition is not armed automatically.

📖 **NOTE**   When the control timer switches on, the panel will start a 2 minute exit timer. During the first 90 seconds of the exit timer the panel will generate a warning tone every 10 seconds. After which the panel will revert to a standard exit tone for the remaining 30 seconds.

⑤ **Auto Disarm Partition with Control Timer 1**

On: The selected partition is disarmed automatically when Control Timer 1 is switched OFF.

Off: The selected partition is not disarmed automatically.

⑥ **Auto Disarm Partition with Control Timer 2**

On: The selected partition is disarmed automatically when Control Timer 2 is switched OFF.

Off: The selected partition is not disarmed automatically.

⑦ **Auto Disarm Partition with Control Timer 3**

On: The selected partition is disarmed automatically when Control Timer 3 is switched OFF.

Off: The selected partition is not disarmed automatically.

⑧ **Auto Disarm Partition with Control Timer 4**

On: The selected partition is disarmed automatically when Control Timer 4 is switched OFF.

Off: The selected partition is not disarmed automatically.

Equipment Areas ②⑧

This option allows you to assign the following to partitions:

⓪ **Auxiliary Input Areas**

This option allows the Auxiliary input to be assigned to one or more partitions. This will affect how the Auxiliary input now functions, e.g. if the Auxiliary input is programmed as a "Latched Keyswitch" (see page 38) and is assigned to partition 3 and 4, the system will arm partitions 3 and 4 when the Auxiliary input is activated etc.

① **Panel Bell Areas**

This option allows the panel Bell output to be assigned to one or more partitions. This will affect how the Bell output operates, e.g. if the Bell output is assigned to partition 1 and 2, the panel Bell will only activate when an alarm occurs in either partition 1 or 2.

② **Bell Squawk Areas**

This option allows the Bell Squawk feature to be assigned to one or more partitions. This will effect how the Bell Squawk feature operates, e.g. if the Bell Squawk feature is assigned to partition 1 and 2, the panel Bell output and any outputs programmed as Bell will squawk when either partition 1 or 2 is armed/disarmed.

📖 **NOTE**   The Bell Squawk feature must also be enabled, see page 38.

③ **Masked when Armed**

When a partition is assigned to this option, the system will generate a full alarm if an Anti-Masking detector in the selected partition reports a "Masking" condition whilst the selected partition is armed. If the partition is unassigned, the system will only generate a "Zone Trouble alarm". The detector must be wired to the system using Triple EOL wiring configuration, as shown on page 17.

Programming Global Options

Enter Engineers code
? ? ? ?
Then press ▤ then 9

Programming Menu
Enter Code > ??

Led Key
▫ Off
● On
✖ Slow Flash
❋ Fast Flash

System Timers

3 0

System Timers
Enter Timer > ??

Enter Timer
Number ? ?

Line Fault Delay
Enter Value: 001

Enter New Time ? ? ? ?

LCD: Use ⬍ to scroll value
then press ✓

System Timers
0 0 AC Fail Delay
0 1 Line Fault Delay
0 2 Cross Zone Time
0 3 Zone Soak Test Time
0 4 Restore Reporting Delay
0 5 Output Short Pulse Time
0 6 Zone Response Time
0 7 Transmission Abort
0 8 Test Transmission Time
0 9 Courtesy Delay
1 0 Service Timer
1 1 2-Wire Verified Delay
1 2 Alarm Confirmation Delay
1 3 Activity Time Window
1 4 Poll IP Every

System Counters

3 1

System Counters
Enter 0 to 3 > ?

Enter Counter
Number ?

Swinger Shutdown
Enter Value: 003

Enter New Value ? ? ? ?

LCD: Use ⬍ to scroll value
then press ✓

System Counters
0 Swinger Shutdown Count
1 Panel Speaker Volume
2 Chime Volume
3 Clock Adjustment
4 Language
5 Country Code

Control Timers

3 2

Control Timers
Control Timer >?

Enter Control
Timer 1 - 4

Control Timers
> 00:00

Enter the **ON** Time
H H M M

Control Timers
> 1*****7. <

Use keys 1 - 7 to
select/deselect **ON** time Days.
Then press Yes or Arm

Control Timers
> 00:00

Enter the **OFF** Time
H H M M

Control Timers
> 1*****7. <

Use keys 1 - 7 to
select/deselect **OFF** time Days.
Then press ✓ or 🔔

Note
ON and OFF times must be entered in 24hr
format, e.g. 5.00pm = 17:00.

Days are selected as follows:
1 Sunday
2 Monday
3 Tuesday
4 Wednesday
5 Thursday
6 Friday
7 Saturday

Continues on
Next Page

From
Previous Page

System Options 1

```
System Options 1
> ****56*8 <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

System Options 1
① System Clock = Crystal
② Battery Connection Supervision
③ Battery Dynamically Load Tested
④ Panel NVM is Locked
⑤ Power Savings During AC Mains Failure
⑥ Line Fault Overrides Bell Delay
⑦ Two-Wire Smoke Detection on O/P 1
⑧ Convert Siren Output from Voltage to Speaker

③③

System Options 2

```
System Options 2
> 123**6** <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

System Options 2
① Tamper Alarms Cause a Trouble While Disarmed
② Tamper Alarms Cause a Trouble While Stay Armed
③ Defer Reporting of Non-Zone Restorals
④ Use Delay Timer to Defer Non-Zone Restorals
⑤ Inhibit Keyswitch Operation Upon EOL Tamper
⑥ Away Arm Overrides Alarm Transmission Delay
⑦ Defer Reporting of Zone Restorals
⑧ Use Delay Timer to Defer Zone Restorals

③④

System Options 3

```
System Options 3
> *2****7* <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

System Options 3
① Away Arm Exit Error Doesn't Sound Bell
② Zone Test - Silence on No Violation
③ Alarm Status Light Indicates Fire
④ Enable Entry/Exit Tones for Panel Speaker
⑤ Enable Cross Partitioning
⑥ Enable EN 50131-1 Requirements
⑦ Reinstate Bypassed Zones on Disarm
⑧ Invert Panel Siren Output

③⑤

Hardware Options

```
Hardware Options
> ***45678 <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

Hardware Options
① Panel Output 1 Supervised for Faults
② Panel Output 2 Supervised for Faults
③ Siren/Bell Output Supervised for Faults
④ Panel Box Tamper Switch Monitored
⑤ Auxiliary Fuse Supervised for Faults
⑥ Battery Supervised for Faults
⑦ AC Mains Supply is Monitored
⑧ Telephone Line Is Monitored

③⑥

Auxiliary Input Type

```
Aux Input Type
Not Used
```

Enter type ⓪ - ⑦
LCD: Use ⬍ to scroll type then press ✓

Auxiliary Input Types
⓪ Not Used
① Auxiliary Tamper
② Remote Reset
③ Telephone Line Monitor
④ Panic Alarm
⑤ Silent PA
⑥ Latched Keyswitch
⑦ Momentary Keyswitch

③⑦

From
Previous Page

Miscellaneous 1

(3)(8)

```
Miscellaneous 1
> ***4**** <
```

Use keys (1) - (8) to
select/deselect Options.
Then press (✓) or (📞)

Miscellaneous 2

(3)(8)

```
Miscellaneous 2
> ******** <
```

Use keys (1) - (8) to
select/deselect Options.
Then press (✓) or (📞)

Miscellaneous 2
(1) Disable Service Fault Acknowledgement
(2) Enable User Reset for Alarms
(3) Disable Online Printing
(4) Enable Bell Module & UK Options
(5) Enable DD 243:2002 Options
(6) Enable Confirmation after Entry Time-out
(7) Invert Auxiliary Input Operation
(8) Auto BST/GMT Time Change

Miscellaneous 3

(3)(8)

```
Miscellaneous 3
> ******** <
```

Use keys (1) - (2) to
select/deselect Options.
Then press (✓) or (📞)

Miscellaneous 3
(1) Enable User Tamper Reset
(2) Allow Engineer Access when Armed

En50131

(3)(9)

```
En50131
> ******** <
```

Use keys (1) - (8) to
select/deselect Options.
Then press (✓) or (📞)

EN50131
(1) Low FOB Battery Arming
(2) Indicate Zones on Soak Test
(3) Soak Test Acknowledgement
(4) Entry Stray Notification
(5) Entry Timeout Notification
(6) Expander Cable Cut or Short Circuit
(7) User Code Entry
(8) Power Failure Latch

System Timers   (3)(0)

These timers control the system timing and delay functions. The function of each timer is described as follows:

(0)(0) AC Fail Delay

This timer delays the audible indication following a mains (AC) failure.

(0)(1) Telephone Line Fault Delay

This timer delays the audible indication following a telephone line fault.

(0)(2) Cross Zone Time Window

If one or more zones have been programmed with 'Enabled Cross Zoning', the system will only generate a verified cross zone alarm if the zones are violated within this time window.

(0)(3) Zone Soak Test Time

This timer controls the number of days a zone is put on soak test. If a zone is violated during the soak test period it will not cause an alarm, however, the event will be logged and the zone that failed test will be indicated when the user disarms the system. The Zone Soak Test is started when one or more zones are programmed with 'Enable Soak Test' attribute, see page 28. All zones that are on test are removed from test at the end of the soak test period, providing no failures have occurred.

(0)(4) Restore Reporting Delay

This timer controls the delay between a system event restoring and the system reporting the restore condition to the Alarm Receiving Centre.

(0)(5) Output Short Pulse Time

If output is programmed with the 'Use Short Pulse Time' attribute the output will activate for the duration of this timer, 001 to 255 x 100mS.

(0)(6) Zone Loop Response Time

If a zone is programmed with the 'Quick Response Time' attribute the zone loop response will be controlled by the duration of this timer, 001 to 255 x 8mS.

(0)(7) Transmission Abort Delay

This timer controls the duration in which an alarm transmission may be aborted following alarm activation. When an alarm occurs, the 'Alarm Cancel' condition is only reported if the system is disarmed within this period. If the system is disarmed after this period the 'Alarm Cancel' is NOT reported.

(0)(8) Test Transmission Interval

This timer controls the interval of test transmissions to the alarm receiving centre. 000 = Control Timer 3; 024 = daily; 168 = weekly etc. Enable Auto Test Transmission om page 52 must be ON,

⓪⑨ **Courtesy Delay**

This timer controls the duration of courtesy output. The courtesy output is activated whenever a keypad is used and when the system is in entry mode.

①⓪ **Service Timer**

This timer controls the period in which a Service Required fault condition will occur. If the timer is set to 000 this feature is disabled.

①① **Verified 2-Wire Smoke Delay**

When the timer is set to zero 2-wire smoke detectors are unverified, i.e., as soon as a detector activates, the panel will go into a fire alarm condition. When the timer is set above zero, 2-wire smoke detectors are verified as follows: On the first activation the panel will start this timer then remove power to the 2-wire smoke detector for a short period, then reapply the power (to reset the detector). If the detector activates again before this timer expires, the panel will generate a verified fire alarm condition.

①② **Alarm Confirmation Delay**

When an Intruder alarm occurs, this timer starts. If a second (different) zone is activated within this time window, the "Confirmed Alarm" output will activate. If a second (different) zone is activated after this time window, the "Confirmed Alarm" output will not activate.

①③ **Activity Time Window**

If a zone has the "Forced Walk Test" attribute and it is not activated during this time window, it will be indicated as an active zone when they try to arm the system. Once the timer expires it is restarted and all "Forced Walk Test" zones are displayed as active on the keypad.

①④ **Poll IP Every**

This timer controls how often the *ComIP* module (if fitted) polls the ARC software with a "Polling" message.

System Counter/Levels   ③①

The function of each Counter/Level is described as follows:

⓪ **Swinger Shutdown Count**

This counter controls the number of times a zone can re-arm following an alarm activation. Once a zone has reached this limit it will not cause any further alarms. In order to use the Swinger Shutdown Counter the zone must be programmed with the 'Enable Swinger Shutdown' attribute, see page 28. The Swinger Count is also applied to alarms caused by the Auxiliary input.

① **Panel Speaker Volume**

This counter/level controls the advisory tones (entry/exit, fault etc.) volume level of the speakers connected to the siren output. 0 = minimum volume; 7 = maximum volume.

② **Chime Volume**

This counter/level controls the chime volume level of the speakers connected to the siren output. 0 = disabled; 1 = minimum volume; 7 = maximum volume.

③ **Clock Adjustment**

This counter can be used to automatically adjust the real time clock either forward or backwards up to 49 seconds per day. When this counter is set to 50 (default value) no clock adjustment will be made. If the counter is set to value less than 50 the clock will be slowed down, e.g., a value of 48 will slow the clock down by 2 seconds per day. If the counter is set to value greater than 50 the

clock will be speeded up, e.g., a value of 52 will speed the clock up by 2 seconds per day.

④ **Language Selection**

This option selects the operating language of the system. Use the scroll keys to display the available languages, then press Yes to select. After a short delay the keypad display will switch to the selected language.

⑤ **Country Operation Code**

The country operation code determines the way that the panel works so as to satisfy country specific alarm and telecoms standards. Enter the code as a 3 digit number by reference to the table below. The panel will re-load the default configuration for the selected country, thereby overwriting all programming already carried out. This command will take around 10 seconds to complete. If a country is not listed then enter the code 000 to load the standard configuration.

Country	Code	Country	Code
Standard	000	UK	044
South Africa	027	Norway	047
New Zealand	064	Russia	007
Sweden	046	Hungary	036
Denmark	045	Belgium	032
Holland	031	Belgium 2	131
Holland 2	131	Portugal	351
Australia	061	Poland	048
Australia 2	161	Bulgaria	059
Australia 3	162		
Spain	034		

System Control Timers   ③②

The system has 4 independent Control Timers that may be configured to switch on and off at different points of the day and days of the week. Once configured these timers can be used to automatically arm/disarm partitions or lock-out users from operating the system. Control Timer 3 can be used to send an automatic test call to the alarm receiving centre, see "Test Transmission Interval" on page 35. Control Timer 4 can be used to perform a dynamic battery test, see "Control Timers 4 Performs Battery Test" on page 39.

System Options 1   ③③

The function of each option is described as follows:

① **Clock = Crystal**
On: The system clock is calculated using the onboard crystal.
Off: The system clock is calculated by using the incoming mains supply at a frequency of 50Hz.

② **Battery Connection Supervision**
On: The system will check that the stand-by battery is connected (every 30 seconds).
Off: The system will not check the standby battery.

③ **Battery Dynamically Load Tested**
On: The standby battery is tested when any partition is disarmed or every 12 hours from the last battery test.
Off: The system will not perform the dynamic battery test.

④ **Panel NVM is Locked**

On: The NVM is locked and the "Load Defaults" jumper pins on the main PCB are disabled, thus preventing the factory defaults from being loaded.

Off: The "Load Defaults" jumper pins on the main PCB are enabled, thus allowing the panel to be defaulted.

⑤ **Power Savings during AC Mains Failure**

On: The back-lighting for all remote keypads is switched off during a mains failure.

Off: The back-lighting is enabled during a mains failure.

⑥ **Line Fault Overrides Bell Delay**

On: The system will override the bell delay in the event of a telephone line fault.

Off: The system will enforce the bell delay.

⑦ **Two-Wire Smoke Detection on O/P 1**

On: Panel Output 1 is enabled for 2-wire smoke detectors (JP1 on the main PCB must also be removed, see page 8).

Off: Panel Output is a normal programmable output.

⑧ **Convert Siren O/P from Voltage to Speaker Driver**

On: The Siren output terminals on the main PCB are configured for a speaker driver.

Off: The Siren output terminals on the main PCB are configured for Voltage output to power a bell or siren.

System Options 2   ③ ④

The function of each option is described as follows:

① **Tamper Alarms Cause a Trouble While Disarmed**

On: Tamper alarms cause a trouble condition while the system is disarmed.

Off: Tamper alarms cause an alarm while the system is disarmed.

② **Tamper Alarms Cause a Trouble While Stay Armed**

On: Tamper alarms cause a trouble condition while the system is Stay armed.

Off: Tamper alarms cause an alarm while the system is Stay armed.

③ **Defer Reporting of Non-Zone Restorals**

On: The communicator reporting of non-zone restorals will be deferred until the Restore Reporting Delay timer expires or until the system is disarmed (see 4 below).

Off: Non-zone restorals will report immediately as they occur.

④ **Use Delay Timer to Defer Non-Zone Restorals**

On: If System Option 2.3 (see above) is enabled, then enabling this option will defer the non-zone restoral reporting until the Restore Reporting Delay Timer has elapsed.

Off: Non-zone restorals are deferred until the system is disarmed.

⑤ **Inhibit Keyswitch Operation upon EOL Tamper**

On: Tampering of a keyswitch zone will inhibit the keyswitch operation.

Off: Tampering will not inhibit the keyswitch operation.

⑥ **Away Arm Overrides Alarm Transmission Delay**

On: The 'Alarm Transmission Delay' timer is overridden when the system/partition is away armed.

Off: The 'Alarm Transmission Delay' timer is not overridden.

⑦ **Defer Reporting of Zone Restorals**

On: The communicator reporting of zone restorals will be deferred until the Restore Reporting Delay Timer expires or until the system is disarmed (see 8 below).

Off: Zone restorals will report immediately as they occur.

⑧ **Use Delay Timer to Defer Zone Restorals**

On: If System Option 2.7 (see above) is enabled, then enabling this option will defer the zone restoral reporting until the Restore Reporting Delay Timer has elapsed.

Off: Zone restorals are deferred until the system is disarmed.

System Options 3   ③ ⑤

The function of each option is described as follows:

① **Away Arm Exit Error Doesn't Sound Bell**

On: The bells will not sound if an exit error occurs when the system is away armed.

Off: The system will sound the bell if an exit error occurs when the system is away armed.

② **Zone Test - Silence on No Violation**

On: The Zone Test sounder is silent when all zones are secure and will pulse sound when one or more zones are violated.

Off: The Zone Test sounder is on continuously when all zones are secure and will pulse sound when one or more zones are violated.

③ **Alarm Status Light Indicates Fire**

On: The alarm status light will only indicate Fire alarms. Fire alarms activated from zones will illuminate the relevant zone light and the alarm light. Fire alarms activated from a 2-wire smoke detector will only illuminate the alarm light. All other zone alarms will illuminate the relevant zone light only.

Off: The alarm status light indicates both alarms and fire alarms.

④ **Enable Entry/Exit Tones for Panel Speaker**

On: The panel speaker will produce entry/exit tones.

Off: The panel speaker only produces alarm and trouble tones.

⑤ **Enable Cross Partitioning**

On: The user may temporarily switch to another partition by pressing the ⬤ key, and the relevant partition number. Once the remote keypad has been selected for another partition, the indicator lights will only display information relevant for the selected partition. The remote keypad will revert back to its normal partition 15 seconds after the last key press or 1 minute after the last entry of a User code.

Off: All remote keypads are locked to their programmed partition number and the user cannot switch to another partition.

⑥ **Enable EN 50131-1 Requirements**

On: The Engineer code will only be accepted if the user has authorised Remote/Engineer Access (see page 69). If an alarm occurs during entry (timed-out entry alarm) the system will generate an internal alarm for 30 seconds before activating the bell and communicator. Wireless detectors must have polled in within 20 minutes when attempting to arm the system. Mag 2 input on the *RadioPlus* magnetic contact is a tamper input.

Off: The Engineer code is accepted at all times and the timed-out entry alarms respond as normal. Wireless detectors do not need to poll in within 20 minutes when attempting to arm the system. Mag 2 input on the *RadioPlus* magnetic contact is an alarm input.

⑦ **Reinstate Bypassed Zones on Disarm**

On: Any zones that have been manually bypassed are automatically reinstated when the partition is disarmed.

Off: Any zones that have been manually bypassed will remain bypassed when the partition is disarmed.

⑧ **Invert Panel Siren Output**

On: When the panel siren output is configured for voltage drive (see System Options 1.8 on page 37) the output is inverted, i.e. Bells off = voltage applied, Bells on = voltage removed.

Off: The siren output is normal.

Hardware Options   ③⑥

The hardware options allow you to control which hardware monitoring features are enabled or disabled. The function of each option is described as follows:

① **Panel Output 1 Supervised for Faults**
On: Panel Output 1 is supervised and if the device or wiring is disconnected, the system will generate an "Output 1 Fault" alarm.
Off: Panel Output 1 is not supervised.

② **Panel Output 2 Supervised for Faults**
On: Panel Output 2 is supervised and if the device or wiring is disconnected, the system will generate an "Output 2 Fault" alarm.
Off: Panel Output 2 is not supervised.

③ **Siren/Bell Output Supervised for Faults**
On: The Siren/Bell Output is supervised and if the device or wiring is disconnected, the system will generate a "Siren/bell Fault" alarm.
Off: The Siren/Bell Output is not supervised.

④ **Panel Box Tamper Switch Monitored**
On: The system will monitor the main panel box tamper switch.
Off: The main panel box tamper switch is not monitored.

⑤ **Auxiliary Fuse Supervised for Faults**
On: The Auxiliary 12V Power fuse is supervised, and if the fuse is blown, the system will generate an "Aux Fuse Fault" alarm.
Off: The Auxiliary 12V Power fuse is not supervised.

⑥ **Battery Supervised for Faults**
On: The Battery is supervised, and if the battery is disconnected or faulted, the system will generate a "Battery Fault" alarm.
Off: The Battery is not supervised.

⑦ **AC Mains Supply is Monitored**
On: The AC mains supply voltage is monitored, and if the supply is removed, the system will generate a "AC Fail" alarm.
Off: The AC mains supply voltage is not monitored.

⑧ **Alarm Call Path Monitored**
The alarm call path monitoring depends on the chosen method of alarm call delivery.

If alarm calls are to be transmitted over the internet *("Connect Via IP" ARC Protocol Option 8 see page 53)*
On: The IP connection is monitored and if the connection is lost a "Line Fault" will be generated.
Off: The IP connection is not monitored.

If alarms are to be transmitted over the telephone line
On: The telephone line to the control panel is monitored, and if the telephone line is disconnected, the system will generate a "Line Fault" alarm.
Off: The telephone line is not monitored.

Auxiliary Input Options   ③⑦

The Auxiliary Input on the main panel PCB can be used for a wide range of functions, the operation of the input can also be inverted to allow various wiring options (see page 39). The following Auxiliary Input functions are available:

⓪ **Not Used**
The Auxiliary Input is not monitored.

① **Auxiliary Tamper**
When activated the panel will generate a tamper alarm for the assigned partitions (see page 32).

② **Remote Reset**
When activated the system will reset any alarms/faults for the assigned partitions (see page 32).

③ **Telephone Line Monitor**
When activated the system will generate a Telephone Line fault for all partitions.

④ **Panic Alarm Input**
When activated the system will generate an Audible Panic alarm for the assigned partitions (see page 32).

⑤ **PA Silent Input**
When activated the system will generate a Silent Panic alarm for the assigned partitions (see page 32).

⑥ **Latched Keyswitch Input**
When the input is active the system will arm the assigned partitions (see page 32). When the input is inactive the system will disarm the assigned partitions.

⑦ **Momentary Keyswitch Input**
When the input is activated the system will arm the assigned partitions (see page 32). When the input is activated again the system will disarm the assigned partitions.

> **NOTE** Both the "Latched" and "Momentary" Keyswitch input types are ideally suited for use with remote RF fobs as they have a special auto re-arm feature. When either input type is used to disarm one or more partitions, the control panel will monitor all zones activity for 2 minutes. If after two minutes no zones were activated within the partition that was disarmed, the panel automatically re-arms the partition. This means even if the user activates the fob unintentionally and disarms the system without realising it; the panel will automatically arm its self after 2 minutes.

Miscellaneous Options 1   ③⑧-①

The function of each option is described as follows:

① **Enable Bell Squawk on AWAY Arm/Disarm**
On: When the system is Away armed, the panel bell/siren output is pulsed once. On disarming the output is pulsed twice. The panel bell/siren output must be configured for voltage drive (see System Options 1.8 on page 37).
Off: The panel bell/siren output behaves normally on Away arm.

② **Enable Bell Squawk on STAY Arm/Disarm**
On: When the system is Stay armed, the panel bell/siren output is pulsed once. On disarming the output is pulsed twice. The panel bell/siren output must be configured for voltage drive (see System Options 1.8 on page 37).
Off: The panel bell/siren output behaves normally on Stay arm.

③ **Disable AC Fail Acknowledgement**
On: When the mains supply power fails the Service light will flash rapidly indicating an AC failure. The system can now be armed without the need for acknowledging the "AC Fail" fault.
Off: When the mains supply power fails the Service light will flash normally indicating the "AC Fail" Fault. The fault must be acknowledged before the system can be armed.

④ **Disable Open/Close Reporting on STAY Arm**

On: Open and Close events are not reported to the Alarm Receiving Centre when Stay arming the system/partition.

Off: Open and Close events are reported when Stay arming the system/partition.

⑤ **Cross/Double Knock Timer is in Minutes**

On: System timer 02 "Cross Zone Time Window" is counted in minutes.

Off: System timer 02 "Cross Zone Time Window" is counted in seconds.

⑥ **Disable Zone Bypass when Armed**

On: The user cannot bypass zones in an armed partition. Only zones that are unarmed can be selected for bypass.

Off: The user can bypass zones in an armed partition.

⑦ **Activated Zones Cause Alarm during Exit**

On: If a non "delay" or "follower" zone is activated during exit mode the panel will generate a full alarm condition.

Off: If a non "delay" or "follower" zone is activated during exit mode the panel will generate a fault condition.

⑧ **Control Timer 4 Performs Battery Test**

On: Control Timer 4 is used to perform the dynamic battery test, i.e. when the timer switches on the panel will allow the stand-by battery to power the system for 1 minute.

Off: Control Timer 4 behaves as normal.

Miscellaneous Options 2   ③ ⑧ - ②

The function of each option is described as follows:

① **Disable Service Fault Acknowledgement**

On: When a Service Fault occurs the system can be armed without the need to acknowledge the fault condition.

Off: All Service Faults require acknowledgment before the system can be armed.

② **Enable User Reset for Alarms**

On: Any user can reset alarms and troubles.

Off: Alarms and troubles can only be reset by users with the "Allow Alarm/Fault Acknowledgement" attribute (see User Options 3 on page 67).

③ **Disable Online Printing**

On: The online printer port (Com1) will not send real time event data.

Off: The online printer port (Com1) will send real time event data.

④ **Enable Bell Module and UK Options**

On: When the system is fitted with a *Premier Bell Module* this option must be enabled (this module is only used in the UK). Also the following UK options are enabled:

- All alarm zones and tampers are disabled whilst in engineers programming mode

- After entering the engineers passcode, the Strobe output on the *Premier Bell Module* pulses 3 times, this invokes the Engineer Hold Off mode if a Texecom *Odyssey* bell box is connected

Off: The *Premier Bell Module* and UK options are disabled.

⑤ **Enable DD 243:2002 Options**

On: The Confirmation output is disabled once the Entry Timer is started, i.e. during the Entry Time, activation of a second (different) zone will NOT activate the Confirmation output.

Off: The Confirmation output operates as normal.

📝 **NOTE** To comply with DD 243:2002 this option must be enabled if access to the protected premises initiates the entry timer.

> **Owing to the ability to disable ALL of the confirmation facilities, the customer should be advised in writing by the alarm company that ALL means of alarm confirmation are disabled when the initial entry door is opened. The alarm company should then obtain written acceptance from the customer of the disabling of the means of alarm confirmation.**

⑥ **Enable Confirmation After Entry Time-Out**

On: If option 5 (above) is enabled the Confirmation output is ONLY disabled for the duration of the Entry Time and re-enabled once the Entry Timer has expired, i.e. after the Entry Timer has expired, further activation of two different zones WILL activate the Confirmation output.

Off: If option 5 (above) is enabled the Confirmation output remains disabled once the Entry Timer is started.

📝 **NOTE** To comply with DD 243:2004 this option can only be enabled if the system is unset by a single action device such as a Swipe Card, Radio FOB, Infra-Red FOB, Proximity Card etc.

⑦ **Invert Auxiliary Input Operation**

On: The operation of the auxiliary input is inverted and operates as shown in the table below:

Inverted	
Function	**Operation**
Aux Tamper	Normally Open
Remote Reset	Remove 0V to reset
Phone Line Monitor	Remove 0V for Line Fault
Audible PA	Normally Open
Silent PA	Normally Open
Latched Keyswitch	Apply 0V to Arm
Momentary Keyswitch	0V to Removed to change

Off: The operation of the auxiliary input is inverted and operates as shown in the table below:

Normal	
Function	**Operation**
Aux Tamper	Normally Closed
Remote Reset	Apply 0V to reset
Phone Line Monitor	Apply 0V for Line Fault
Audible PA	Normally Closed
Silent PA	Normally Closed
Latched Keyswitch	Apply 0V to Disarm
Momentary Keyswitch	Removed to 0V to change

⑧ **Auto BST/GMT Time Change**

On: The clock is automatically put forward by one hour on the last Sunday in March at 2.00AM and put back by one hour on last Sunday in October at 2:00AM.

Off: The clock is not adjusted automatically.

Miscellaneous Options 3   ③⑧-③

① **Allow User Tamper Reset**
On: A User can reset Tamper Alarms.
Off: A User cannot reset Tamper Alarms.

② **Allow Engineer Access when Armed**
On: An Engineer can access the system when armed.
Off: An Engineer cannot access the system when armed.

EN50131 Options   ③⑨

The function of each option is described as follows:

> **NOTE** ALL options listed below, together with Option 6 of menu 35 must be enabled if the system is to comply with EN50131.

① **Low Battery FOB Arming**
On: An arming fob with a low battery causes a warning to be indicated. The user must be acknowledged the warning before arming can continue.
Off: An arming fob with a low battery arms the system.

② **Indicate zone Soak Test active enabled**
On: A zone or zones on Soak Test being armed will cause the "Soak Test Warning" to be displayed. The user can then continue to arm the system or return to Day Mode.
Off: The "Soak Test Warning" message is not displayed.

③ **Soak Test Acknowledgement enabled**
On: Soak Test warnings must be acknowledged by the user.
Off: Soak Test warnings are displayed for 2 seconds before arming continues.

④ **Entry Stray Notification Delay**
On: Entry stray notification is delayed after the alarm.
Off: Entry stray notification occurs at the time of the alarm.

⑤ **Entry Timeout notifies immediately**
On: Entry timeout notification is delayed after the alarm.
Off: Entry timeout notification occurs at the time of the alarm.

⑥ **Expander Lost**
On: A cable cut short circuit on an expander generates a Tamper Alarm.
Off: A cable cut or short circuit on an expander generates a fault condition.

> **NOTE** When this option is switched on any circuits connected to the expander will go active.

⑦ **User Code Entry**

> **NOTE** A user code must be entered in 60 seconds, after every 10 invalid code entry attempts all keypads on the system are locked out for 90 seconds. After 21invalid code attempts a keypad tamper event will be notified.

On: A user's code must be entered in 60 seconds.
Off: User code validity is by number of characters entered..

⑧ **Mains and Battery Failures Latched**
On: Mains and Battery Failures are latched and notified and must be acknowledged before the system can be set.
Off: Mains and Battery Failures are only shown when present.

Programming Remote Keypads

Enter Engineers code
? ? ? ?
Then press 📋 then ⑨

Programming Menu
Enter Code > ??

Led Key
- ▢ Off
- ● On
- ⦿ Slow Flash
- ✳ Fast Flash

Keypad Options 1

④⓪

Keypad Options 1
Enter RKP No. ?

Enter Keypad No. ?
⓪ to select ALL

Keypad Options 1
> 1***5*78 <

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 📋

Keypad Options 1
① Partition 1 Operation
② Partition 2 Operation
③ Partition 3 Operation (*Premier 816/832* Only)
④ Partition 4 Operation (*Premier 816/832* Only)
⑤ Permanent Keypad Status Display
⑥ Press any Key for Display
⑦ Display Zones vs. Partitions
⑧ Wrong Code Attempts Causes Code Tamper

Keypad Options 2

④①

Keypad Options 2
Enter RKP No. ?

Enter Keypad No. ?
⓪ to select ALL

Keypad Options 2
> 1******* <

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 📋

Keypad Options 2
① Code Tamper Causes a Tamper Alarm
② Keypad Activation of Fire Alarm
③ Keypad Activation of Medical Alarm
④ Keypad Activation of PA Alarm
⑤ Keypad PA Alarm is Silent
⑥ Quick Arm with Keypad ARM Key
⑦ Quick Disarm with Keypad DISARM Key
⑧ Quick Bypass with Keypad BYPASS Key

Keypad Options 3

④②

Keypad Options 3
Enter RKP No. ?

Enter Keypad No. ?
⓪ to select ALL

Keypad Options 3
> 12345678 <

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 📋

Keypad Options 3
① Fire Alarm Tones from Keypad
② Burglary Alarm Tones from Keypad
③ Service Tones from Keypad
④ Acceptance Tones from Keypad
⑤ Error Tones from Keypad
⑥ Chime Tones from Keypad
⑦ Entry Tones from Keypad
⑧ Exit Tones from Keypad

Keypad Options 4

④③

Keypad Options 4
Enter RKP No. ?

Enter Keypad No. ?
⓪ to select ALL

Keypad Options 4
> ******** <

Use keys ① - ⑤ to select/deselect Options. Then press ✓ or 📋

Keypad Options 4
① Enable Keypad Zones
② Disable Keypad Lid Tamper
③ Zone Shift by 4
④ Zone Shift by 8
⑤ Zone Shift by 16

Keypad Options 1   ④⓪

The operation of Keypad Options 1 is described as follows:

① **Partition 1 Operation**
On: The selected keypad is assigned to Partition 1.
Off: The selected keypad is not assigned to Partition 1.

② **Partition 2 Operation**
On: The selected keypad is assigned to Partition 2.
Off: The selected keypad is not assigned to Partition 2.

③ **Partition 3 Operation (*Premier 816/832* Only)**
On: The selected keypad is assigned to Partition 3.
Off: The selected keypad is not assigned to Partition 3.

④ **Partition 4 Operation (*Premier 816/832* Only)**
On: The selected keypad is assigned to Partition 4.
Off: The selected keypad is not assigned to Partition 4.

⑤ **Permanent Keypad Status Display**
On: The keypad status will be displayed permanently.
Off: Keypad status (not just zone status) will blank after the courtesy timer has expired.

⑥ **Press Any Key for Display**
On: If Keypad Option 1.5 (above) is selected as disabled, the selected keypad will re-enable the display after any key press.
Off: The selected keypad display will only re-enable after a valid Access code has been entered.

⑦ **Display Zones vs. Partitions**
On: The selected keypad will use its zone lights to indicate zone status details.
Off: The selected keypad will use its zone lights to indicate armed status of partitions.

⑧ **Wrong Code Attempts Cause Code Tamper**
On: The selected keypad will lockout key presses for 5 minutes and will generate a code tamper alarm after 3 incorrect code attempts (12 key presses).
Off: The keypad will accept any amount of incorrect code attempt entries.

Keypad Options 2   ④①

The operation of Keypad Options 2 is described as follows:

① **Code Tamper Causes a Tamper Alarm**
On: If a code tamper is generated by the selected keypad, the system will give a tamper alarm response.
Off: If a code tamper is generated by the selected keypad, the system will lock out the keypad for 5 minutes.

📝 **NOTE** Keypad Options 1.8 must also be enabled.

② **Keypad Activation of Fire Alarm**
On: The selected keypad will generate an emergency Fire alarm if keys ① and ③ are pressed at the same time.
Off: The selected keypad will not generate an emergency Fire alarm.

③ **Keypad Activation of Medical Alarm**
On: The selected keypad will generate an emergency Medical alarm if keys ⑦ and ⑨ are pressed at the same time.
Off: The selected keypad will not generate an emergency Medical alarm.

④ **Keypad Activation of PA Alarm**
On: The selected keypad will generate a Panic Alarm (Police) if keys ④ and ⑥ are pressed at the same time.
Off: The selected keypad will not generate an emergency Panic Alarm.

⑤ **Keypad PA Alarm is Silent**
On: The selected keypad will generate a silent Panic Alarm (Police) if keys ④ and ⑥ are pressed at the same time.
Off: The selected keypad will generate an audible Panic Alarm (Police) if keys ④ and ⑥ are pressed at the same time.

📝 **NOTE** Keypad Options 2.4 must also be enabled.

⑥ **Quick Arm with Keypad ARM Key**
On: The selected keypad can be used to quick arm the system (Access code not required).
Off: An Access code must be entered before the selected keypad can be used to arm the system.

⑦ **Quick Disarm with Keypad DISARM Key**
On: The selected keypad can be used to quick disarm the system (Access code not required).
Off: An Access code must be entered before the selected keypad can be used to disarm the system.

⑧ **Quick Bypass with Keypad BYPASS Key**
On: The selected keypad can be used to quick bypass zones (Access code not required).
Off: An Access code must be entered before the selected keypad can be used to bypass zones.

Keypad Options 3   ④②

The operation of Keypad Options 3 is described as follows:

① **Fire Alarm Tones from Keypad**
On: The internal sounder for the selected keypad will produce Fire Alarm tones.
Off: Fire Alarm tones will not be produced.

② **Burglary Alarm Tones from Keypad**
On: The internal sounder for the selected keypad will produce Burglary Alarm tones.
Off: Burglary Alarm tones will not be produced.

③ **Service Tones from Keypad**
On: The internal sounder for the selected keypad will produce Service tones.
Off: Service tones will not be produced.

④ **Acceptance Tones from Keypad**
On: The internal sounder for the selected keypad will produce Acceptance tones.
Off: Acceptance tones will not be produced.

⑤ **Error Tones from Keypad**
On: The internal sounder for the selected keypad will produce Error tones.
Off: Error tones will not be produced.

⑥ **Chime Tones from Keypad**
On: The internal sounder for the selected keypad will produce Chime tones.
Off: Chime tones will not be produced.

⑦ **Exit Tones from Keypad**
On: The internal sounder for the selected keypad will produce Exit tones.
Off: Exit tones will not be produced.

⑧ **Entry Tones from Keypad**

On: The internal sounder for the selected keypad will produce Entry tones.

Off: Entry tones will not be produced.

Keypad Options 4 ④③

The operation of Keypad Options 4 is described as follows:

① **Enable Keypad Zones**

On: The zones onboard the selected remote keypad are enabled and allocated as follows:

Keypad	*Premier 412*	*Premier 816/832*
1	Zones 05 & 06	Zones 09 & 10
2	Zones 07 & 08	Zones 11 & 12
3	Zones 09 & 10	Zones 13 & 14
4	Zones 11 & 12	Zones 15 & 16
5	N/A	N/A
6	N/A	N/A

Off: The zones onboard the selected remote keypad are disabled:

📝 **NOTE** This option is only relevant if the keypad type is a *Premier RKP8/16 Plus* or *Premier* LCD.

If the system is fitted with either a local or remote expander, the relevant zones on the expander will be disabled if the zones on the remote keypad are enabled.

② **Disable Keypad Lid Tamper**

On: The remote keypad lid tamper is not monitored.

Off: The remote keypad lid tamper is monitored.

③ **Zone Shift by 4**

On: The remote keypad zone status lights indicate from Zone 5 onwards i.e., Zone 1 on the remote keypad follows the status of Zone 5 and Zone 2 on the remote keypad follows the status of Zone 6 etc.

Off: The remote keypad zone status lights indicate as normal.

④ **Zone Shift by 8**

On: The remote keypad zone status lights indicate from Zone 9 onwards i.e., Zone 1 on the remote keypad follows the status of Zone 9 and Zone 2 on the remote keypad follows the status of Zone 10 etc.

Off: The remote keypad zone status lights indicate as normal.

⑤ **Zone Shift by 16**

On: The remote keypad zone status lights indicate from Zone 17 onwards i.e., Zone 1 on the remote keypad follows the status of Zone 17 and Zone 2 on the remote keypad follows the status of Zone 18 etc.

Off: The remote keypad zone status lights indicate as normal.

📝 **NOTE** Options 3, 4 and 5 allow the *Premier RKP4* remote keypad to be used on a multi-partition system with more than 4 zones and the *Premier RKP8* remote keypad to be used on a multi-partition system with more than 8 zones. The example below shows how a 16 zone system split into 2 partitions could use two *Premier RKP 8* remote keypads:
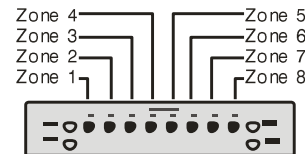
Remote Keypad 1 (Partition 1)

Keypad Options 4:
③ Zone Shift by 4 (Disabled)
④ Zone Shift by 8 (Disabled)
⑤ Zone Shift by 16 (Disabled)
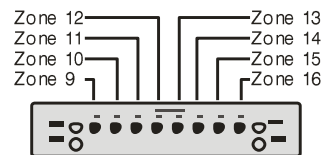
Remote Keypad 2 (Partition 2)

Keypad Options 4:
③ Zone Shift by 4 (Disabled)
④ Zone Shift by 8 (Enabled)
⑤ Zone Shift by 16 (Enabled)

Programming Remote Expanders

Enter Engineers code
? ? ? ?
Then press ▤ then (9)

Programming Menu
Enter Code > ??

Led Key
○ Off
● On
☀ Slow Flash
✹ Fast Flash

Expander Partitions

(5)(0)

Expander Areas
Enter Exp No. ?

Enter Expander No. ?
(0) to select ALL

Expander Areas
> 1***.... <

Use keys (1) - (4) to
select/deselect Options.
Then press ✓ or ▤

Expander Partitions
(1) Partition 1 Operation
(2) Partition 2 Operation
(3) Partition 3 Operation (*Premier 816/832*)
(4) Partition 4 Operation (*Premier 816/832*)

Expander Tones

(5)(1)

Expander Tones
Enter Exp No. ?

Enter Expander No. ?
(0) to select ALL

Expander Tones
> 12345**8 <

Use keys (1) - (8) to
select/deselect Options.
Then press ✓ or ▤

Expander Tones
(1) Fire Alarm Tones from Expander
(2) Burglary Alarm Tones from Expander
(3) Service Tones from Expander
(4) Acceptance Tones from Expander
(5) Error Tones from Expander
(6) Chime Tones from Expander
(7) Exit Tones from Expander
(8) Entry Tones from Expander

Expander Volume

(5)(2)

Expander Volume
Enter Exp No. ?

Enter Expander No. ?
(0) to select ALL

Expander Volume
Enter Value: 004

Enter Volume (0) - (7)
LCD: Use ⊕ to scroll value
then press ✓

Note
On the *Premier 412 & 816*,
the option to enter the Expander No. will NOT
be displayed as these control panels only
support 1 expander.

Expander Partitions   (5)(0)

When the expander is assigned to one or more partitions the speaker output on the expander will generate tones only for the partition(s) it's assigned to. E.g. if the expander is assigned to partition 3, the speaker will only be enabled when partition 3 is in alarm, entry, exit etc.

Expander Tones   (5)(1)

The Expander Tones are described as follows:

(1) **Fire Alarm Tones from Expander**
On: The siren output on the Expander will produce Fire Alarm tones.
Off: Fire Alarm tones will not be produced.

(2) **Burglary Alarm Tones from Expander**
On: The siren output on the Expander will produce Burglary Alarm tones.
Off: Burglary Alarm tones will not be produced.

(3) **Service Tones from Expander**
On: The siren output on the Expander will produce Service tones.
Off: Service tones will not be produced.

(4) **Acceptance Tones from Expander**
On: The siren output on the Expander will produce Acceptance tones.
Off: Acceptance tones will not be produced.

(5) **Error Tones from Expander**
On: The siren output on the Expander will produce Error tones.
Off: Error tones will not be produced.

(6) **Chime Tones from Expander**
On: The siren output on the Expander will produce Chime tones.
Off: Chime tones will not be produced.

(7) **Exit Tones from Expander**
On: The siren output on the Expander will produce Exit tones.
Off: Exit tones will not be produced.

(8) **Entry Tones from Expander**
On: The siren output on the Expander will produce Entry tones.
Off: Entry tones will not be produced.

Expander Volume Level   (5)(2)

This option controls the advisory tones (entry/exit, fault etc.) volume level of the speakers connected to the remote expander speaker output. 0 = minimum volume; 7 = maximum volume.

Programming System Outputs

Enter Engineers code
? ? ? ?
Then press ▤ then ⑨

`Programming Menu`
`Enter Code > ??`

Led Key
○ Off
● On
✖ Slow Flash
✱ Fast Flash

Panel Outputs

⑥ ⓪

`Panel Outputs`
`Enter Output No?`

Enter Panel Output
① - ⑧

`Panel Outputs`
`System Type`

Output Group
⓪ Not Used
① System
② Partition
③ Zone

Enter Output Group ⓪ - ③

`Panel Outputs`
`Courtesy`

Output Types
See next page for a list of System Output Types.
See next page for a list of Partition Output Types.
See next page for a list of Zone Output Types.

Enter Output type for the
selected Group ? ?
LCD: Use ⬍ to scroll type
then press ✓

`Panel Outputs`
`> ******** <`

Output Attributes
① Partition 1
② Partition 2
③ Partition 3 (*Premier 816/832* Only)
④ Partition 4 (*Premier 816/832* Only)
⑤ User Test
⑥ Inverted
⑦ Latching
⑧ Pulsed

Use keys ① - ⑧ to
select/deselect Attributes.
Then press ✓ or ▣

Fast Format/Speech Channels

⑥ ①

`Fast Format Data`
`Enter Output No?`

Enter Channel Number
① - ⑧

Follow procedure for
Panel Outputs (Menu 60)

Expander 1 Outputs

⑥ ②

`Exp. 1 Outputs`
`Enter Output No?`

Enter Output Number
① - ②

Follow procedure for
Panel Outputs (Menu 60)

Expander 2 Outputs

⑥ ③

`Exp. 2 Outputs`
`Enter Output No?`

Enter Output Number
① - ②

Follow procedure for
Panel Outputs (Menu 60)

Only available on the *Premier 832*

Continues on
Next Page

From
Previous Page

Expander 3 Outputs

⑥④ →
```
Exp. 3 Outputs
Enter Output No?
```

Enter Output Number ① - ② → Follow procedure for **Panel Outputs** (Menu 60)

Only available on the Premier 832

Keypad Outputs

⑥⑤ →
```
Keypad Outputs
Enter Output No?
```

Enter Output Number ① - ⑥ → Follow procedure for **Panel Outputs** (Menu 60)

---

① System Output Types

⓪⓪ Courtesy
⓪① Successful Transmission
⓪② Log 80% Full
⓪③ Program Mode Selected
⓪④ Download In Progress
⓪⑤ Timed Arming Countdown
⓪⑥ Zone Soak Test Active
⓪⑦ Zone Soak Test Failed
⓪⑧ Latched AC Fail
⓪⑨ Telephone Line Fault
①⓪ Smoke Alarm
①① Box/Auxiliary Tamper
①② Date Time Loss
①③ Zone Service/Tamper
①④ Keypad Tamper/Removed
①⑤ System Service
①⑥ Output 1 Fault
①⑦ Output 2 Fault
①⑧ Speaker Fault
①⑨ Smoke Sensor Fault
②⓪ Auxiliary Fuse Fault
②① Latched Batery Fault
②② Service Required/Test Fail
②③ Fail To Communicate
②④ Control Timer 1 Active
②⑤ Control Timer 2 Active
②⑥ Control Timer 3 Active
②⑦ Control Timer 4 Active
②⑧ PC Output 1
②⑨ PC Output 2
③⓪ Walk Test
③① Confirmed Alarm
③② ARC2 Active
③③ Zones Locked-Out
③④ AC Fail
③⑤ Battery Fail
③⑥ Poll Timer

② Partition Output Types

⓪⓪ PA Alarm
⓪① Duress Alarm
⓪② Burglar Alarm
⓪③ Medical Alarm
⓪④ 24Hr - Water Alarm
⓪⑤ 24Hr - Gas Alarm
⓪⑥ 24Hr - Low Temp Alarm
⓪⑦ 24Hr - High Temp Alarm
⓪⑧ Tamper
⓪⑨ Service
①⓪ Fire
①① Trouble/Tamper
①② Bell
①③ Strobe
①④ Entry
①⑤ Exit
①⑥ Armed
①⑦ Stay Armed
①⑧ Ready
①⑨ Bypass
②⓪ Sensor Reset on Exit
②① Sensor Reset on Reset
②② Single Pulse on Arming
②③ Double Pulse on Arming
②④ Chime
②⑤ Door Strike
②⑥ Cross Zone Time Active
②⑦ Single Pulse on Disarming
②⑧ Reset Required
②⑨ Acknowledgement Required
③⓪ Confirmed Alarm
③① Alarm Abort
③② Away Armed
③③ Away Armed/Exit
③④ Detector Latch
③⑤ Armed/Alarm
③⑥ Arm Failed
③⑦ All Armed

③ Zone Output Types

⓪① Zone 01 Mimic   ③③ Zone 01 Alarm
⓪② Zone 02 Mimic   ③④ Zone 02 Alarm
⓪③ Zone 03 Mimic   ③⑤ Zone 03 Alarm
⓪④ Zone 04 Mimic   ③⑥ Zone 04 Alarm
⓪⑤ Zone 05 Mimic   ③⑦ Zone 05 Alarm
⓪⑥ Zone 06 Mimic   ③⑧ Zone 06 Alarm
⓪⑦ Zone 07 Mimic   ③⑨ Zone 07 Alarm
⓪⑧ Zone 08 Mimic   ④⓪ Zone 08 Alarm
⓪⑨ Zone 09 Mimic   ④① Zone 09 Alarm
①⓪ Zone 10 Mimic   ④② Zone 10 Alarm
①① Zone 11 Mimic   ④③ Zone 11 Alarm
①② Zone 12 Mimic   ④④ Zone 12 Alarm
①③ Zone 13 Mimic   ④⑤ Zone 13 Alarm
①④ Zone 14 Mimic   ④⑥ Zone 14 Alarm
①⑤ Zone 15 Mimic   ④⑦ Zone 15 Alarm
①⑥ Zone 16 Mimic   ④⑧ Zone 16 Alarm
①⑦ Zone 17 Mimic   ④⑨ Zone 17 Alarm
①⑧ Zone 18 Mimic   ⑤⓪ Zone 18 Alarm
①⑨ Zone 19 Mimic   ⑤① Zone 19 Alarn
②⓪ Zone 20 Mimic   ⑤② Zone 20 Alarm
②① Zone 21 Mimic   ⑤③ Zone 21 Alarm
②② Zone 22 Mimic   ⑤④ Zone 22 Alarm
②③ Zone 23 Mimic   ⑤⑤ Zone 23 Alarm
②④ Zone 24 Mimic   ⑤⑥ Zone 24 Alarm
②⑤ Zone 25 Mimic   ⑤⑦ Zone 25 Alarm
②⑥ Zone 26 Mimic   ⑤⑧ Zone 26 Alarm
②⑦ Zone 27 Mimic   ⑤⑨ Zone 27 Alarm
②⑧ Zone 28 Mimic   ⑥⓪ Zone 28 Alarm
②⑨ Zone 29 Mimic   ⑥① Zone 29 Alarm
③⓪ Zone 30 Mimic   ⑥② Zone 30 Alarm
③① Zone 31 Mimic   ⑥③ Zone 31 Alarm
③② Zone 32 Mimic   ⑥④ Zone 32 Alarm

Panel Outputs ⑥⓪

This menu option allows you to program the eight control panel outputs.

Fast Format/Speech Channels ⑥①

When using the Fast Format communication protocol (see page 53) the channels that are reported to the Alarm Receiving Centre must be programmed for the relevant conditions. This menu option allows you to program the eight channels that are used by the Fast Format protocol.

Expander 1 Outputs ⑥②

The *Premier 8X* remote expander has two programmable outputs. This menu option allows you to program the outputs of expander 1.

Expander 2 Outputs ⑥③

The *Premier 8X* remote expander has two programmable outputs. This menu option allows you to program the outputs of expander 2 (*Premier 832* Only).

Expander 3 Outputs ⑥④

The *Premier 8X* remote expander has two programmable outputs. This menu option allows you to program the outputs of expander 3 (*Premier 832* Only).

Keypad Outputs ⑥⑤

Both the *Premier LCD* and *LCDL* remote keypads have a programmable output. This menu option allows you to program the keypad outputs.

Output Groups and Types

Group ⓪ - Not Used

This group contains no output types, by assigning an output to this group the output will never activate.

Group ① - System Output Types

This group contains the system output types as listed below:

⓪⓪ Courtesy

This output type activates after any keypad has been used and during entry delay. The output will remain active for the duration of the Courtesy timer (see page 36).

⓪① Successful Transmission

This output type activates after the communicator has successfully reported to the alarm receiving centre.

⓪② Log 80% Full

This output type activates when the Event Log is 80% full. The output is cleared when the event log is uploaded by the remote downloading computer.

⓪③ Program Mode Selected

This output type activates when the program mode is selected.

⓪④ Download in Progress

This output type activates when a Download is in progress.

⓪⑤ Timed Arming Countdown

This output type activates when the system initiates a timed arm.

⓪⑥ Zone Soak Test Active

This output type activates when any zone is enabled for soak test.

⓪⑦ Zone Soak Test Failed

This output type activates if any zone fails during a zone soak test.

⓪⑧ Latched AC Fail

This output type activates when the mains supply is disconnected.

⓪⑨ Telephone Line Fault

This output type activates when the communicator detects a telephone line fault.

①⓪ Smoke Alarm

This output type activates when a 2-wire smoke detector connected to Panel Output 1 causes an alarm.

①① Box/Auxiliary Tamper Alarm

This output type activates when the box tamper or the Auxiliary Input (Tamper) on the main panel causes an alarm.

①② Date/Time Loss

This output type activates when the control panel real time clock is reset (power up). The output clears when the clock is set.

①③ Zone Trouble/Tamper

This output type activates when any zone is in trouble or tamper.

①④ Keypad Tamper/Removed

This output type activates when a keypad is either disconnected or its box tamper causes an alarm.

①⑤ Service Fault

This output type activates when there are any Service Faults on the system (mimics the Service light on the remote keypad).

①⑥ Output 1 Fault

This output type activates when Panel Output 1 detects a fault.

①⑦ Output 2 Fault

This output type activates when Panel Output 2 detects a fault.

①⑧ Siren/Bell Fault

This output type activates when Siren Output detects a fault.

①⑨ Smoke Sensor Fault

This output type activates when a 2-wire smoke detector connected to Panel Output 1 causes a fault.

②⓪ Auxiliary Fuse Fault

This output type activates when the Auxiliary fuse is ruptured.

②① Latched Battery Fault

This output type activates when the system detects a fault from the stand-by battery.

②② Service Required/Test Fail

This output type activates when a Service Required fault exists or the system has failed zone soak test.

②③ Fail to Communicate

This output type activates after the communicator has failed to report to the alarm receiving centre.

②④ Control Timer 1 Active

This output type activates when Control Timer 1 is active.

②⑤ Control Timer 2 Active

This output type activates when Control Timer 2 is active.

②⑥ Control Timer 3 Active

This output type activates when Control Timer 3 is active.

②⑦ Control Timer 4 Active

This output type activates when Control Timer 4 is active.

②⑧ PC Output 1

The remote Downloading computer controls this output type.

②⑨ PC Output 2

The remote Downloading computer controls this output type.

③⓪ **Walk Test**

This output type activates when the user selects the Zone Test option (menu 90).

③① **Confirmed Alarm**

This output type activates when two different zones are violated from any armed partition.

③② **ARC 2 Active**

This output type activates when the panel is communicating to ARC2.

③③ **Zone Locked-Out**

This output type activates when the one or more zones are locked out after the confirmation timer has expired.

③④ **AC Fail**

This output type activates when the mains supply is disconnected.

③⑤ **Battery Fault**

This output type activates when the system detects a fault from the stand-by battery.

③⑥ **Poll Timer**

This output is linked to the Global System Timer 14 "Poll IP Every" in minutes. Thus if this timer is programmed with a non-zero value, when the timer times out, this new output "Poll Timer" will activate for 10 seconds and then reset. This cycle will repeat every time the "Poll IP Every" timer expires.

Group ② - Partition Output Types

This group contains the partition output types as listed below:

⓪⓪ **PA Alarm**

This output type activates when a PA alarm is generated in the selected Partition. If another PA alarm is generated the output will reset for 3 seconds then reactivate.

⓪① **Duress Alarm**

This output type activates when a Duress alarm is generated in the selected Partition. If another Duress alarm is generated the output will reset for 3 seconds then reactivate.

⓪② **Burglar Alarm**

This output type activates when a Burglar alarm is generated in the selected Partition. If another Burglar alarm is generated the output will reset for 3 seconds then reactivate.

⓪③ **Medical Alarm**

This output type activates when a Medical alarm is generated in the selected Partition. If another Medical alarm is generated the output will reset for 3 seconds then reactivate.

⓪④ **24Hr - Water Alarm**

This output type activates when a 24hr Water alarm is generated in the selected Partition. If another 24hr Water alarm is generated the output will reset for 3 seconds then reactivate.

⓪⑤ **24Hr - Gas Alarm**

This output type activates when a 24hr Gas alarm is generated in the selected Partition. If another 24hr Gas alarm is generated the output will reset for 3 seconds then reactivate.

⓪⑥ **24Hr - Low Temp Alarm**

This output type activates when a 24hr Low Temperature alarm is generated in the selected Partition. If another 24hr Low Temperature alarm is generated the output will reset for 3 seconds then reactivate.

⓪⑦ **24Hr - High Temp Alarm**

This output type activates when a 24hr High Temperature alarm is generated in the selected Partition. If another 24hr High Temperature alarm is generated the output will reset for 3 seconds then reactivate.

⓪⑧ **Tamper**

This output type activates when a Tamper alarm is generated in the selected Partition. If another Tamper alarm is generated the output will reset for 3 seconds then reactivate.

⓪⑨ **Trouble**

This output type activates when a Trouble alarm is generated in the selected Partition. If another Trouble alarm is generated the output will reset for 3 seconds then reactivate.

①⓪ **Fire**

This output type activates when a Fire alarm is generated in the selected Partition. If another Fire alarm is generated the output will reset for 3 seconds then reactivate.

①① **Trouble/Tamper**

This output type activates when a Trouble or Tamper alarm is generated in the selected Partition.

①② **Bell**

This output type activates when an alarm is generated in the selected Partition.

①③ **Strobe**

This output type activates when an alarm is generated in the selected Partition.

①④ **Entry**

This output type activates when the selected Partition is in entry mode.

①⑤ **Exit**

This output type activates when the selected Partition is in exit mode.

①⑥ **Armed**

This output type activates when the selected Partition is stay or away armed.

①⑦ **Stay Armed**

This output type activates when the selected Partition is stay armed.

①⑧ **Ready**

This output type activates when the selected Partition is ready for arming.

①⑨ **Bypass**

This output type activates when the selected Partition has one or more zones bypassed.

②⓪ **Sensor Reset on Exit**

This output type is normally active and deactivates for 2 seconds when the selected Partition is in exit mode.

②① **Sensor Reset on Reset**

This output type is normally active and deactivates for 2 seconds when the user resets the selected Partition.

②② **Single Pulse on Arming**

This output type activates for 2 seconds when the selected Partition is armed.

②③ **Double Pulse on Arming**

This output type activates twice (2 seconds on) when the selected Partition is armed.

②④ **Chime**

This output type activates for 2 seconds when a zone programmed as Chime is violated in the selected Partition.

②⑤ **Door Strike**

This output type activates for 2 seconds when an Access code with the "Activate Door Strike Output" attribute is entered.

②⑥ **Cross Zone Time Active**

This output type activates when a Cross Zone is violated and remains active for the duration of the Cross Zone Time Window.

②⑦ **Single Pulse on Disarming**

This output type activates for 2 seconds when the selected Partition is disarmed.

②⑧ **Reset Required**

This output type activates when an alarm condition requires resetting in the selected Partition.

②⑨ **Acknowledgement Required**

This output type activates when a Service Fault requires acknowledgement.

③⓪ **Confirmed Alarm**

This output type activates when two different zones are violated during an armed period.

③① **Alarm Abort**

This output type activates when the system is disarmed after an alarm condition (providing the system is disarmed before the "Alarm Transmission Abort" delay has expired, see page 35).

③② **Away Armed**

This output type activates when the partition is "Away Armed".

③③ **Away Armed/Exit**

This output type activates when the partition is in exit mode (Away arming) and when the partition is "Away Armed".

③④ **Detector Latch**

This output type is used to latch an alarm condition on detectors that have a latch input.

③⑤ **Armed/Alarm**

This output type is used to indicate both the armed and alarm status of a partition, it operates as follows: on = armed; off = disarmed; pulsing = alarm.

③⑥ **Arm Failed**

This output type activates when the selected partition fails to arm.

③⑦ **All Armed**

This output activates when all selected partitions are armed. It resets when any of the selected partitions is disarmed.

Group ③ Zone Output Types

This group contains the zone output types as listed below:

⓪① - ③② **Zone 01 - 32 Mimic**

This output type activates when Zone XX is violated and deactivates when the zone is secure.

③③ - ⑥④ **Zone 01 - 32 Alarm**

This output type activates when Zone XX causes an alarm and deactivates when the alarm is reset.

Output Attributes

Each output can have the following attributes assigned to alter the function of the selected output:

① **Enable for Partition 1**
On: The selected output is assigned to Partition 1.
Off: The selected output is not assigned to Partition 1.

② **Enable for Partition 2**
On: The selected output is assigned to Partition 2.
Off: The selected output is not assigned to Partition 2.

③ **Enable for Partition 3 (*Premier 816/832* Only)**
On: The selected output is assigned to Partition 3.
Off: The selected output is not assigned to Partition 3.

④ **Enable for Partition 4 (*Premier 816/832* Only)**
On: The selected output is assigned to Partition 4.
Off: The selected output is not assigned to Partition 4.

⑤ **Enable for User Test**
On: The selected output is activated during a user test.
Off: The selected output is not activated during a user test.

⑥ **Inverted**
On: The selected output is inverted.
Off: The selected output is normal.

⑦ **Latching**
On: The selected output will latch on until the system is reset.
Off: The selected output will not latch.

⑧ **Pulsed**
On: The selected output will pulse for the duration of the Output Short Pulse Timer (see page 35).
Off: The selected output will be normal.

Programming the Communicator

Enter Engineers code
? ? ? ?
Then press 🗏 then ⑨

Programming Menu
Enter Code > ??

Note
Only Engineer codes that have the "Allow NVM Locking/Communicator Programming" option are allowed to access menus 70 - 79.

Led Key
- ▫ Off
- ● On
- ☀ Slow Flash
- ❋ Fast Flash

Communicator Options

⑦⓪

Digi Options
> *2*****8 <

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🕭

Communicator Options
① Enable On-Board Communicator
② Enable DTMF Dialling
③ Switch to Pulse Dialling after 3rd Attempt
④ Enable European Pulse Dialling
⑤ Enable Auto Test Transmission
⑥ Enable Cancel Call Waiting
⑦ Enable Backup to Alarm Receiving Centre
⑧ Enable Blind Dialling

Alarm Receiving Centre 1 Menu

⑦①

ARC No.1 Menu
Enter Option 0-8

Enter Option ⓪ - ⑧

Alarm Receiving Centre 2 Menu

⑦②

ARC No.2 Menu
Enter Option 0-8

Enter Option ⓪ - ⑧

Primary Tel No

⓪

Pri No.>

Press 🕭 to toggle Primary/Secondary.

Enter Telephone Number
Then press ✓ or 🕭

LED: To display Telephone Number press ①

Secondary Tel No

Sec No.>

Enter Telephone Number
Then press ✓ or 🕭

LED: To display Telephone Number press ①

Options
Use the following keys to insert special characters:
🕭① = *
🕭② = #
🕭③ = , (3 Second pause)
🕭④ = W (10 Second pause)
🕭⑤ = D (Wait for dial tone)
🕭⑥ = + (Dial next number)

Account No 1

①

Acc No1>

Press 🕭 to toggle Account No 1/2/3/4.

Enter Account Number 1
Then press ✓ or 🕭

LED: To display Account Number press ①

Account No 2/3/4

Acc No2>

Enter Account Number 2
Then press ✓ or 🕭

LED: To display Account Number press ①

Options
Use the following keys to insert hexadecimal characters:
🕭① = B
🕭② = C
🕭③ = D
🕭④ = E
🕭⑤ = F
🕭⑥ = A

Continues on
Next Page

From
Previous Page

Protocol Type

```
Protocol
Contact ID
```

(2)

Enter Protocol type (0) - (7)
LCD: Use ⬍ to scroll type
then press ✓

Protocol Types
(0) Disabled
(1) Pulse Format
(2) Express Format
(3) Fast Format/Speech Module
(4) Contact ID
(5) SIA Level 2/3
(6) Pager Format
(7) Mobile Phone

Dial Attempts

```
Dial Attempts
Enter Value: 003
```

(3)

Enter Value (0) - (9).
LCD: Use ⬍ to scroll value
then press ✓

Reporting Partitions

```
Partitions
 > 1234.... <
```

(4)

Use keys (1) - (4) to
select/deselect Options.
Then press ✓ or 🔔

Note
Reporting Partitions are only used by the following
protocol types:
Pulse Format
Express Format
Contact ID
SIA Level 2/3
Pager Format

Reporting Events

```
Report Events
 > 12345678 <
```

(5)

Use keys (1) - (8) to
select/deselect Options.
Then press ✓ or 🔔

Reporting Events
(1) Report Priority Alarm and Cancel Events
(2) Report Alarm and Cancel Events
(3) Report Open and Close Events
(4) Report Bypass and Unbypass Events
(5) Report Maintenance Alarm Events
(6) Report Tamper Alarm Events
(7) Report Test Transmission Events
(8) Report Restore Events

Pulse Format Options

```
Pulse Options
 > ******** <
```

(6)

Use keys (1) - (8) to
select/deselect Options.
Then press ✓ or 🔔

Pulse Format Options
(1) Use 1900Hz Carrier
(2) Use 40 PPS Baud Rate
(3) Enable Parity
(4) Use 2 Digit Events
(5) Use 2300Hz Handshake
(6) Use 2300Hz Kiss-Off
(7) Use Fast/Slow Format

Fast Format Reporting

```
F/F Reporting
 > 12345678 <
```

(7)

Use keys (1) - (8) to
select/deselect Options.
Then press ✓ or 🔔

Fast Format Reporting
(1) Report Channel 1
(2) Report Channel 2
(3) Report Channel 3
(4) Report Channel 4
(5) Report Channel 5
(6) Report Channel 6
(7) Report Channel 7
(8) Report Channel 8

Protocol Options

```
Protocol Options
 > *2****** <
```

(8)

Use keys (1) - (7) to
select/deselect Options.
Then press ✓ or 🔔

Protocol Options
(1) Disable SIA Modifier/Enable Speech Module
(2) Disable Separate Events for Each Partition
(3) Pager Terminator = * (Star)
(4) Send Pager Terminator Twice/SIA Text
(5) Pager DTMF Tones = 500mS
(6) Disable Zone Restorals
(7) Coms. Acknowledgement Tone
(8) Connect via IP

(X)

Continues on
Next Page

From
Previous Page

Fast Format Restore Channels

⑦③ → | Restore Channels
> 12345678 < |

Use keys ① - ⑧ to select/deselect Channels. Then press ✓ or 🔔

Fast Format Open/Close Channels

⑦④ → | Open/Close Chan.
> ***4**** < |

Use keys ① - ⑧ to select/deselect Channels. Then press ✓ or 🔔

Cancel Call Waiting Number

⑦⑤ → | Cancel > |

Enter Telephone Number Then press ✓ or 🔔

LED: To display Telephone Number press 🕭

Fast Format Restore Channels
① Report Restore on Channel 1
② Report Restore on Channel 2
③ Report Restore on Channel 3
④ Report Restore on Channel 4
⑤ Report Restore on Channel 5
⑥ Report Restore on Channel 6
⑦ Report Restore on Channel 7
⑧ Report Restore on Channel 8

Fast Format Open/Close Channels
① Report Open/Close on Channel 1
② Report Open/Close on Channel 2
③ Report Open/Close on Channel 3
④ Report Open/Close on Channel 4
⑤ Report Open/Close on Channel 5
⑥ Report Open/Close on Channel 6
⑦ Report Open/Close on Channel 7
⑧ Report Open/Close on Channel 8

Communicator Options ⑦⓪

The on-board digital communicator/modem has the following options:

① **Enable On-Board Communicator**
On: The on-board digital communicator will report system events to the Alarm Receiving Centre.
Off: The communicator will not report system events.

② **Enable DTMF Dialling**
On: The on-board digital communicator will dial using DTMF (Dual Tone Multiple Frequency) format.
Off: The communicator will dial using the older pulse format.

③ **Switch to Pulse Dialling After 3rd Attempt**
On: The communicator will switch to the pulse dialling format after failed 3rd attempt.
Off: The communicator will always dial using DTMF format.

🖊 **NOTE** Only applicable if Communicator Option 2 is enabled.

④ **Enable European Pulse Dialling**
On: The communicator will dial using the European pulse dialling timing ratios.
Off: The communicator will dial using US pulse dialling ratios.

🖊 **NOTE** Only applicable if Communicator Option 2 is disabled.

⑤ **Enable Auto Test Transmission**
On: The communicator will send a periodic test transmission to the Alarm Receiving Centre. See page 35 to alter the Test Transmission Interval
Off: The communicator will not send test transmissions.

⑥ **Enable Cancel Call Waiting**
On: The communicator will dial the Cancel Call Waiting sequence before dialling the monitoring station.

Off: The communicator will not dial the Cancel Call Waiting sequence.

⑦ **Enable Backup to Alarm Receiving Centre**
On: The communicator will always report to Alarm Receiving Centre 1, then make a backup report to Alarm Receiving Centre 2.
Off: The communicator will initially attempt to report to Alarm Receiving Centre 1. If for any reason the communicator fails after using all its attempts, the communicator will attempt to report to Alarm Receiving Centre 2.

⑧ **Enable Blind Dialling**
On: The communicator will NOT look for a dial tone before dialling the telephone number.
Off: The communicator will wait for the dial tone before attempting to dial out.

ARC 1 Communicator Menu ⑦①

The ARC 1 Communicator Menu has the following options:

⓪ Primary and Secondary Telephone Numbers
① Account Numbers
② Protocol Type
③ Dial Attempts
④ Partition Options
⑤ Reporting Options
⑥ Pulse Format Options
⑦ Fast Format Reporting Channels
⑧ Protocol Options

Telephone Numbers ⑦①-⓪

Alarm Receiving Centre 1 has a primary and secondary telephone number. The primary number is the number that is dialled first and if programmed the secondary telephone number is a backup number for the primary number. If both numbers are programmed the panel will alternate between them when dialling the alarm receiving centre.

Each telephone number can be up to 24 digits. When entering the telephone number the following keys can be used:

Press 🔔① to insert a "*".

Press 🔔② to insert a "#".

Press 🔔③ to insert a "," (3 second pause).

Press 🔔④ to insert a "W" (10 second pause).

Press 🔔⑤ to insert a "D" (Wait for dial tone).

Press 🔔⑥ to insert a "+" (Force dials next number).

Account Numbers   ⑦①-①

Alarm Receiving Centre 1 has four account numbers. Account No 1 is for partition 1 and is also the global account number. Account numbers 2 - 4 are for partitions 2 - 4. To send events on separate account numbers, you must ensure the "Disable Separate Events for Each Partition" is turned off (see Protocol Options on page 55). The account number can be up to 6 digits. Seperate partition account numbers can be selected by pressing the 🔔 key. When entering the account number the following keys can be used to insert hexadecimal characters:

Press 🔔① to insert a "B".

Press 🔔② to insert a "C".

Press 🔔③ to insert a "D".

Press 🔔④ to insert a "E".

Press 🔔⑤ to insert a "F".

Press 🔔⑥ to insert a "A".

Protocol Type   ⑦①-②

This is the reporting protocol that is used to communicate with Alarm Receiving Centre 1. The following protocols are supported:

⓪ Disabled
Communication disabled.

① Pulse Format
The panel will communicate with Alarm Receiving Centre 1 using Pulse Format. See page 62 for details on configuring reporting codes.

② Express Format
The panel will communicate with Alarm Receiving Centre 1 using Express Format. See page 62 for details on configuring reporting codes.

③ Fast Format/Speech Module
The panel will communicate with Alarm Receiving Centre 1 using Fast Format protocol. If the "Enable Speech Module" option is enabled in the Protocol Options (see page 55) the panel will use the plug-on *Speech Module* to communicate the alarm information. The Fast Format/Speech channels must be programmed to the required to type, see Program Outputs on page 47.

④ Contact ID
The panel will communicate with Alarm Receiving Centre 1 using Contact ID. The defaults Contact ID codes are shown in the standard defaults worksheets from page 86.

⑤ SIA Level 2/3
The panel will communicate with Alarm Receiving Centre 1 using SIA Level 2. If the "Send SIA Text" option is enabled, the panel will communicate using SIA level 3. The defaults SIA codes are shown in defaults worksheets from page 86.

⑥ Pager
The panel will communicate to a pager. When using the pager option the panel transmits the data to the pager using the following format:

Pager Format = AAAAAA EE

AAAAAA	4 - 6 digit account number
EE	Event Code
	This code is the same code used for Pulse formats (see page 62)

If for example the account number for the site was programmed as 1234 and zone 8 was violated and caused a burglar alarm, the pager would display 1234 38.

📝 **NOTE** When using the pager option the telephone number will require a pause after it to make it work properly, see Telephone Numbers above.

When using the pager option the pager is normally terminated using either a * or #. This is programmable see Protocol Options on page 55.

The dial attempts when using the pager option should be programmed to 1, see Dial Attempts on page 53.

The panel has no way of confirming if the pager was called successfully which means a "Communication Failure" fault will never be generated.

The panel will only report the event groups that are selected in the Reporting Options, see page 54.

⑦ Mobile Phone
This protocol can be used to communicate with standard or mobile phones. When an alarm is activated the panel will dial the programmed telephone number and play a number of "bleeps", which is repeated 10 times, after which the panel will hang-up.

The number of bleeps corresponds to the pulse format code for the selected event, e.g., if the pulse code for zone 4 alarm is programmed as "4" the panel will play 4 "bleeps". See page 62 for details on configuring reporting codes.

Dial Attempts   ⑦①-③

This is the number of times the panel will attempt to communicate with Alarm Receiving Centre 1.

📝 **NOTE** The maximum number of repeat dialling attempts is limited to 9. The system will only allow you to enter values between 0 and 9. Setting the value to 0 will disable the communicator for ARC 1.

Partition Options   ⑦①-④

The Partition Options are described as follows:

① Report for Partition 1
On: The system will report events for Partition 1 to Alarm Receiving Centre 1.
Off: The system will not report events for Partition 1.

② Report for Partition 2
On: The system will report events for Partition 2 to Alarm Receiving Centre 1.
Off: The system will not report events for Partition 2.

③ **Report for Partition 3 (*Premier 816/832* Only)**
On: The system will report events for Partition 3 to Alarm Receiving Centre 1.
Off: The system will not report events for Partition 3.

④ **Report for Partition 4 (*Premier 816/832* Only)**
On: The system will report events for Partition 4 to Alarm Receiving Centre 1.
Off: The system will not report events for Partition 4.

Reporting Options ⑦①-⑤

The Reporting Options are described as follows:

① **Report Priority Alarm and Cancel Events**
On: Priority alarm and cancel events are reported to ARC1.
Off: Priority alarms and cancel events are not reported.

② **Report Alarm and Cancel Events**
On: Alarm and cancel events are reported to ARC1.
Off: Alarm and cancel events are not reported.

③ **Report Open and Close Events**
On: Open and close events are reported to ARC1.
Off: Open and close events are not reported.

④ **Report Bypass and Unbypass Events**
On: Bypass and unbypass events are reported to ARC1.
Off: Bypass and unbypass events are not reported.

⑤ **Report Maintenance Alarm Events**
On: Maintenance alarm events are reported to ARC1.
Off: Maintenance alarm events are not reported.

⑥ **Report Tamper Alarm Events**
On: Tamper alarm events are reported to ARC1.
Off: Tamper alarm events are not reported.

⑦ **Report Test Transmission Events**
On: Test transmission events are reported to ARC1.
Off: Test transmission events are not reported.

⑧ **Report Restore Events**
On: Restore events are reported to ARC1.
Off: Restore events are not reported.

Pulse Format Options ⑦①-⑥

If ARC 1 protocol is programmed for "Pulse Format", the pulse format protocol can be changed using this menu option. The following options are available:

① **Use 1900Hz Carrier**
On: Pulse Format carrier frequency is set to 1900Hz.
Off: Pulse Format carrier frequency is set to 1800Hz.

② **Use 40 PPS Baud Rate**
On: Pulse Format baud rate is set to 40 pulses per second.
Off: Pulse Format baud rate is set to 20 pulses per second.

③ **Enable Parity**
On: Pulse Format uses parity.
Off: Pulse Format doesn't use parity.

④ **Use 2 Digit Events**
On: Pulse/Express Format uses 2 digits (3 + 2 or 4 + 2).
Off: Pulse/Express Format uses 1 digit (3 + 1 or 4 + 1).

⑤ **Use 2300Hz Handshake**
On: Pulse Format uses 2300Hz handshake.
Off: Pulse Format uses 1400Hz handshake.

⑥ **Use 2300Hz Kiss-Off Frequency**
On: Pulse Format uses 2300Hz kiss-off.
Off: Pulse Format uses 1400Hz kiss-off.

⑦ **Use Fast/Slow Format**
On: Pulse Format uses 10 PPS.
Off: Pulse Format uses either 20 or 40 PPS as defined by option 2 (Use 40 PPS Baud Rate).

The table below shows how to configure some of the common protocols:

Protocol	Zone Lights						
	1	2	3	4	5	6	7
Ademco Slow 3x1/4x1	-	-	-	-	-	-	✔
Ademco Slow 3x2/4x2	-	-	-	✔	-	-	✔
Ademco Fast 3x1/4x1	-	-	-	-	-	-	-
Ademco Fast 3x2/4x2	-	-	-	✔	-	-	-
Silent Knight Fast 3x1/4x1	✔	-	-	-	-	-	-
Silent Knight Fast 3x2/4x2	✔	-	-	✔	-	-	-
FBI (No Parity) 3x1/4x1	✔	-	-	-	-	-	-
FBI (Parity) 3x1/4x1	✔	-	✔	-	-	-	-
Franklin 3x1/4x1	-	-	-	-	✔	✔	-
Franklin 3x2/4x2	-	-	-	✔	✔	✔	-
Radionics 3x1/4x1	-	✔	-	-	✔	✔	-
Radionics (Parity) 3x1/4x1	-	✔	✔	-	✔	✔	-
Radionics 3x2/4x2	-	✔	-	✔	✔	✔	-
Radionics (Parity) 3x2/4x2	-	✔	✔	✔	✔	✔	-
Sescoa	✔	-	-	-	-	-	-
Sescoa Super Fast	-	-	✔	-	-	-	-

✔ ✓ = Zone Light On

Fast Format/Speech Reporting Channels ⑦①-⑦

This option defines which channels are reported to Alarm Receiving Centre 1 when using the Fast Format communication protocol (see page 53).

① **Report Fast Format/Speech Channel 1**
On: Channel 1 is reported.
Off: Channel 1 is not reported.

② **Report Fast Format/Speech Channel 2**
On: Channel 2 is reported.
Off: Channel 2 is not reported.

③ **Report Fast Format/Speech Channel 3**
On: Channel 3 is reported.
Off: Channel 3 is not reported.

④ **Report Fast Format/Speech Channel 4**
On: Channel 4 is reported.
Off: Channel 4 is not reported.

⑤ **Report Fast Format Channel 5**
On: Channel 5 is reported.
Off: Channel 5 is not reported.

⑥ **Report Fast Format Channel 6**
On: Channel 6 is reported.
Off: Channel 6 is not reported.

⑦ **Report Fast Format Channel 7**
On: Channel 7 is reported.
Off: Channel 7 is not reported.

⑧ **Report Fast Format Channel 8**
On: Channel 8 is reported.
Off: Channel 8 is not reported.

📝 **NOTE** The channel must also be programmed to report an event, see "Program Outputs" on page 45.

Protocol Options   ⑦①-⑧

This menu option allows you to alter the operation of certain protocol types. The Protocol Options are described as follows:

① **Disable SIA Modifier Block/Enable Speech Module**
On: When using SIA protocol, the area/partition modifier data block (ri) is not transmitted. When using Fast Format protocol the *Speech Module* is enabled.
Off: When using SIA protocol, the area/partition modifier data block (ri) is transmitted. When using Fast Format protocol the *Speech Module* is disabled.

② **Disable Separate Events for Each Partition**
On: The panel will communicate as follows:
- If the event occurs in single partition, the panel will report the event using the appropriate account number for the partition.
- If the event occurs in multiple partitions, the panel will report the event using the appropriate account number for the lowest partition, e.g., if the event occurs in partitions 2, 3 and 4, the panel will report the event for partition 2.
- If the account number is not programmed for partitions 2, 3 and 4, the global (partition 1) account number is used.

Off: The panel will communicate as follows:
- If the event occurs in single partition, the panel will report the event using the appropriate account number for the partition.
- If the event occurs in multiple partitions, the panel will report a separate event for each partition using the appropriate account numbers. E.g., if the event occurs in

partitions 1 and 3, the panel will report the event for partition 1 using the account number for partition 1, then it will report the event for partition 2 using the account number for partition 2.

- If the account number is not programmed for partitions 2, 3 and 4, the global (partition 1) account number is used.

③ **Pager Terminator = * (Star)**
On: When using the pager format, the panel transmits a * (star) to terminate the pager call.
Off: When using the pager format, the panel transmits a # (hash) to terminate the pager call.

④ **Send Pager Terminator Twice/SIA Text**
On: When using the pager format, the panel transmits the pager terminator (* or #) twice to terminate the pager call. If SIA protocol is enabled, the panel will send zone/user text for relevant events (SIA level 3).
Off: When using the pager format, the panel transmits the pager terminator (* or #) once to terminate the pager call. If SIA protocol is enabled, the panel does not send zone/user text for relevant events (SIA level 2).

⑤ **Pager DTMF Tones = 500mS**
On: When using the pager format, the panel transmits the pager DTMF tones with an on time of 500mS.
Off: When using the pager format, the panel transmits the pager DTMF tones with an on time of 80mS.

⑥ **Disable Zone Restorals**
On: Zone restore events are not sent to the Alarm Receiving Centre (even if Report Restore Events are enabled, see page 54).
Off: Zone restore events are sent to the Alarm Receiving Centre 1 (providing Report Restore Events are enabled, see page 54).

⑦ **Communication Acknowledgment Tone**
On: After a successful communication with the alarm receiving centre the keypads and panel speaker will generate an acknowledgment tone.
Off: After a successful communication the system will remain silent.

⑧ **Send via IP**
On: Alarm events are sent to the ARC via the *ComIP* module (TCP/IP). Only Fast Format, Contact ID and SIA protocols are supported with this option.
Off: Alarm events are not sent via the *ComIP* module.

ARC 2 Communicator Options   ⑦②

This option allows the on-board communicator to be configured for Alarm Receiving Centre 2. The same options are available as for the ARC 1 communicator options (see above).

Fast Format/Speech Restore Channels ⑦③

If either ARC 1 or ARC 2 protocols are programmed as "Fast Format (UK)", the channels that report a restore event to the Alarm Receiving Centre may be selected.

① **Report Restore on Channel 1**
On: Restore reported on channel 1.
Off: Restore not reported on channel 1.

② **Report Restore on Channel 2**
On: Restore reported on channel 2.
Off: Restore not reported on channel 2.

③ **Report Restore on Channel 3**
On: Restore reported on channel 3.
Off: Restore not reported on channel 3.

④ **Report Restore on Channel 4**
On: Restore reported on channel 4.
Off: Restore not reported on channel 4.

⑤ **Report Restore on Channel 5**
On: Restore reported on channel 5.
Off: Restore not reported on channel 5.

⑥ **Report Restore on Channel 6**
On: Restore reported on channel 6.
Off: Restore not reported on channel 6.

⑦ **Report Restore on Channel 7**
On: Restore reported on channel 7.
Off: Restore not reported on channel 7.

⑧ **Report Restore on Channel 8**
On: Restore reported on channel 8.
Off: Restore not reported on channel 8.

NOTE   The channel must also be programmed to report an event, see "Program Outputs" on page 45.

The channel must also be programmed to report to the ARC, see "Fast Format Reporting Channels" on page 54.

Fast Format Open/Close Channels   ⑦④

If either ARC 1 or ARC 2 protocols are programmed as "Fast Format (UK)", the channels that report an Open/Close event to the Alarm Receiving Centre may be selected.

① **Report Open/Close on Channel 1**
On: Open/Close reported on channel 1.
Off: Open/Close not reported on channel 1.

② **Report Open/Close on Channel 2**
On: Open/Close reported on channel 2.
Off: Open/Close not reported on channel 2.

③ **Report Open/Close on Channel 3**
On: Open/Close reported on channel 3.
Off: Open/Close not reported on channel 3.

④ **Report Open/Close on Channel 4**
On: Open/Close reported on channel 4.
Off: Open/Close not reported on channel 4.

⑤ **Report Open/Close on Channel 5**
On: Open/Close reported on channel 5.
Off: Open/Close not reported on channel 5.

⑥ **Report Open/Close on Channel 6**
On: Open/Close reported on channel 6.
Off: Open/Close not reported on channel 6.

⑦ **Report Open/Close on Channel 7**
On: Open/Close reported on channel 7.
Off: Open/Close not reported on channel 7.

⑧ **Report Open/Close on Channel 8**
On: Open/Close reported on channel 8.
Off: Open/Close not reported on channel 8.

NOTE   The channel must also be programmed to report an event, see Program Outputs on page 45.

NOTE

The channel must also be programmed to report to the ARC, see "Fast Format Reporting Channels" on page 54.

Cancel Call Waiting Sequence   ⑦⑤

This is the number that the panel dials to disable Call Waiting. The number can be up to 24 digits. The Cancel Call Waiting option must also be enabled, see Communicator Options on page 52.

Programming Check List

The table below provides a checklist of what options require programming for each of the protocols supported:

Protocol	0 - Telephone No	1 - Account No	2 - Protocol Type	3 - Dial Attempts	4 - Partition Options	5 - Reporting Options	6 - Pulse Format Options	7 - Fast Format Channels	8 - Protocol Options	73 - Fast Format Restore Channels	74 - Fast Format Open/Close Channels	Notes
Pulse Format	✓✓	✓✓	✓✓ 1	✓✓	✓✓	✓✓	✓ 2		✓ 3			1. Program to type 1. 2. Use table on page 54. 3. Set option 6 as required.
Express Format	✓✓	✓✓	✓✓ 1	✓✓	✓✓	✓✓	✓ 2		✓ 3			1. Program to type 2. 2. Enable option 4 if 2 digit format is required. 3. Set option 6 as required.
Fast Format	✓✓	✓✓	✓✓ 1	✓✓				✓✓ 2		✓✓ 3	✓✓ 4	1. Program to type 3. 2. Select channels that are required to report. Also program the channels for the relevant type, see page 47. 3. Select channels that require a restore to be reported. 4. Select channels that require to report Open/Close.
Speech Module	✓✓		✓✓ 1	✓✓				✓✓ 2	✓✓ 3			1. Program to type 3. 2. Select channels 1 and/or 2,3 & 4. Also program the channels for the relevant type, see page 47. 3. Enable option 1.
Contact ID	✓✓	✓	✓✓ 1	✓✓	✓✓	✓✓			✓✓ 2			1. Program to type 4. 2. Set options 2 and 6 as required.
SIA Level 2	✓✓	✓	✓✓ 1	✓✓	✓✓	✓✓			✓✓ 2			1. Program to type 5. 2. Set options 1, 2 and 6 as required.
SIA Level 3	✓✓	✓	✓✓ 1	✓✓	✓✓	✓✓			✓✓ 2			1. Program to type 5. 2. Set options 1, 2 and 6 as required. Enable option 4.
Pager	✓✓	✓	✓✓ 1	✓✓	✓✓	✓✓			✓✓ 2			1. Program to type 6. 2. Set options 3, 4, 5 and 6 as required.
Mobile Phone	✓✓	✓	✓✓ 1	✓✓	✓✓	✓✓			✓✓ 2			1. Program to type 7. 2. Set option 6 as required.

Programming Download Options

Enter Engineers code
? ? ? ?

Then press 📖 then 9

```
Programming Menu
Enter Code > ??
```

Note
Only Engineer codes that have the "Allow NVM Locking/Communicator Programming" option are allowed to access menus 70 - 79.

Led Key
- Off
- On
- Slow Flash
- Fast Flash

7 6

```
Download Menu
Enter Option 0-8
```

Download Menu

Enter Option 0 - 8

Download Options

0

```
Download Options
> ********* <
```

Use keys 1 - 6 to select/deselect Options. Then press ✓ or 📷

Download Options
1. Enable Attended Download
2. Enable Unattended Call Back
3. Enable 2-Call Answer Phone Defeat
4. Restrict Download when Armed
5. Download when Part Armed
6. Disconnect Telephone Line

Call-Back Number

1

```
Call No>
```

Enter Telephone Number
Then press ✓ or 📷

LED: To display Telephone Number press 🔒

UDL Passcode

2

```
Passcode
```

Enter Passcode
Then press ✓ or 📷

LED: To display Telephone Number press 🔒

Call-Back Attempts

3

```
Call Attempts
Enter Value: 001
```

Enter Value 0 - 9.
LCD: Use ↕ to scroll value then press ✓.

Ring Count

4

```
Ring Count
Enter Value: 002
```

Enter Value 0 - 9.
LCD: Use ↕ to scroll value then press ✓.

Continues on
Next Page

From
Previous Page

Com 1 Device Type

(5)

Com1 Device Type
Enter Value 003

Enter Device type (0) - (5)
LCD: Use (⬍) to scroll type
then press (✓)

Device Types
(0) PC-Com/USB-Com
(1) RadioPlus
(2) Inovonics Radio
(3) ComIP Module
(4) WebWay One/Emizon Module
(5) Chiron Module

ComIP Address & Port

(6)

ComIP-1 19216800
001000980

Enter IP Address & Port No
Then press (✓) or (🔒)

LED: To display IP Address &
Port No press (🔒)
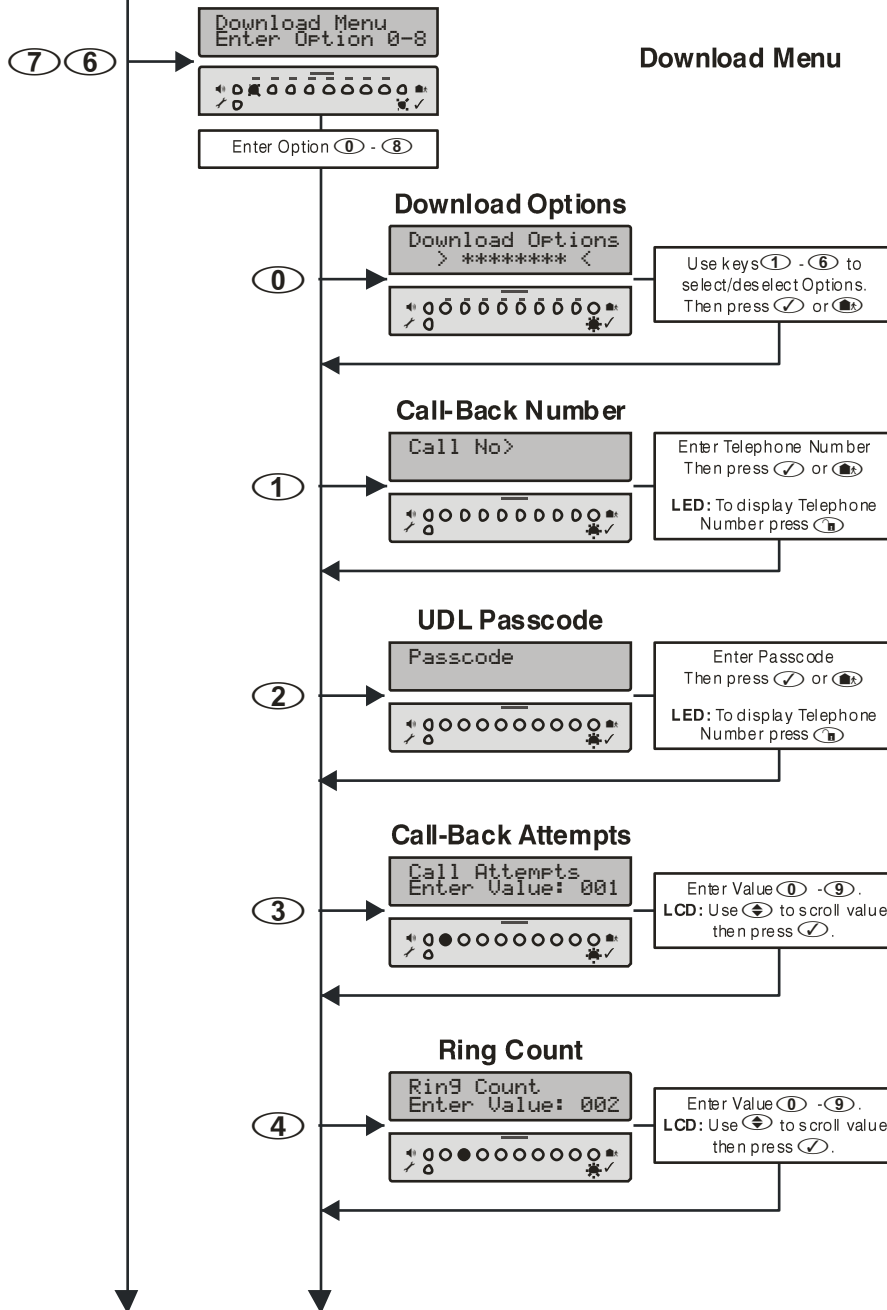
Note
The ComIP address and port number MUST be
entered as a 17 digit sequence, e.g. If the IP
address is 192.168.0.10 and the port number 980,
then it should be entered as:
192 168 000 010 00980

ComIP Gateway Address

(7)

ComIP-2 19216800
0001

Enter Gateway address
Then press (✓) or (🔒)

LED: To display Gateway
address press (🔒)

Note
The ComIP Gateway address MUST be entered as
a 12 digit sequence, e.g. If the Gateway address is
192.168.0.1, then it should be entered as:
192 168 000 001

ComIP Subnet Mask

(8)

ComIP-3
Enter Value: 008

Enter Subnet Mask value
(0)(0)(0) - (0)(2)(4).

Com 2 Device Type

(9)

Com2 Device Type
Enter Value 003

Enter Device type (0) - (5)
LCD: Use (⬍) to scroll type
then press (✓)

Device Types
(0) PC-Com/USB-Com
(1) RadioPlus
(2) Inovonics Radio
(3) ComIP Module
(4) WebWay One/Emizon Module
(5) Chiron Module

Chiron Iris Setup

(🏠)

Chiron Menu
Enter Option 0-2

Enter Option (0) - (2)
LCD: Use (⬍) to scroll type
then press (✓)

Chiron Data
(0) Access PT Name
(1) User Name
(2) Password

Download Menu ⑦⑥

The Download Menu has the following options:

⓪ Download Options

① Download Telephone Number

② UDL Passcode

③ Call Back Attempts

④ Ring Count

⑤ Com1 Device Type

⑥ ComIP Address & Port

⑦ ComIP Gateway address

⑧ ComIP Subnet Mask

⑨ Com 2 Device Type

⓮ Chiron Data Setup

Download Options ⑦⑥-⓪

The system has the following Download options:

① **Enable Attended Download**
On: The system will only allow download access if a user has authorised downloading.
Off: The system will allow unattended download access.

② **Enable Unattended Call Back**
On: The system will call back the remote computer before the system can be downloaded.
Off: Call back is not required.

③ **Enable 2-Call Answer Phone Defeat**
On: The panel will answer incoming calls as follows:

- In order to "prime" the panel one or more rings must be detected, but the panel must not detect more than the ring count. If the panel detects more than the ring count the panel will not "prime" itself.

- The panel will remain in primed state for 60 seconds.

- When the panel is primed the next incoming call is answered immediately.

Off: The panel will answer incoming calls after the specified "Download Ring Count", see below.

④ **Restrict Download when Armed**
On: Download access is restricted when the system is armed (see option 5 below).
Off: The panel can be downloaded at any time.

⑤ **Download when Part Armed**
If option 4 above is enabled, then downloading is restricted as follows:

On: The panel will allow download access if system is part armed (one or more partitions disarmed).
Off: The panel will only allow download access when all partitions are disarmed.

⑥ **Disconnect Telephone Line**
If this option is enabled, the standard T and R connections cannot be used instead the telephone line must be connected to terminals T1 and R1. This configuration provides additional lightning protection as the telephone line is isolated most of the time and is

only switched in when the panel is required to transmit an alarm or to test the status of the telephone line. If this option is used then it is NOT possible to use the upload/download feature unless the user enables "Remote Access" see page 69. The operation is as follows:

On: The telephone line is disconnected from panel during normal operation and is only switched in when the panel is required to send an alarm event or test the line (tested every hour).
Off: The telephone line is continuously connected and operates as normal.

⓪&◈(down) or ⑨&◈(up) **Polling IP Address & Port Number**
This is the polling IP Address and Port number of the alarm Receiving Centre. The IP address and port number MUST be entered as a 17 digit sequence, e.g. if the IP address is 192.168.0.10 and the port number 980, then it should be entered as: 19216800001000980. Values entered here are not used to set up the Chiron IRIS Module, (The Chiron IRIS module's Polling IP Address is taken from the first 12 digits of the Primary Telephone Number and its Account Number is that of Partition 1).

Call Back Number ⑦⑥-①

This is the telephone number that is used to dial the remote downloading computer when the system has been configured to use Unattended Call Back, see Download Options.

UDL Passcode ⑦⑥-②

When the remote downloading computer dials into the system, the control panel compares the Security code sent by the computer with Security code stored in the control panel. If the Security codes match, access to the control panel is granted, otherwise access is denied.

The security programmed in this option MUST also be programmed in the customer account on the remote downloading computer. The Security code can be up to 8 characters.

Download Dial Attempts ⑦⑥-③

If the "Enable Unattended Call Back" feature is enabled, (see Download Options), this option controls the number of times the panel will attempt to call back the remote downloading computer.

🖉 NOTE The maximum number of repeat dialling attempts is limited to 9. The system will only allow you to enter values between 0 and 9. Setting the value to 0 will disable the modem from dialling out.

Ring Count ⑦⑥-④

This counter controls the number of rings required in order for the on-board modem to answer the incoming call. If the "Ring Count" is set to 0 the panel will not answer any incoming calls.

Com1 Device Type ⑦⑥-⑤

This option allows you to specify which module is connected to communication port Com1.The control panel will accept the following modules:

⓪ *PC-Com*
① *RadioPlus*
② *Inovonics Radio*
③ *ComIP*
④ *WebWayOne/Emizon Module*
⑤ *Chiron Module*

IP Address & Port ⑦⑥-⑥

This option allows you to assign a local IP address and port number to a module connected to a Com Port (e.g. ComIP or Chiron IRIS). The IP address and port number MUST be entered as a 17 digit sequence, e.g. If the IP address is 192.168.0.10 and the port number 980, then it should be entered as: 19216800001000980. If an IP module (WebWayOne, Chiron IRIS, etc) is fitted its IP address and port must also enter via the Polling IP address and port number.

> **NOTE** Note for the Chiron IRIS module entry of only the 12 digit IP Address results in the port number being set to its default, 10001.

ComIP Gateway Address ⑦⑥-⑦

This option allows you to assign a Gateway IP address to the *ComIP* module (if fitted). The Gateway IP address MUST be entered as a 12 digit sequence, e.g. If the Gateway IP address is 192.168.0.1, then it should be entered as: 192168000001.

ComIP Subnet Mask ⑦⑥-⑧

This option allows you to assign a Subnet Mask to the *ComIP* module (if fitted). The Subnet Mask is entered as a decimal value of 001 through to 024. Each decimal value generates the following Subnet Masks used by the *ComIP* module:

Value	Subnet Mask	Value	Subnet Mask
001	255.255.255.254	013	255.255.224.0
002	255.255.255.252	014	255.255.192.0
003	255.255.255.248	015	255.255.128.0
004	255.255.255.240	016	255.255.0.0
005	255.255.255.224	017	255.254.0.0
006	255.255.255.192	018	255.252.0.0
007	255.255.255.128	019	255.248.0.0
008	255.255.255.0	020	255.240.0.0
009	255.255.254.0	021	255.224.0.0
010	255.255.252.0	022	255.192.0.0
011	255.255.248.0	023	255.128.0.0
012	255.255.240.0	024	255.0.0.0

Com2 Device Type ⑦⑥-⑨

This option allows you to specify which module is connected to communication port Com2. See Com1 Device Type above for a list of supported devices.

Chiron Iris Data Setup ⑦⑥-●

This menu option has three submenus to allow programming of the Chiron Iris module data. The value of each parameter can be viewed by pressing the ✓ key or its value can be edited by pressing the ✗ key. A maximum of 30 characters for the Access Point Name and 32 Characters for User Name and Password can be entered. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press the ⬥ key to move the cursor along). For details on entering text, see page 22.

⑦⑥-●-①

Access Point Name

This is the GPRS Access Point Name. It's value can be viewed by pressing the ⒴ₑₛ key or its value can be edited by pressing the Ⓝ No key. A maximum of 30 characters can be entered. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press the ⬥ key to move the cursor along). For details on entering text, see page 22.

⑦⑥-●-②

User Name

This is the GPRS Access Point Name. It's value can be viewed by pressing the ✓ key or its value can be edited by pressing the ✗ key. A maximum of 32 characters can be entered. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press the ⬥ key to move the cursor along). For details on entering text, see page 22.

⑦⑥-●-③

Password

This is the GPRS Access Point Name. It's value can be viewed by pressing the ✓ key or its value can be edited by pressing the ✗ key. A maximum of 32 characters can be entered. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press the ⬥ key to move the cursor along). For details on entering text, see page 22.
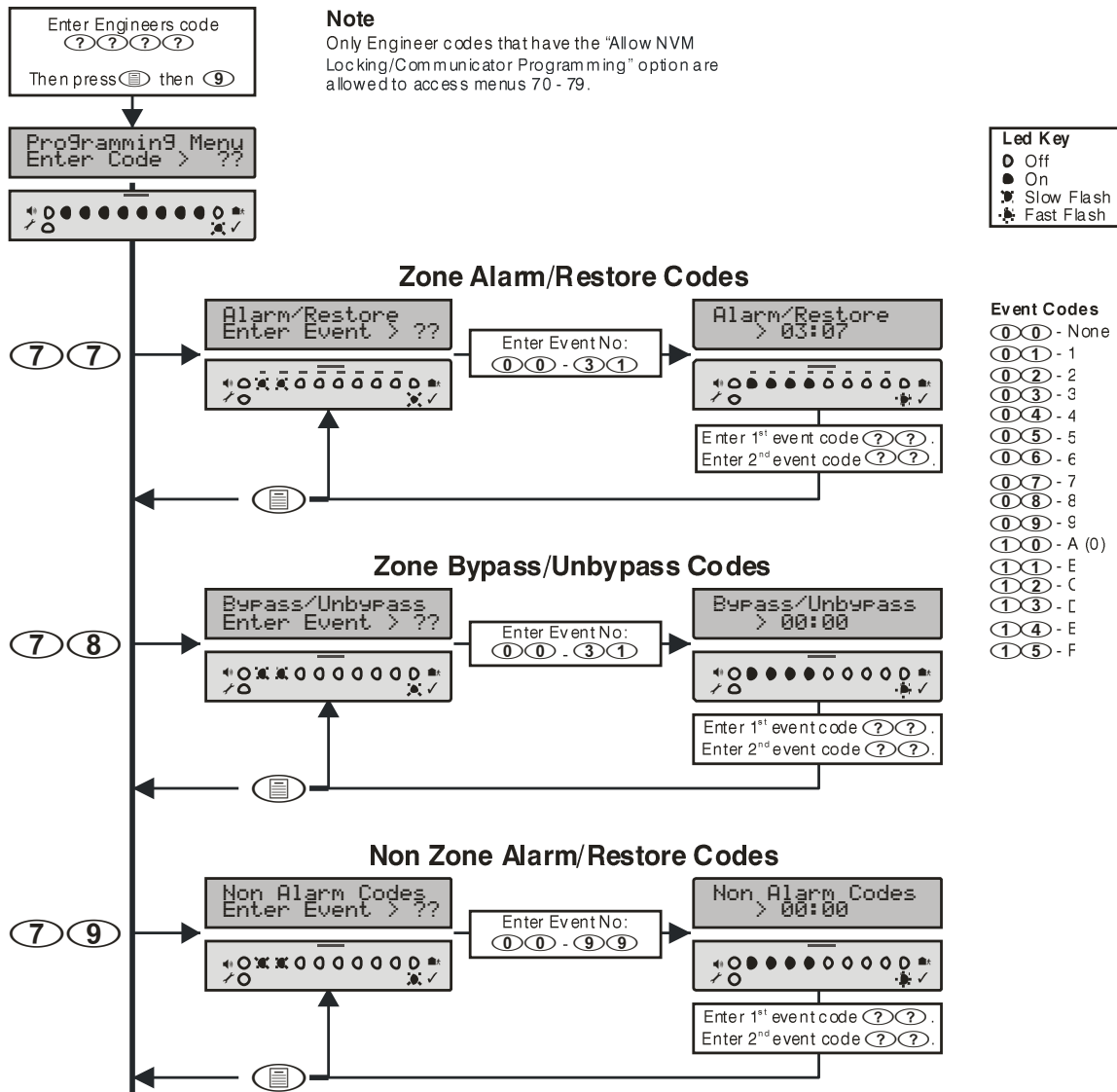
Programming Reporting Codes

Enter Engineers code
? ? ? ?

Then press ▤ then ⑨

```
Programming Menu
Enter Code >  ??
```
◄» ○ ● ● ● ● ● ● ● ○ ►
 ╱ ○   ※ ✓

Note

Only Engineer codes that have the "Allow NVM Locking/Communicator Programming" option are allowed to access menus 70 - 79.

Led Key
- ○ Off
- ● On
- ※ Slow Flash
- ◄⋇ Fast Flash

Event Codes
- ⓪⓪ - None
- ⓪① - 1
- ⓪② - 2
- ⓪③ - 3
- ⓪④ - 4
- ⓪⑤ - 5
- ⓪⑥ - 6
- ⓪⑦ - 7
- ⓪⑧ - 8
- ⓪⑨ - 9
- ①⓪ - A (0)
- ①① - B
- ①② - C
- ①③ - D
- ①④ - E
- ①⑤ - F

Zone Alarm/Restore Codes

⑦ ⑦ →
```
Alarm/Restore
Enter Event > ??
```

Enter Event No:
⓪⓪ - ③①

```
Alarm/Restore
   >  03:07
```

Enter 1st event code ? ? .
Enter 2nd event code ? ? .

Zone Bypass/Unbypass Codes

⑦ ⑧ →
```
Bypass/Unbypass
Enter Event > ??
```

Enter Event No:
⓪⓪ - ③①

```
Bypass/Unbypass
   >  00:00
```

Enter 1st event code ? ? .
Enter 2nd event code ? ? .

Non Zone Alarm/Restore Codes

⑦ ⑨ →
```
Non Alarm Codes
Enter Event > ??
```

Enter Event No:
⓪⓪ - ⑨⑨

```
Non Alarm Codes
   >  00:00
```

Enter 1st event code ? ? .
Enter 2nd event code ? ? .

Zone Alarm/Restore Event Numbers

No	Event Type	No	Event Type
00	Zone 01 Alarm	16	Zone 09 Alarm
01	Zone 01 Restore	17	Zone 09 Restore
02	Zone 02 Alarm	18	Zone 10 Alarm
03	Zone 02 Restore	19	Zone 10 Restore
04	Zone 03 Alarm	20	Zone 11 Alarm
05	Zone 03 Restore	21	Zone 11 Restore
06	Zone 04 Alarm	22	Zone 12 Alarm
07	Zone 04 Restore	23	Zone 12 Restore
08	Zone 05 Alarm	24	Zone 13 Alarm
09	Zone 05 Restore	25	Zone 13 Restore
10	Zone 06 Alarm	26	Zone 14 Alarm
11	Zone 06 Restore	27	Zone 14 Restore
12	Zone 07 Alarm	28	Zone 15 Alarm
13	Zone 07 Restore	29	Zone 15 Restore
14	Zone 08 Alarm	30	Zone 16 Alarm
15	Zone 08 Restore	31	Zone 16 Restore

Zone Bypass/Unbypass Event Numbers

No	Event Type	No	Event Type
00	Zone 01 Bypass	16	Zone 09 Bypass
01	Zone 01 Unbypass	17	Zone 09 Unbypass
02	Zone 02 Bypass	18	Zone 10 Bypass
03	Zone 02 Unbypass	19	Zone 10 Unbypass
04	Zone 03 Bypass	20	Zone 11 Bypass
05	Zone 03 Unbypass	21	Zone 11 Unbypass
06	Zone 04 Bypass	22	Zone 12 Bypass
07	Zone 04 Unbypass	23	Zone 12 Unbypass
08	Zone 05 Bypass	24	Zone 13 Bypass
09	Zone 05 Unbypass	25	Zone 13 Unbypass
10	Zone 06 Bypass	26	Zone 14 Bypass
11	Zone 06 Unbypass	27	Zone 14 Unbypass
12	Zone 07 Bypass	28	Zone 15 Bypass
13	Zone 07 Unbypass	29	Zone 15 Unbypass
14	Zone 08 Bypass	30	Zone 16 Bypass
15	Zone 08 Unbypass	31	Zone 16 Unbypass

Zone Alarm/Restore Codes ⑦⑦

This menu option allows you to change the alarm/restore reporting event codes for each zone. These codes are used with Pulse Format, Express Format, Pager and Mobile Phone communication protocols. The default reporting codes are listed in the programming worksheets from page 86.

📝 NOTE To disable the zone from reporting an event, program the first and second digit as 00.

Zone Bypass/Unbypass Codes ⑦⑧

This menu option allows you to change the bypass/unbypass reporting event codes for each zone. These codes are used with Pulse Format, Express Format, Pager and Mobile Phone communication protocols. The default reporting codes are listed in the programming worksheets from page 86.

📝 NOTE To disable the zone from reporting an event, program the first and second digit as 00.

Non Zone Alarm/Restore Codes ⑦⑨

This menu option allows you to change the reporting event codes for non zone events. These codes are used with Pulse Format, Express Format, Pager and Mobile Phone communication protocols. The default reporting codes are listed in the programming worksheets from page 86.

📝 NOTE To disable the event from reporting, program the first and second digit as 00.

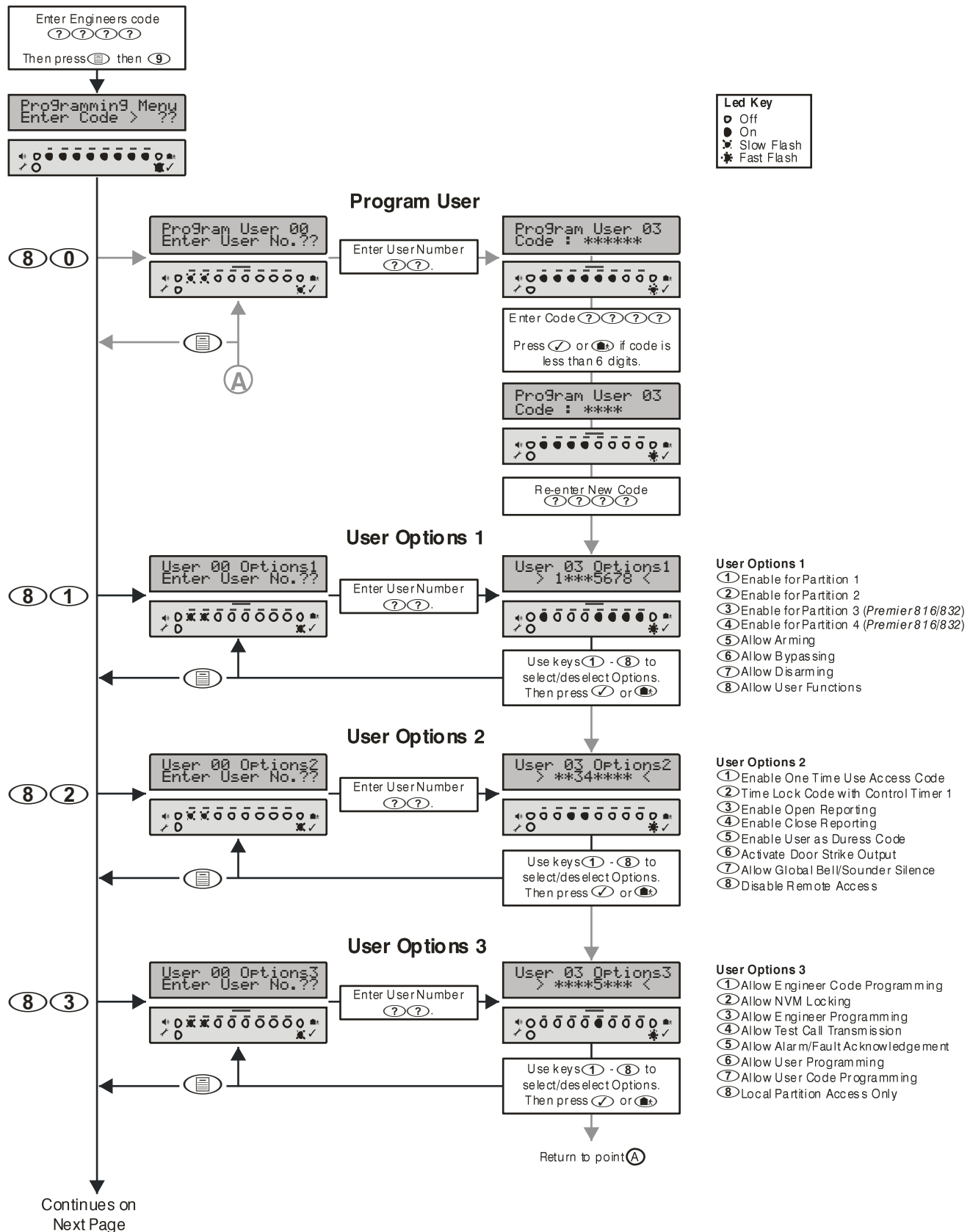The table below shows the event numbers for both alarm and restore for each event type:

Event Type	Alarm Event No	Restore Event No
AC Fail	00	01
Low Battery	02	03
Telephone Line Fault	04	05
Fail to Communicate	06	07
Open/Close	08	09
Recent Closing	10	11
Auto Open/Close	12	13
Auto Arm Deferred	14	15
Remote Open/Close	16	17
Quick Arm	18	19
Open After Alarm (Cancel)	20	21
Download Start	22	23
Download End	24	25
Group Bypass/Unbypass	26	27
Log Capacity Alert (80%)	28	29
Keypad Lockout	30	31
Code Tamper Alarm	32	33

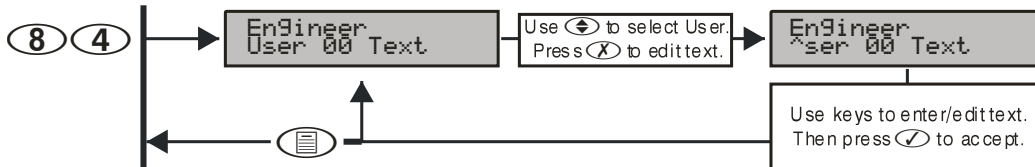| Event Type	Alarm Event No	Restore Event No
Manual Test Transmission	34	35
Automatic Test Transmission	36	37
User Zone Test Start/End	38	39
Auxiliary Power Fail/Restore	40	41
Bell Output Fault/Restore	42	43
Installer Programming Start	44	45
Installer Programming End	46	47
Exit Error	48	49
Verified Cross Zone Alarm	50	51
Soak Test	52	53
Fire Zone Trouble	54	55
System Power Up	56	57
Swinger Shutdown	58	59
User Code	60	61
Exit Started	62	63
Entry Started	64	65
Bell Active	66	67
Alarm Active	68	69
Keypad Tamper	70	71
Keypad Medical	72	73
Keypad Fire/2-Wire Smoke	74	75
Duress Code Alarm	76	77
Keypad Silent PA	78	79
Keypad Audible PA/Auxiliary PA	80	81
Box Tamper	82	83
Zone Tamper	84	85
Zone Trouble	86	87
Expander/Remote Trouble	88	89
Auxiliary Tamper Input	90	91
Date Changed	92	93
Time Changed	94	95
System Reset	96	97
Remote Control	98	99

Contact ID and SIA Codes

The reporting codes for Contact ID and SIA are fully configurable, however these codes can only be changed using *Wintex* downloading software.
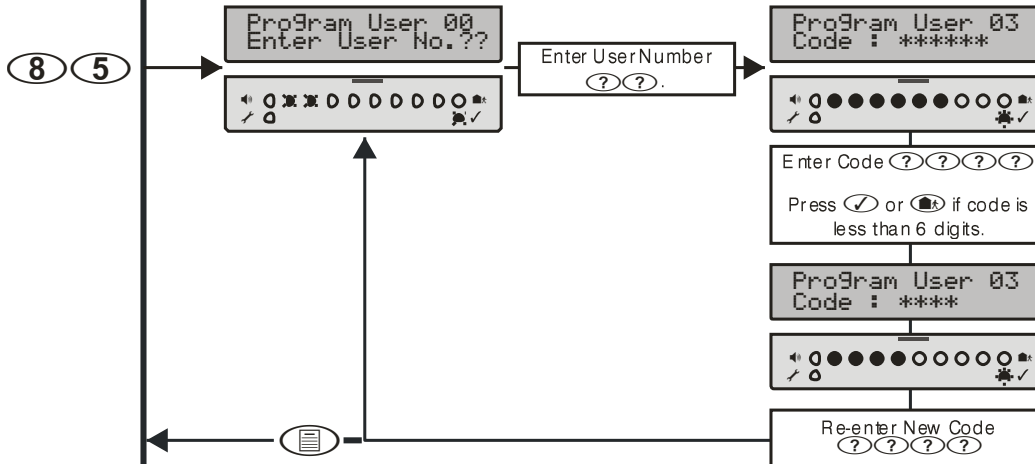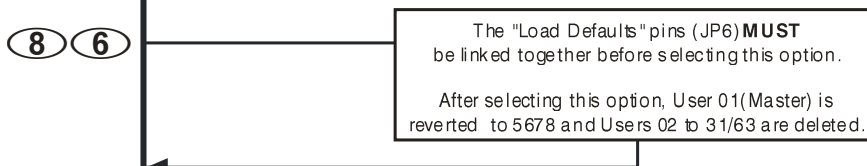
Programming Users

Enter Engineers code
⃝? ⃝? ⃝? ⃝?
Then press 🕮 then ⑨

```
Programming Menu
Enter Code >  ??
```

Led Key
▫ Off
● On
✹ Slow Flash
❋ Fast Flash

Program User

⑧ ⓪

```
Program User 00
Enter User No.??
```

Enter User Number
⃝? ⃝?.

```
Program User 03
Code : ******
```

Enter Code ⃝? ⃝? ⃝? ⃝?

Press ✓ or 🔔 if code is less than 6 digits.

```
Program User 03
Code : ****
```

Re-enter New Code
⃝? ⃝? ⃝? ⃝?

Ⓐ

🕮

User Options 1

⑧ ①

```
User 00 Options1
Enter User No.??
```

Enter User Number
⃝? ⃝?.

```
User 03 Options1
> 1***5678 <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

🕮

User Options 1
① Enable for Partition 1
② Enable for Partition 2
③ Enable for Partition 3 (*Premier 816/832*)
④ Enable for Partition 4 (*Premier 816/832*)
⑤ Allow Arming
⑥ Allow Bypassing
⑦ Allow Disarming
⑧ Allow User Functions

User Options 2

⑧ ②

```
User 00 Options2
Enter User No.??
```

Enter User Number
⃝? ⃝?.

```
User 03 Options2
> **34**** <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

🕮

User Options 2
① Enable One Time Use Access Code
② Time Lock Code with Control Timer 1
③ Enable Open Reporting
④ Enable Close Reporting
⑤ Enable User as Duress Code
⑥ Activate Door Strike Output
⑦ Allow Global Bell/Sounder Silence
⑧ Disable Remote Access

User Options 3

⑧ ③

```
User 00 Options3
Enter User No.??
```

Enter User Number
⃝? ⃝?.

```
User 03 Options3
> ****5*** <
```

Use keys ① - ⑧ to select/deselect Options. Then press ✓ or 🔔

🕮

User Options 3
① Allow Engineer Code Programming
② Allow NVM Locking
③ Allow Engineer Programming
④ Allow Test Call Transmission
⑤ Allow Alarm/Fault Acknowledgement
⑥ Allow User Programming
⑦ Allow User Code Programming
⑧ Local Partition Access Only

Return to point Ⓐ

Continues on Next Page

From
Previous Page

User Text

(8)(4)

```
En9ineer
User 00 Text
```

Use ⬍ to select User.
Press ✗ to edit text.

```
En9ineer
^ser 00 Text
```

Use keys to enter/edit text.
Then press ✓ to accept.

Text Editing Keys
1 . , ? ! 1 @ " - &
2 a b c 2 A B C
3 d e f 3 D E F
4 g h I 4 G H I
5 j k l 5 J K L
6 m n o 7 M N O
7 p q r s 7 P Q R S
8 t u v 8 T U V
9 w x y z 9 W X Y Z
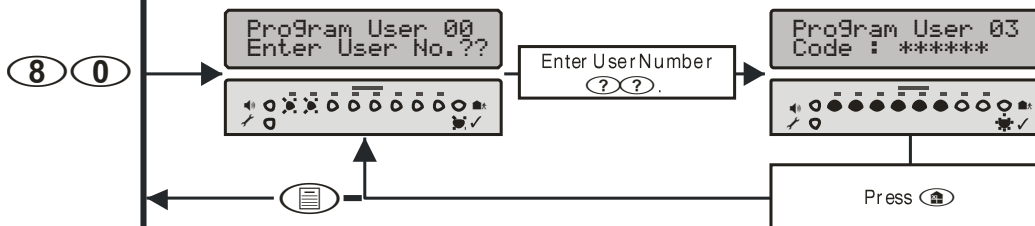0 Space 0 , # *
⬍ Move Left/Right
↻ Backspace (delete)

Program Standard Users

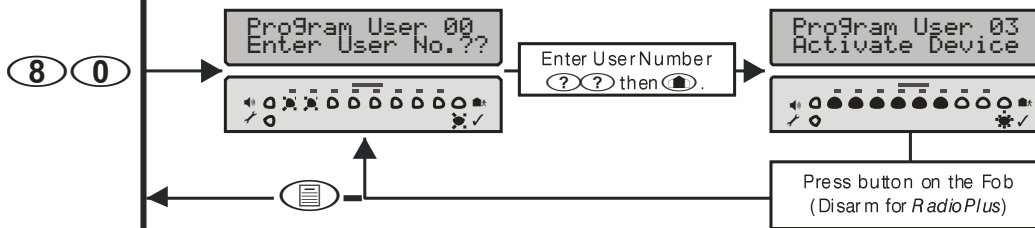(8)(5)

```
Pro9ram User 00
Enter User No.??
```

Enter User Number
(?)(?).

```
Pro9ram User 03
Code : ******
```

Enter Code (?)(?)(?)(?)

Press ✓ or 🏠 if code is
less than 6 digits.

```
Pro9ram User 03
Code : ****
```

Re-enter New Code
(?)(?)(?)(?)

Default ALL Users

(8)(6)

The "Load Defaults" pins (JP6) **MUST**
be linked together before selecting this option.

After selecting this option, User 01(Master) is
reverted to 5678 and Users 02 to 31/63 are deleted.

Delete User

(8)(0)

```
Pro9ram User 00
Enter User No.??
```

Enter User Number
(?)(?).

```
Pro9ram User 03
Code : ******
```

Press 🏠

Assign Radio Fob

(8)(0)

```
Pro9ram User 00
Enter User No.??
```

Enter User Number
(?)(?) then 🏠.

```
Pro9ram User 03
Activate Device
```

Press button on the Fob
(Disarm for *RadioPlus*)

Program User   ⑧⓪

The Program User option allows the engineer to assign new users for the alarm system. The number of users (including the engineer) that are available is as follows:

- *Premier 412* - 32 Users

- *Premier 816* - 32 Users

- *Premier 832* - 64 Users

User 00 is the Engineer and can only be accessed by the engineer code. User 01 is the Master User which has a default code of 5678. Neither of these two users can be deleted from the system.

Each user is assigned the following attributes:

- **Access Code**

   This is a unique 4, 5 or 6 digit code that is assigned to the user. The system will allow a mixture of different length Access codes. The Access code must be entered at a keypad before the user can operate the alarm system.

- **User Options 1**

   See User Options 1 on page 66 for details.

- **User Options 2**

   See User Options 2 on page 66 for details.

- **User Options 3**

   See User Options 3 on page 67 for details.

- **User Text (LCD Only)**

   See User Text on page 67 for details.

When using an LED keypad it is possible to view the next available user by pressing the (Area) key before entering the two digit user number. This will cause the next available user to be indicated using the top row of status lights.

User Options 1   ⑧①

User Options 1 can be enabled or disabled for a selected user so that the level of access to the system may be altered. The following options are available:

① **Enable for Partition 1**
On: The user can access Partition 1.
Off: The user cannot access Partition 1.

② **Enable for Partition 2**
On: The user can access Partition 2.
Off: The user cannot access Partition 2.

③ **Enable for Partition 3 (*Premier 816/832* Only)**
On: The user can access Partition 3.
Off: The user cannot access Partition 3.

④ **Enable for Partition 4 (*Premier 816/832* Only)**
On: The user can access Partition 4.
Off: The user cannot access Partition 4.

⑤ **Allow Arming**
On: The user can arm the partitions they have been given access to.
Off: The user cannot arm any partitions.

⑥ **Allow Bypassing**
On: The user can bypass zones in partitions they have been given access to.
Off: The user cannot bypass zones.

⑦ **Allow Disarming**
On: The user can disarm the partitions they have been given access to.
Off: The user cannot disarm any partitions.

> **NOTE** The Engineer code (User 0) can only disarm the system, if the system was armed with the Engineer code.

⑧ **Allow User Functions**
On: The user can access the following user functions:
   - Reset
   - View Alarm Log
   - View Service Faults
   - Enable Chime
   - Change Own Code
Off: The user cannot access the above user functions.

User Options 2   ⑧②

User Options 2 can be enabled or disabled for a selected user so that the level of access to the system may be altered. The following options are available:

① **Enable One Time Use Access Code**
On: The Access code can only be used once to arm and disarm the system. After the Access code has been used to arm the system it is automatically deleted.
Off: The Access code behaves normally.

② **Time Lock Code with Control Timer 1**
On: When Control Timer 1 is on, the Access code will not be accepted by the system. When Control Timer 1 is off, the Access code will be accepted by the system. For information on programming Control Timers, see page 36.
Off: The Access code will be accepted at all times.

③ **Enable Open Reporting**
On: The system will report an 'Open' condition to the alarm receiving centre when the Access code is used to disarm one or more partitions.
Off: The system will not report an 'Open' status.

> **NOTE** The panel will always send an open signal after an alarm even if this option is disabled.

④ **Enable Close Reporting**
On: The system will report a 'Close' condition to the monitoring station when the Access code is used to arm one or more partitions.
Off: The system will not report a 'Close' condition.

⑤ **Enable User as Duress Code**
On: The Access code will report a 'Duress' condition to the monitoring station when the Access code is used.
Off: The Access code behaves normally.

⑥ **Activate Door Strike Output**
On: When a user Access code is entered, the output type "Door Strike" (see page 49) is activated for 2 seconds.
Off: The user Access code will not activate the "Door Strike" output.

⑦ **Allow Global Bell/Sounder Silence**
On: This option allows users to silence the bell and internal sounder for any partition, even if the user is not assigned to

the partition that is in alarm. The user cannot disarm or reset the partition if they are not assigned to it.

Off: The user can only silence alarms for partitions that are assigned to their code.

⑧ **Disable Remote Access**

On: The touch-tone remote control feature is disabled for the selected user.

Off: The touch-tone remote control feature is enabled for the selected user.

User Options 3   ⑧ ③

User Options 3 can be enabled or disabled for a selected user so that the level of access to the system may be altered. The following options are available:

① **Allow Engineer Code Programming**

On: The Access code can access User 00 (Engineer) in the Program New Users menu (menu 80).

Off: The Access code cannot access user 00 in the Program New Users menu.

② **Allow NVM Locking/Communicator Programming**

On: The Access code is allowed to lock/unlock the NVM (providing "Allow Engineer Programming" is enabled). Once the NVM is locked the "Load Defaults" jumper pins on the main control panel are disabled, thus preventing the panel from being defaulted. The Access code is also allowed to access the communicator programming menus 70 - 79.

Off: The Access code cannot lock/unlock the NVM or access communicator programming menus 70 - 79.

③ **Allow Engineer Programming**

On: The Access code can access the Engineer programming menus.

Off: The Access code cannot access the Engineer programming menus.

④ **Allow Test Call Transmission**

On: The Access code can perform a test transmission to the monitoring station (menu 92, see page 69).

Off: The Access code cannot perform a test transmission.

⑤ **Allow Alarm/Fault Acknowledgement**

On: The Access code can be used to acknowledge and reset alarms and service faults. A user with this option can disarm the system after an alarm, even if the user does not have the "Allow Disarming" option.

Off: The Access code cannot be used to acknowledge and reset alarms and service faults.

⑥ **Allow User Programming**

On: The Access code can access the user program menus (menu 90 - 98).

Off: The Access code cannot access the user program menus.

⑦ **Allow User Code Programming**

On: The Access code can access users 01 to 31 in the User programming menus (menus 80 - 85).

Off: The Access code cannot access user 01 to 31 in the User programming menus.

⑧ **Local Partition Access Only**

On: The Access code can only be used to arm and disarm the partitions that are assigned to the remote keypad. For example, if the user is assigned to all four partitions and they use a remote keypad that is only assigned to partition 1, they will only be permitted to arm and disarm partition 1 at that particular remote keypad.

Off: The Access code can be used at any remote keypad (Global access).

User Text (LCD Only)   ⑧ ④

If the system is fitted with a LCD remote keypad you can assign up to 8 characters of text to each user. This text is used when viewing the system Event Log, see page 77. User text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press ⊕ to move the cursor along). For details on entering text, see page 22.

Program Standard Users   ⑧ ⑤

This menu option allows you to add "Standard" users to the system. The user will automatically be assigned the following options:

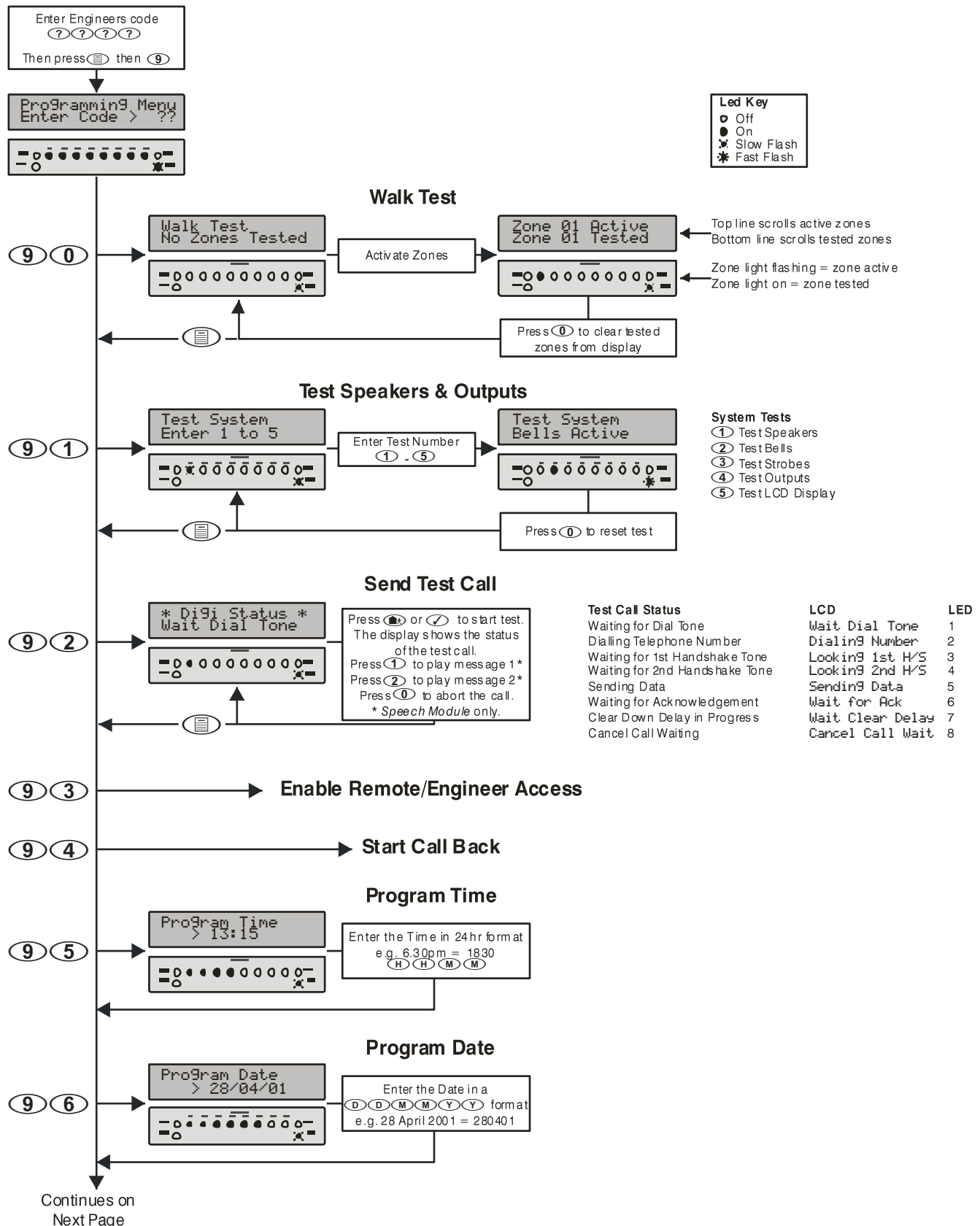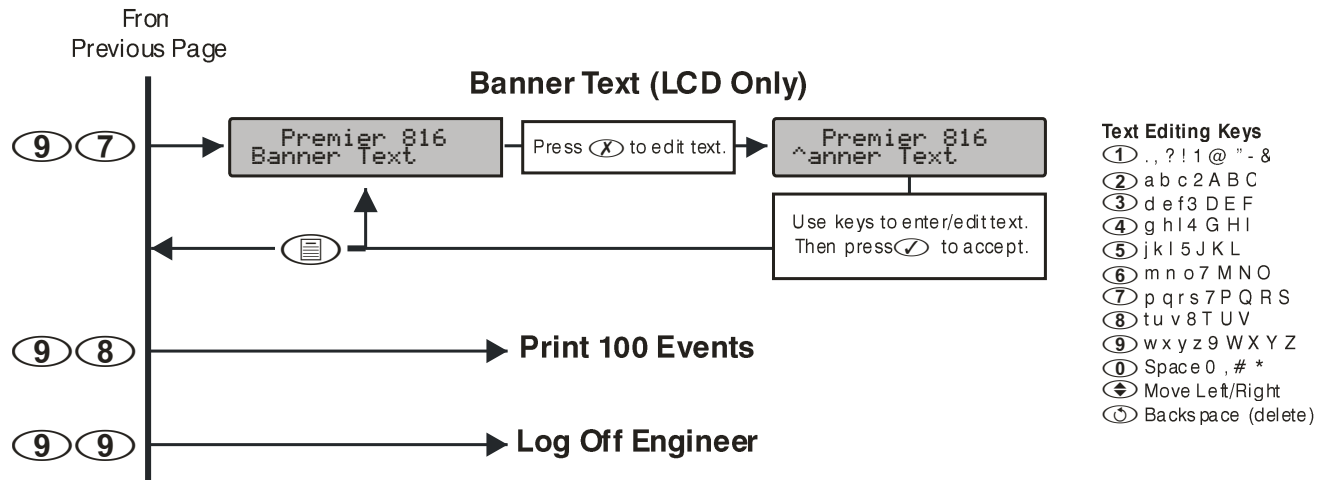| User Options 1:	Partition 1 Access
	Allow Arming
	Allow Bypassing
	Allow Disarming
	Allow User Functions
User Options 2:	Enable Open Reporting
	Enable Close Reporting
	Allow Global Bell/Sounder Silence
User Options 3:	Allow Alarm/Fault Acknowledgement

Default ALL Users   ⑧ ⑥

This menu option allows you to default all Users to their factory default settings. Before selecting this menu option you **MUST** link out the "Load Defaults" pins (JP6) on the control panel PCB, see page 8. After selecting this option, User 01(Master) is reverted to 5678 and Users 02 onwards are deleted.

System Tests & Utilities

Enter Engineers code
? ? ? ?
Then press ▤ then 9

Programming Menu
Enter Code > ??

Led Key
○ Off
● On
✵ Slow Flash
✳ Fast Flash

Walk Test

9 0

Walk Test
No Zones Tested

→ Activate Zones →

Zone 01 Active
Zone 01 Tested

Top line scrolls active zones
Bottom line scrolls tested zones

Zone light flashing = zone active
Zone light on = zone tested

Press 0 to clear tested zones from display

Test Speakers & Outputs

9 1

Test System
Enter 1 to 5

→ Enter Test Number 1 - 5 →

Test System
Bells Active

System Tests
1 Test Speakers
2 Test Bells
3 Test Strobes
4 Test Outputs
5 Test LCD Display

Press 0 to reset test

Send Test Call

9 2

* Digi Status *
Wait Dial Tone

Press ▤ or ✓ to start test. The display shows the status of the test call.
Press 1 to play message 1 *
Press 2 to play message 2 *
Press 0 to abort the call.
* *Speech Module* only.

Test Call Status	LCD	LED
Waiting for Dial Tone	Wait Dial Tone	1
Dialling Telephone Number	Dialing Number	2
Waiting for 1st Handshake Tone	Looking 1st H/S	3
Waiting for 2nd Handshake Tone	Looking 2nd H/S	4
Sending Data	Sending Data	5
Waiting for Acknowledgement	Wait for Ack	6
Clear Down Delay in Progress	Wait Clear Delay	7
Cancel Call Waiting	Cancel Call Wait	8

Enable Remote/Engineer Access

9 3

Start Call Back

9 4

Program Time

9 5

Program Time
> 13:15

Enter the Time in 24hr format
e.g. 6.30pm = 1830
H H M M

Program Date

9 6

Program Date
> 28/04/01

Enter the Date in a
D D M M Y Y format
e.g. 28 April 2001 = 280401

Continues on
Next Page

From
Previous Page

Banner Text (LCD Only)

⑨ ⑦ → Premier 816   Press ✗ to edit text.   Premier 816
         Banner Text   ^anner Text

                    📖   Use keys to enter/edit text.
                                                       Then press ✓ to accept.

Text Editing Keys
① . , ? ! 1 @ " - &
② a b c 2 A B C
③ d e f 3 D E F
④ g h I 4 G H I
⑤ j k l 5 J K L
⑥ m n o 7 M N O
⑦ p q r s 7 P Q R S
⑧ t u v 8 T U V
⑨ w x y z 9 W X Y Z
⓪ Space 0 , # *
⬍ Move Left/Right
↺ Backspace (delete)

⑨ ⑧ → **Print 100 Events**

⑨ ⑨ → **Log Off Engineer**

Walk Test   ⑨ ⓪

The Walk Test feature can only be performed when the partition is disarmed. 24 hour zones (except Fire, Tamper and Trouble) are disabled during Zone Test allowing Audible PA buttons, Silent PA buttons, etc. to be tested.

📝 **NOTE** Pressing Reset clears all previously tested zones.

Test Speakers & Outputs   ⑨ ①

This menu options allows you to perform the following tests:

① Test Speakers

② Test Bells

③ Test Strobes

④ Test System Outputs

⑤ Test LCD Display

📝 **NOTE** Only outputs with the 'Enable User Test' option selected (see page 49), will be included in test 4.

Send Test Call   ⑨ ②

This menu options allows you to send a test call transmission to your Alarm Receiving Centre. If the engineer code is used to select this option the keypad will display the progress status of the call.

📝 **NOTE** If the panel is fitted with a *Speech Module*, keys ① - ④ can be used to switch between speech message 1 - 4 during the test.

Enable Remote/Engineer Access   ⑨ ③

This option will enable both Remote Access to the control panel via downloading and Engineer Access (if EN 50131-1 requirements is enabled, see page 37). Once enabled, the control panel will allow access until 12.00am, after which, both Remote and Engineer Access will be disabled.

📝 **NOTE** If the "Load Defaults" jumper pins (JP6) are shorted whilst this menu option is selected, the Engineer Access code is restored to its factory default setting of 1234 (providing the NVM is not locked).

Start Call Back   ⑨ ④

This option will cause the control panel to initiate a call back sequence. This will allow the remote downloading computer to remotely access the control panel.

📝 **NOTE** If the Call Back is unsuccessful the keypad will sound the Error Tone.

Program Time   ⑨ ⑤

The control panel has a real time clock that is used to date and time stamp events that are recorded within the system log. The option allows you to set the control panel time.

Program Date   ⑨ ⑥

The control panel has a real time clock that is used to date and time stamp events that are recorded within the system log. The option allows you to set the date on the control panel.

Program Banner Text (LCD only)   ⑨ ⑦

If the system is fitted with a LCD remote keypad you can assign up to 16 characters of text to the Banner Message. The Banner Message is displayed on the top line of the LCD display during the normal disarmed state. Text is programmed in a similar way to mobile phones. Characters are selected by pressing the corresponding key the appropriate number of times (to select a character on the same key, press ⬍ to move the cursor along). For details on entering text, see page 22.

Print 100 Events   ⑨ ⑧

This menu option allows the last 100 events in the system Event Log to be sent to the printer port (Com1).

Log Off Engineer   ⑨ ⑨

Selecting this menu option will log you out of engineer's programming mode and return the system to its normal state.

5. Operating the Alarm System

Introduction

Before attempting to operate the alarm system ensure you have familiarised yourself with all the arming and disarming methods covered in this section.

Access Codes

*   If you make a mistake whilst entering your Access code, simply enter the correct Access code.

Arming & Disarming the Alarm System

Checking if the System is Ready to Arm

To help prevent faults during arming, a **Ready** light has been provided on each keypad. The **Ready** light works as follows:

*   If the **Ready** light is on steady then the alarm system is ready to be armed.

*   If the **Ready** light is flashing then the alarm system has bypassed zones and/or Force Armable zones that are violated, check these zones before proceeding.

*   If the **Ready** light is off then one or more zones are violated, either secure or bypass these zones before proceeding. The keypads will display the zones that are violated:

```
Zone 01 Active
Front Door
```

```
Zone 04 Active
Patio Doors
```

Active zones are indicated by the relevant zone lights on LED Keypads

Active zones are scrolled in sequence on LCD keypads

NOTE If any unbypassed zones that are not enabled for "Force Arming" are violated at the end of the exit delay this is termed an exit error and the alarm system will go into fail set state (internal alarm). If programmed by the installer the external bell will also sound. Enter a valid user Access code to silence this alarm.
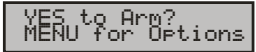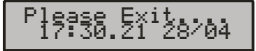
A zone will only be armed when ALL associated partitions are armed but will be disarmed when ANY associated partition is disarmed.

Away Arming

The Away arming mode is normally used when leaving the premises. When the system is armed in this mode all detection zones assigned to your partition(s) will be armed.

The **Ready** light must be on steady before the alarm system can be Away armed.

➤ To Away arm the alarm system proceed as follows:

1 Enter Access code ? ? ? ?

2 Press 🏃   Press ✓

```
Please Exit
17:30.21 28/04
```

The **Armed** light will flash and the exit tone will sound.

3 **Leave the premises**, when the system has armed the exit tone will stop. The system is now Away armed.
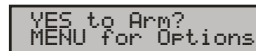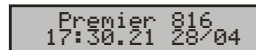
NOTE If the Quick Arm feature is enabled (see page 42) you can omit step 1 from the above procedure.

Stay Arming

The Stay arming mode is normally used when the premises will be occupied. When the system is armed in this mode all Interior detection zones assigned to your partition(s) will be bypassed. Before Stay arming check the following:

*   Secure or bypass any perimeter zones that are violated.

*   Ensure no perimeter zones are bypassed unintentionally.

*   Ensure no perimeter Force Armable zones are violated unintentionally.

➤ To Stay arm the alarm system proceed as follows:

1 Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2 Press 🏠

```
Premier 816
17:30.21 28/04
```

The alarm system will arm immediately and the **Armed** light will flash.

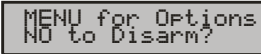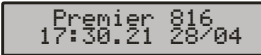**3** The system is now Stay armed.

NOTE If the Quick Arm feature is enabled (see page 42) you can omit step 1 from the above procedure.

If the system is fitted with a *Premier RKP16 Plus* then the **Stay** light will also illuminate when the system is Stay armed.

Cancelling the Arming Process
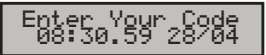
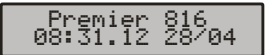➤ To cancel the arming process during the exit delay:

1   Enter Access code ❓❓❓❓

     `MENU for Options`
                          `NO to Disarm?`

2   Press 🔓   Press ❎

     `Premier 816`
                         `17:30.21 28/04`

3   Arming has been cancelled and the alarm system is
                          now disarmed.

📝 *NOTE* If the system only has one partition you will not have to
           perform step 2.

Disarming During Entry

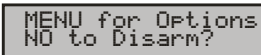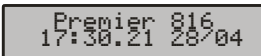➤ To disarm the alarm system during entry, proceed as
  follows:

1 **Enter the premises via the designated entry point**,
       the entry tone will sound. Proceed directly to the
                   remote keypad.

     `Enter Your Code`
                         `08:30.59 28/04`

2   Enter Access code ❓❓❓❓

     `Premier 816`
                         `08:31.12 28/04`

3 The entry tone will stop and the **Armed** light will turn off.
              The alarm system is now disarmed.

📝 *NOTE* If a valid Access code is not entered before the end of the
           entry delay, an alarm will occur.

Disarming when not in Entry

➤ To disarm the alarm system when not in entry, proceed
  as follows:

1   Enter Access code ❓❓❓❓

     `MENU for Options`
                          `NO to Disarm?`

2   Press 🔓   Press ❎

     `Premier 816`
                         `17:30.21 28/04`

3 The **Armed** light will turn off. The alarm system is now
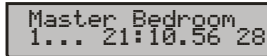   disarmed.

📝 *NOTE* If the system only has one partition you will not have to
           perform step 2.

If the Quick Disarm feature is enabled (see page 42) and the
system is Stay armed you can omit step 1 from the above
procedure.

Disarming after an Alarm

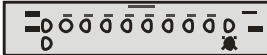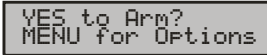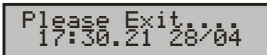➤ To disarm the alarm system after an alarm, proceed as
  follows:

1   Enter Access code ❓❓❓❓

     `Master Bedroom`
                         `1... 21:10.56 28`

                         `Zone 05 Active`
                         `Master Bedroom`

2   The system is disarmed and the keypads display the
                     source of the alarm.

The system must now be reset before you can arm again, see page
75 for details on resetting alarms.

Auto Stay Arming

If your installer has enabled the Auto Stay feature the system will
automatically Stay arm if the entry/exit zone (front door) is not
activated whilst attempting to Away arm the system.

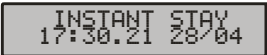➤ To auto Stay arm your alarm system proceed as follows:

1   Enter Access code ❓❓❓❓

     `YES to Arm?`
                         `MENU for Options`

2   Press 🏠   Press ✔

     `Please Exit...`
                         `17:30.21 28/04`

        The **Armed** light will flash and the exit tone will sound.

3   **Do NOT leave the premises** during the exit delay. At
           the end of the exit delay the alarm system will Stay arm.

Changing between Delayed and Instant Stay

When Stay arming the system the delayed zones (front door etc) are
normally delayed, i.e., when a delayed zone is violated it will start
the entry delay timer. However, it is possible to change the delayed
zones to instant when the system is in a Stay armed mode. If a
delayed zone is violated when the system is in the "Instant Stay"
mode the system will generate an alarm immediately.

➤ To change from Delayed Stay to Instant Stay, proceed
  as follows:

1   Ensure that the system is **Stay** armed.

2   Press and hold the 🔒 key until you hear the
                    confirmation tone.

    `INSTANT STAY`
                         `17:30.21 28/04`

3   The **Armed** light will flash quickly.
              The system is **Instant Stay** armed.

NOTE If the system is fitted with a *Premier RKP16 Plus* the **Instant** light will also illuminate.

➤ **To change from Instant Stay to Delayed Stay, proceed as follows:**

1   Ensure that the system is **Instant Stay** armed.

2   Press and hold the 🔒 key until you hear the confirmation tone.

```
DELAYED STAY
17:38.21 28/04
```

3   The **Armed** light will flash slowly.
The system is **Delayed Stay** armed.

NOTE If your system is fitted with a *Premier RKP16 Plus* the **Instant** light will go off.

Arming and Disarming Partitions

This section covers arming and disarming partitions. In order to use these procedures the following requirements must be configured:

- The alarm system must be split into one or more partitions.
- Your Access code must be assigned to more than one partition.
- The keypad that you use to operate the alarm system must be assigned to multiple partitions OR your Access code is enabled for Global Access.

Away Arming Partitions

This option allows you to Away arm one or more partitions.

➤ **To Away arm selected partitions, proceed as follows:**

1   Enter Access code ❓❓❓❓

```
YES to Arm?
MENU for Options
```

2   Press 🔒

```
YES to Arm?
Area > **.. <
```

3   The **Ready** light will flash quickly.
Press ① - ④ to select/deselect partitions,
e.g. Press ② to select Partition 2.

```
YES to Arm?
Area > *2.. <
```

Partition 2 is now selected.

4   Press 🔒   Press ✓

```
Please Exit....
17:30.21 28/04
```

The **Armed** light will flash and the exit tone will sound.

5   **Leave the area being armed**, when the partition has armed the exit tone will stop. The selected partition(s) is now Away armed.

NOTE If the Quick Arm feature is enabled (see page 42) you can omit step 1 from the above procedure.

Stay Arming Partitions

This option allows you to Stay arm one or more partitions.

➤ **To Stay Arm selected partitions, proceed as follows:**

1   Enter Access code ❓❓❓❓

```
YES to Arm?
MENU for Options
```

2   Press 🔒

```
YES to Arm?
Area > **.. <
```

3   The **Ready** light will flash quickly.
Press ① - ④ to select/deselect partitions,
e.g. Press ① to select Partition 1.

```
YES to Arm?
Area > 1*.. <
```

Partition 1 is now selected.

4   Press 🔒

```
Premier 816
17:30.21 28/04
```

The selected partition(s) will arm immediately and the **Armed** light will flash.

5   The selected partition(s) is now **Stay** armed.

Disarming Partitions

This option allows you to disarm one or more partitions.

➤ **To disarm selected partitions, proceed as follows:**

1   Enter Access code ❓❓❓❓

```
MENU for Options
NO to Disarm?
```

2   Press 🔒

```
NO to Disarm?
Area > **.. <
```

3   The **Ready** light will flash quickly.
Press ① - ④ to select/deselect partitions,
e.g. Press ② to select Partition 2.

```
NO to Disarm?
Area > *2.. <
```

Partition 2 is now selected for disarm.

4   Press 🔒   Press ✗

```
Premier 816
17:30.21 28/04
```

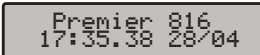**5**   The selected partitions are disarmed.

Changing to another Partition

Normally the remote keypad that you use will be assigned to a particular partition and therefore the zone and status lights will indicate information relevant to the assigned partition. However, you can temporarily switch the remote keypad to a different partition so that the zone and status lights indicate the information relevant to the partition that you have selected. Whilst in this mode you can also use your Access code to arm/disarm the partition you have selected (providing you have access to the selected partition).

In order to use the cross partitioning feature, it is recommended that the system is configured as follows:

- Cross partitioning must be enabled (see page 37).

- The user must be assigned to multiple partitions.

- The user should be set for "Local Partition Access Only", see page 67.

- The remote keypads should only be assigned to a single partition.

➤ **To change to another partition, proceed as follows:**

1   Press ⌂

```
AREA ARMED >....
    17:35.34 28/04
```

2   Enter partition ① - ④,
e.g. Press ② to select Partition 2.

```
Premier 816
17:35.38 28/04
```

*The remote keypad will now indicate information
relevant to the selected partition.*

NOTE After changing to the selected partition, the remote keypad will only remain in the selected partition for 10 seconds after the last key press. However if an Access code is entered whilst the remote is in this mode, the remote keypad will remain in the selected partition for 1 minute after the last key press.

Bypassing Zones

Manually Bypassing Zones
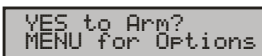
Bypassing a zone prevents it from causing an alarm.
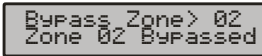
NOTE After manually bypassing a zone, the bypass will remain in place until the zone is manually unbypassed.

The bypass mode will time-out if no key is pressed for 60 seconds.

24 hour zones cannot be unbypassed if they are violated.

➤ **To manually bypass zones, proceed as follows:**

1   Enter Access code ??⃝?⃝?⃝?⃝

```
YES to Arm?
MENU for Options
```

2   Press ⌂

```
Bypass Zone> 00
*NONE BYPASSED*
```

3   The **Ready** light will flash quickly.
Enter the zone number ?⃝?⃝,
e.g. Enter ⓪② to select Zone 2.

```
Bypass Zone> 02
Zone 02 Bypassed
```

4   The selected zone is now bypassed. Repeat step 3 to bypass additional zones.

5   Once the selected zones have been bypassed press:
✓/⌂ to Away arm
⌂ to Stay arm
▤ to return to the normal disarmed state

NOTE If the Quick Bypass feature is enabled (see page 42) you can omit step 1 from the above procedure.

When one or more zones are bypassed the **Ready** light will flash and if the system is fitted with a *Premier RKP8/16 Plus* or LCD remote keypad then the **Bypass** light will also illuminate.

Unbypassing Zones

To manually unbypass zones, perform the manual bypass procedure on a zone that is already bypassed.

- 24 hour zones cannot be unbypassed if they are still violated.

- If the "Reinstate Bypassed Zones on Disarm" option is enabled (see page 37) all zones will automatically be unbypassed each time the system is disarmed.

Group Bypass

The Group Bypass feature allows you to bypass a predefined group of zones. The alarm system has up to four groups, see page 29 on programming bypass groups.

➤ **To Bypass a group of zones, proceed as follows:**

1 Enter Access code ?? ?? ?? ??


```
YES to Arm?
MENU for Options
```

2 Enter bypass group ① - ④ followed by 🏠


```
Bypass Zone> 00
Zone 03 Bypassed
```

```
Bypass Zone> 00
Zone 04 Bypassed
```

3 The keypad will display the bypassed zones. If required, zones can be added or removed from the group by entering the required zone number ?? ?? , e.g. Enter ⓪⑤ to add Zone 5.


```
Bypass Zone> 05
Zone 03 Bypassed
```

```
Bypass Zone> 05
Zone 04 Bypassed
```

```
Bypass Zone> 05
Zone 05 Bypassed
```

4 The selected zone is now bypassed. Repeat step 3 to bypass additional zones.

5 Once the selected zones have been bypassed press:
✓/🏃 to Away arm
🏠 to Stay arm
▤ to return to the normal disarmed state

📝 **NOTE** If the Quick Bypass feature is enabled (see page 42) you can omit step 1 from the above procedure.

When one or more zones are bypassed the **Ready** light will flash and if the system is fitted with a *Premier RKP8/16 Plus* or LCD remote keypad then the **Bypass** light will also illuminate.

Quick Bypass and Arm

The Quick Bypass and Arm feature allows you to Bypass a predefined group of zones and Away or Stay arm the system. The alarm system has up to four groups, see page 29 on programming bypass groups.

➤ **To Quick Bypass a group of zones and Away arm, proceed as follows:**

1 Enter bypass group ① - ④


```
Premier 816
19:30.56 28/04
```

2 Press 🏃   Press ✓


```
Please Exit.....
19:30.56 28/04
```

The **Armed** and **Ready** lights will flash and the exit tone will sound.

3 When the exit tone stops, the system is Away armed with the selected group of zones bypassed.

➤ **To Quick Bypass a group of zones and Stay arm, proceed as follows:**

1 Enter bypass group ① - ④


```
Premier 816
19:30.56 28/04
```

2 Press 🏠


```
Premier 816
19:30.56 28/04
```

The alarm system will arm immediately and the **Armed** and **Ready** lights will flash.

3 The system is Stay armed with the selected group of zones bypassed.

📝 **NOTE** The Quick Arm feature must be enabled to use this feature (see page 42).

Reset Alarms

This function is used to reset any standing alarms and service faults. It is also used to reset detectors with a latched alarm indication, e.g., Smoke Detectors.
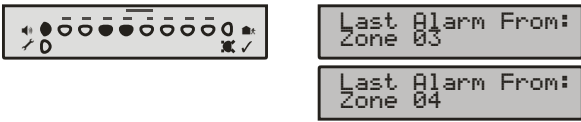
➤ To Reset Alarms, proceed as follows:

1   Enter Access code ??? ? ? ?

[keypad display]	`YES to Arm?` `MENU for Options`

2   Press 🗐 **0**   Press ↻

[keypad display]	`Premier 816` `17:30.21 28/04`

3   The keypad will bleep and the alarm system will reset all latching detectors and attempt to clear any standing **Alarms** or **Service Faults**.

Last Alarm Log

The control panel has a memory that stores the zones that caused an alarm when the system was last armed.

➤ To view the alarm memory, proceed as follows:

1   Enter Access code ? ? ? ?

[keypad display]	`YES to Arm?` `MENU for Options`

2   Press 🗐 **1**

[keypad display]	`Last Alarm From:` `Zone 03`
	`Last Alarm From:` `Zone 04`

The keypad will display the zones that caused an alarm when the system was last armed.

3   Press 🗐 to return to the normal disarmed state.

Service Faults

The response to a Service Fault condition is programmed by the installer but is normally limited to the keypad buzzer. To silence the Service Fault alarm, enter your Access code.

A flashing **Service** light indicates a new fault condition. The alarm system cannot be armed whilst a new fault exists. The **Service** light will remain flashing until the new fault is acknowledged, after which it will revert to a steady yellow and the alarm system can be armed. The **Service** light will remain steady until **all** faults have been cleared.

After a new Service Fault has been acknowledged the **Service** light will revert to steady yellow and the alarm system can be armed. The **Service** light will remain steady yellow until **all** faults have been cleared.
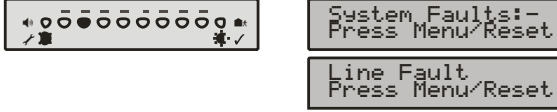
AC Fail and Telephone Line Fault can each have a delay programmed. The **Service** light will turn steady yellow immediately

on either of these faults but no Service Fault Alarm (transmission or audible alarm) will occur unless the delay expires.

If your installer has disabled AC fail acknowledgement the **Service** light will flash "rapidly" during an AC fail condition. The system can be armed without requiring acknowledgement of this fault.

Acknowledging a New Service Fault

➤ New service faults can be acknowledged as follows:

1   Enter Access code ??? ? ?

[keypad display]	`YES to Arm?` `MENU for Options`

2   Press 🗐 **2**

[keypad display]	`System Faults:-` `Press Menu/Reset`
	`Line Fault` `Press Menu/Reset`

The keypad will display all Service Faults.

3   Press 🗐 or ↻ to acknowledge the fault and return to the normal disarmed state.

View Service Faults

➤ Standing faults can be viewed as follows:

1. **Press the** 🔲 **key followed by the** ② **key**.

The keypad will display any Service Faults (see tables).

On completion **press** the 🔲 key.

Service Faults Displayed on LED Keypads	
Light	**Fault Condition**
1	**General Warnings** Press (Key 1) to view the warning, lights 1-5 will indicate the following:- 1 = AC Fail 2 = Arming Fob has Low Battery 3 = Soak Test Active
2	**Telephone Line Fault**
3	**2-Wire Smoke Alarm**
4	**Box Tamper & Auxiliary Input:** **Press** ④ to view type, lights 1 - 8 indicate: 1 = Box Tamper 4 = Auxiliary Tamper * 2 = Auxiliary Tamper 5 = Bell Tamper * 3 = Auxiliary PA 6 = Radio Plus Tamper 7 = Low Fob Battery 8 = User Code Tamper * = UK Bell Module
5	**Date or Time Lost**
6	**Zone Tamper/Trouble** **Press** ⑥ to view zone number
7	**Keypad Tamper/Removed** **Press** ⑦ to view keypad number
8	**Equipment Faults** **Press** ⑧ to view fault type, lights 1 - 8 indicate: 1 = Output 1 Fault 2 = Output 2 Fault 3 = Siren/Bell Fault 4 = 2-Wire Smoke Sensor Fault 5 = Auxiliary Fuse Failed 6 = Battery Fault 7 = Service Timer/Zone Soak Test Failed 8 = Com1 Fault or Fail To Communicate

Service Faults Displayed on LCD Keypads	
LCD	**Fault Condition**
AC Fail	AC Fail
Soak Test Active	One or more zones on soak test
1:Proceed 0:Exit	1 to continue arming 0 to exit arming
Arm Low Fob Bat?	Key fob has a low battery (Message above shown)
User Code Tamper	Shown after invalid user code attempts
Line Fault	Telephone Line Fault
Smoke Alarm (2W)	2-Wire Smoke Alarm
Box/Aux Tamper	Box Tamper
Aux Tamper	Auxiliary Tamper (Aux Input)
Auxiliry Tamper	Auxiliary Tamper (UK Bell Module)
Bell Tamper	Bell Tamper (UK Bell Module)
Aux PA Alarm	Auxiliary PA (Aux Input)
Date/Time Loss	Date or Time Lost
Tamper Zone > 01	Zone Tamper/Trouble
Tamper Keypad> 1	Keypad Tamper/Removed
Output 1 Fault	Output 1 Fault
Output 2 Fault	Output 2 Fault
Siren Fault	Siren/Bell Fault
Smoke Sen. Fault	2-Wire Smoke Sensor Fault
Aux. Fuse Fault	Auxiliary Fuse Failed
Battery Fault	Battery Fault
Service Required	Service Timer/Zone Soak Test Failed
Coms Fault	Com1 Fault or Fail To Communicate

Anti-code Reset

This feature is normally used in the UK where users are not permitted to reset the panel following a communicated alarm. However, the user can reset the panel after entering a unique remote reset number, which is supplied by their installer or ARC.

➤ **To perform an Anti-code Reset, proceed as follows:**

1　　　　Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2　　　　Press 📖 ③

```
Quote Code> 4855
Enter Reply>????
```

The keypad will display a randomly generated 4-digit Code.

3　　Contact the ARC to obtain a Anti-code Reset number.

4　　Enter the Anti-code Reset number given to you by the ARC ? ? ? ? .

If the code is accepted, the keypad will sound an acceptance tone and the system will reset and return to the normal disarmed state.

Toggle Chime On and Off

When a zone is enabled for Chime the keypad will generate a Chime tone every time the zone is violated. This function allows you to turn the Chime feature on and off.

➤ **To toggle Chime on and off, proceed as follows:**

1　　　　Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2　　Enter 📖 ④　　　　　Press 🎵

```
Premier 816
17:30.21 28/04
```

3　　If Chime was off, it will turn on and the keypad will sound the Chime tone. If Chime was on, it will turn off and the keypad will sound the acceptance tone.

Change User Code

All users of the alarm system can change their own Access code number.

➤ **To change your Access code, proceed as follows:**

1　　　　Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2　　　　Enter 📖 ⑤

```
Code : ******
```

3　　Enter new code ? ? ? ?
　If the code is 4 or 5 digits **press** the 📖 ✓ key to accept.

```
Code : ****
```

4　　Re-enter new code ? ? ? ?

5　　The keypad will sound an acceptance tone if the new Access code was accepted. If you hear an error tone (low), please repeat from step 1.

View Log (LCD Only)

The control panel has an Event Log, which stores all system activity i.e., users entering their codes to arm and disarm the system, alarm events, faults etc. Each event is time and date stamped.

➤ **To view the Event Log, proceed as follows:**

1　　　　Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2　　　　Enter 📖 ⑥

3

Event Type (showing Zone Text)

```
Bedroom 1 PA
1... 13:15.56 28
```
Partitions　Time　Day

Event Type (Alarm Type & Zone No)

```
PA Aud 02 Alm
  13:15.56 28/04
```
Time　Day/Month

Press 📖 to toggle information displayed

4　　Press ⬍ to scroll up and down through the log.
　　　　Press 📖 to when finished.

Abort Communications

This option aborts any communications to the Alarm Receiving Centre.

➤ **To Abort Communications, proceed as follows:**

1　　　　Enter Access code ? ? ? ?

```
YES to Arm?
MENU for Options
```

2　　　　Enter 📖 ⑦

```
Premier 816
17:30.21 28/04
```

3　　The keypad will bleep and the alarm system will abort all communications to the Alarm Receiving Centre.

6. Specifications

Control Panel

All Models Large & Small Polymer

Current

Current Consumption	50mA
Maximum Current Available	
0.3A charge	1.1A

Rated Output

Battery Arrangement	Battery Charge	Rated Output (Amps) 12h
1 x 7Ah	0.3A	0.533A

Standby and Recharge Times

EN50131-1	Grade 1	Grade 2
Minimum Standby Period	12h	12h
Maximum Recharge Time	72 Hrs	72 Hrs

Control Panel

Power Supply	Type A
Rated Input:	100V - 240V @ 50/60Hz; 1A
Rated Output Current @ 55°C::	1.5A MAX
Rated Output Voltage:	13.7Vdc +/- 2%
Mains Terminal Block Fuse:	250Vac; 3-3.15A Slow/Medium Blow

Maximum rating of each power output (note that these are not considered to be "independent power outputs" according to EN50131-6

Aux 12V	1.0A
Siren	1.0A
Network	1.0A
Battery	2.5A

Standby Current	50mA
Output Voltage Range:	13.0V to 13.9V
Maximum Ripple Voltage:	0.5V pk-pk
Battery type:	sealed lead acid, up to 7Ah, Maximum recharge time 72h
Battery Low Voltage Signal:	10.5V
Deep Discharge protection:	8.0V
Fuses (Electronic PTC)	F1 (2.5A) Battery Fuse
	F2 (900mA) Auxiliary 12V power fuse
	F3 (900mA) Siren/Bell output fuse
	F4 (900mA) Network fuse
Housing (Polymer)	3mm Polycarbonate
Dimensions (Small) (W x H x D)	282mm x 225mm x 80mm
Dimensions (Large) (W x H x D)	305mm x 263mm x 98mm
Battery Compartment	One 12V 7.0Ah battery
Packed Weight	1.2 - 1.5 Kg (Approx)

All Models Metal

Current

Current Consumption	50mA
Maximum Current Available	
0.3A charge	1.0A
0.75A charge	1.9A

Rated Output

Battery Arrangement	Battery Charge	Rated Output (Amps) 12h	24h	30h	60h
1 x 7Ah	0.3A	0.533A	0.241A	0.183A	X
1 x 17Ah	0.3A	1.36A	0.658A	0.516A	0.233A
	0.75A	1.0A	0.658A	0.516A	0.233A

Standby and Recharge Times

EN50131-1	Grade 1	Grade 2
Minimum Standby Period	12h	12h
Maximum Recharge Time	72 Hrs	72 Hrs

Jumper Settings

Battery Arrangement	Recharge Time	Charge Selection
1 x 7Ah	< 24Hrs	0.3A
1 x 17Ah	< 24Hrs	0.75AA
	< 72Hrs	0.3A

Control Panel

Rated Input:	220V - 240V @50/60Hz; 1A
Rated Output Current@40°C:	2.5A MAX
Rated Input:	100VV - 120V @50/60Hz; 1A
Rated Output Current@40°C:	2.3A MAX
Rated Output Voltage:	13.7Vdc +/- 2%
Mains Terminal Block Fuse:	250Vac; 3-3.15A Slow/Medium Blow
Rated Input:	220V - 240V @50/60Hz; 1A
Rated Output Current@40°C:	2.5A MAX

Maximum rating of each power output (note that these are not considered to be "independent power outputs" according to EN50131-6

Aux 12V	1.0A
Siren	1.0A
Network	1.0A
Battery	2.5A

Standby Current	50mA
Output Voltage Range:	13.0V to 13.9V
Maximum Ripple Voltage:	0.5V pk-pk
Battery type:	sealed lead acid, up to 7Ah, Maximum recharge time 72h
Battery Low Voltage Signal:	10.5V
Deep Discharge protection:	8.0V
Fuses (Electronic PTC)	F1 (2.5A) Battery Fuse
	F2 (900mA) Auxiliary 12V power fuse
	F3 (900mA) Siren/Bell output fuse
	F4 (900mA) Network fuse
Housing (Metal)	1mm Steel
Dimensions (W x H x D)	315mm x 415mm x 100mm
Battery Compartment	Up to One 12V 18Ah battery
Packed Weight	4.0Kg (Approx)

All Models

Electrical	
Current Consumption	
Quiescent Current:	<50mA
Alarm:	<150mA
Zones	
Number:	8
EOL Resistor Value:	3K3
Panel Outputs	
O/P 1 - Supervised:	1A switched to 0V
O/P 2 - Supervised:	1A switched to 0V
O/P 3 - 8:	100mA switched to 0V
Siren Output (Supervised)	
Speaker Mode:	Minimum load 4Ω
Bell Mode:	1A switched to 0V
2-Wire Smoke Detectors:	ESL429CT
	System Sensor 2100TS
Onboard Communicator	
Protocols:	Pulse Format, Express Format, Fast Format, Contact ID, SIA Level 2/3, Pager and Mobile Phone
Dialling Formats:	Pulse or DTMF
REN:	1
Approval:	CTR21, DPT-TE-001
Non Volatile Memory Component	
412, 412 Plus, 816, 816 Plus:	24LC128
832	24LC256

EN50136-1-1 & EN50136-2-3

The inbuilt communicator complies with the requirements of EN50136-2-3 , EN50136-1-1 and are suitable for use in systems designed for use with ATS levels 1 or 2 and environmental class 1 or 2 – i.e. systems using notification options up to and including 2B. With the PSTN functioning normally, the ATS will comply with the required performance levels subject to the ARC being suitably equipped.

> 📝 *These units may be used for Downloading, Remote Servicing or SMS text messaging purposes in systems at ALL security grades.*

Environmental	
Operating Temperature:	-10°C to +55°C
	+14°F to +131°F
Maximum Humidity:	95% non-condensing
EMC Environment:	Residential/Commercial/Light Industrial or Industrial

Remote Keypads

ACE Type B
Electrical
Operating Voltage:	9 - 13.7VDC
Current Consumption	
Nominal (model dependant):	10mA
When fully back lit:	200mA
Zone Indicators	
Premier RKP4/8/16:	LED (4/8/16)
Premier RKP8/16 Plus:	LED (8/16)
Premier LCD/LCDL/FMK/SMK:	32 Character (Standard/Large)

Environmental
Operating Temperature:	-10°C to +55°C +14°F to +131°F
Maximum Humidity:	95% non-condensing
EMC Environment:	Residential/Commercial/Light Industrial or Industrial

Physical
Dimensions:	
Premier RKP4/8/16	140mm x 105mm x 35mm
Premier RKP8/16 Plus/LCD/-L/P	145mm x 115mm x 30mm
Packed Weight:	380g

Remote Zone Expander

ACE Type B
Electrical
Operating Voltage:	9 - 13.7VDC
Current Consumption	
Nominal:	35mA
In Alarm with Speaker:	180mA
Zones	
Number:	8
EOL Resistor Value:	3K3
Speaker Output:	Minimum load 4Ω
Outputs	
O/P 1 & OP 2:	100mA switched to 0V

Environmental
Operating Temperature:	-10°C to +55°C +14°F to +131°F
Maximum Humidity:	95% non-condensing
EMC Environment:	Residential/Commercial/Light Industrial or Industrial

Physical
Dimensions:	145mm x 115mm x 30mm
Packed Weight:	260g approx.

Local Zone Expander

Electrical
Operating Voltage:	9 - 13.7VDC
Current Consumption:	35mA
Connection:	Plugs onto control panel
Zones	
Number:	8
EOL Resistor Value:	3K3

Environmental
Operating Temperature:	-10°C to +55°C +14°F to +131°F
Maximum Humidity:	95% non-condensing
EMC Environment:	Residential/Commercial/Light Industrial or Industrial

Physical
Dimensions:	83mm x 50mm x 12mm
Packed Weight:	50g

Safety Notes

1. Only use batteries of the specified type.

2. Dispose of used batteries safely according to the manufacturer's instructions.

3. Locate the battery inside the panel space provided.

4. This equipment is designed for dry indoor use only.

5. When replacing a fuse always observe the specified rating and type - failure to do so is dangerous and will invalidate the warranty. Fuses should comply with IEC 127.

6. The press-seal bag must not be stored inside the panel.

Standards

Texecom declares that this product complies with the requirements of the following directives:

- 2004/108/EC　EMC Directive
- 2006/95/EC　LVD Directive
- 2011/65/EU　RoHS Directive

The product therefore meets all the requirements to enable it to be CE marked.

Weee Directive: 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

This product is suitable for use in systems designed to comply with EN 50131-1 at grade 2 and environmental class II.

EN 50131-1/3/6 Compliance

In order to comply with the requirements of EN 50131-1, EN 50131-3 and EN 50131-6 the following programming and system configuration must be implemented:

- Menu Options 39 1-8 must all be turned ON, see page 40.

- EN 50131-1 Requirements must be programmed as "Enabled", see page 37.

- The "Permanent Keypad Status Display" option must be programmed to "Disabled" for all remote keypads, see page 42. In addition the "Courtesy Delay" timer must not be set above 180 seconds, see page 36.

- The "Partition Entry Delay" timers must not be programmed above 45 seconds, see page 31.

- The "Partition Bell Delay" timers must not be programmed above 10 minutes, see page 31.

- The "Partition Bell Duration" timers must be programmed between 2 and 15 minutes, see page 31.

- "Quick Arm", "Quick Disarm" and "Quick Bypass" option must be programmed to "Disabled" for all remote keypads, see page 42.

- The "Tamper Alarms Cause a Trouble While Disarmed" option must be "Enabled", see page 37.

- Do not fit more than 10 unpowered detectors per zone.

- Do not fit more than one non-latching powered detector per zone.

- Do not mix unpowered detectors and non-latching detectors on a zone.

- A Type W must not be used.

Prioritisation of signal and message processing indications.
First alarm indications followed by any other events during that set period, will be reported on the keypad and will scroll, viewing of these events can be controlled by the up and down key ⬙ on the keypad.

Compliance Label
If the system is programmed to NOT comply with the requirements of EN50131-1 or EN50131-3 , or the system is installed at Grade 1 then the compliance label must be removed.

Inhibit functions
For Alarms and Tamper the inhibit function is controlled by the Swinger shutdown counter which is programmable and is defaulted to 3.

NOTE   See page 27 & 34 for details.

Minimum Logical Keys
10,000 for 4 digit code
100,000 for 5 digit code
1,000,000 for 6 digit code

NOTE   User codes must be programmed to be a 6 digit code to comply with INCERT

The number of disallowed codes
Premier 412 = 0
Premier 816 = 0
Premier 832 = 0

NOTE   Dependant on the use of the Black Listed codes function available via Wintex, a maximum of 16 codes may be Black Listed

Warranty

All Texecom products are designed for reliable, trouble free operation. Quality is carefully monitored by extensive computerised testing. As a result the control panel is covered by a two-year warranty against defects in materials or workmanship.

As the control panel is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the control panel failed to function correctly.

Due to our policy of continuous improvements Texecom reserve the right to change specification without prior notice.

7. Quick Reference Guide

Menu	Function	Page
Programming Zones		
①⓪	**All Zone Options**	26
①①	**Zone Type**	26

⓪⓪	Null	①⓪	24-Hour Tamper
⓪①	Delay 1	①①	Trouble
⓪②	Delay 2	①②	24-Hour - Gas
⓪③	Interior Follower	①③	24-Hour - Water
⓪④	Interior Instant	①④	24-Hour - High Temp
⓪⑤	Perimeter Instant	①⑤	24-Hour - Low Temp
⓪⑥	Fire	①⑥	Momentary Key Switch
⓪⑦	PA Silent	①⑦	Maintained Key Switch
⓪⑧	PA Audible	①⑧	Push To Set
⓪⑨	Medical		

Menu	Function	Page
①②	**Zone Wiring**	27

⓪	Normally Closed	⑤	Single EOL - O/C Tamper
①	Normally Open	⑥	Single EOL - S/C Tamper
②	Single EOL - N/C & N/O	⑦	Double EOL
③	Single EOL - N/O (Fire)	⑧	Zone Doubled
④	Single EOL - N/C	⑨	Triple EOL

Menu	Function	Page
①③	**Zone Attributes 1**	27

①	Enable Instant Internals	⑤	Enable Instant Strobe
②	Enable Bell	⑥	Enable User Chime
③	Delayed Bell	⑦	Enable Transmission Delay
④	Pulsed Bell	⑧	Enable Transmission

Menu	Function	Page
①④	**Zone Attributes 2**	28

①	Enable Manual Bypass	⑤	Enable Cross Zoning
②	Enable Stay Bypass	⑥	Enable Soak Test
③	Enable Force Arming	⑦	Enable Swinger Shutdown
④	Quick Response Time	⑧	Enable Double Knock

Menu	Function	Page
①⑤	**Zone Attributes 3**	28

- ① Change to Delay 1 on Stay Arm
- ② Change to Follower on Stay Arm
- ③ Zone Warning (***** Keyswitch is Instant Arming)
- ④ Auto Reinstate if Force Armed (***** Keyswitch will Stay Arm/Disarm)
- ⑤ Disable Keyswitch if Away Armed
- ⑥ Disable Exit Faults (***** Disabled Auto Arm)
- ⑦ Truncate Exit Delay (***** Monitor Only)
- ⑧ Forced Walk Test
- ***** Attributes for Key Switch zone types

Menu	Function	Page
①⑥	**Zone Partitions & Groups**	28

①	Enabled for Partition 1	⑤	Enable for Bypass Group 1
②	Enabled for Partition 2	⑥	Enable for Bypass Group 2
③	Enabled for Partition 3	⑦	Enable for Bypass Group 3
④	Enabled for Partition 4	⑧	Enable for Bypass Group 4

Menu	Function	Page
①⑦	**Zone Text**	29

①	. , ? ! 1 @ ” - &	⑦	p q r s 7 P Q R S
②	a b c 2 A B C	⑧	t u v 8 T U V
③	d e f 3 D E F	⑨	w x y z 9 W X Y Z
④	g h I 4 G H I	⓪	Space 0 , # *
⑤	j k l 5 J K L	⊛	Move Left/Right
⑥	m n o 7 M N O	⟳	Backspace (delete)

Menu	Function	Page
①⑧	**Assign Radio Device**	29

Menu	Function	Page
Programming Partitions		
②⓪	**Partition Exit Time**	31
②①	**Partition Entry Delay 1 Time**	31
②②	**Partition Entry Delay 2 Time**	31
②③	**Partition Communicator Delay**	31
②④	**Partition Bell Delay**	31
②⑤	**Part Bell Duration**	31
②⑥	**Partition Options**	31

- ① Enable Auto Bypass Mode
- ② Stay Armed Exit is Silent
- ③ Enable Remote Arming
- ④ Enable Remote Disarming
- ⑤ Enable Local Exit Tones
- ⑥ Stay Armed Entry is Instant
- ⑦ Stay Armed Exit is Delayed
- ⑧ Only Start Exit when Partition is Ready

Menu	Function	Page
②⑦	**Partition Auto Arm/Disarm**	32

①	Arm with Control Timer 1	⑤	Disarm with Control Timer 1
②	Arm with Control Timer 2	⑥	Disarm with Control Timer 2
③	Arm with Control Timer 3	⑦	Disarm with Control Timer 3
④	Arm with Control Timer 4	⑧	Disarm with Control Timer 4

Menu	Function	Page
②⑧	**Equipment Areas**	32

⓪	Auxiliary Input Areas	②	Bell Squawk Areas
①	Panel Bell Areas	③	Masked when Armed

Menu	Function	Page
Programming Global Options		
③⓪	**System Timers**	35

⓪⓪	AC Fail Delay	⓪⑧	Test Transmission Time
⓪①	Line Fault Delay	⓪⑨	Courtesy Delay
⓪②	Cross Zone Time	①⓪	Service Timer
⓪③	Zone Soak Test Time	①①	2-Wire Verified Delay
⓪④	Restore Reporting Delay	①②	Alarm Confirmation Delay
⓪⑤	Output Short Pulse Time	①③	Activity Time Window
⓪⑥	Zone Response Time	①④	Poll IP Every
⓪⑦	Transmission Abort		

Menu	Function	Page
③①	**System Counters/Levels**	36

⓪	Swinger Shutdown Count	③	Clock Adjustment
①	Panel Speaker Volume	④	Language Selection
②	Chime Volume	⑤	Country Operation Code

Menu	Function	Page
③②	**System Control Timers**	36
③③	**System Options 1**	36

- ① Clock = Crystal
- ② Battery Connection Supervision
- ③ Battery Dynamically Load Tested
- ④ Panel NVM is Locked
- ⑤ Power Savings During AC Mains Failure
- ⑥ Line Fault Overrides Bell Delay
- ⑦ Two-Wire Smoke Detection on O/P 1
- ⑧ Convert Siren Output from Voltage to Speaker Driver

Menu	Function	Page
③④	**System Options 2**	37

- ① Tamper Alarms Cause a Trouble While Disarmed
- ② Tamper Alarms Cause a Trouble While Stay Armed
- ③ Defer Reporting of Non-Zone Restorals

Menu	Function	Page
④	Use Delay Timer to Defer Non-Zone Restorals	
⑤	Inhibit Keyswitch Operation Upon EOL Tamper	
⑥	Away Arm Overrides Alarm Transmission Delay	
⑦	Defer Reporting of Zone Restorals	
⑧	Use Delay Timer to Defer Zone Restorals	
③⑤	**System Options 3**	37
①	Away Arm Exit Error Doesn't Sound Bell	
②	Zone Test - Silence on No Violation	
③	Alarm Status Light Indicates Fire	
④	Enable Entry/Exit Tones for Panel Speaker	
⑤	Enable Cross Partitioning	
⑥	Enable EN 50131-1 Requirements	
⑦	Reinstate Bypassed Zones on Disarm	
⑧	Invert Panel Bell/Siren Output	
③⑥	**Hardware Options**	38
①	Panel Output 1 Supervised for Faults	
②	Panel Output 2 Supervised for Faults	
③	Siren/Bell Output Supervised for Faults	
④	Panel Box Tamper Switch Monitored	
⑤	Auxiliary Fuse Supervised for Faults	
⑥	Battery Supervised for Faults	
⑦	AC Mains Supply is Monitored	
⑧	Telephone Line Is Monitored	
③⑦	**Auxiliary Input Options**	38
⓪	Not Used	
①	Auxiliary Tamper	
②	Remote Reset	
③	Telephone Line Monitor	
④	Panic Alarm	
⑤	Silent PA	
⑥	Latched Key switch	
⑦	Momentary Key switch	
③⑧-①	**Miscellaneous Options 1**	38
①	Enable Bell Squawk on AWAY Arm/Disarm	
②	Enable Bell Squawk on STAY Arm/Disarm	
③	Disable AC Fail Acknowledgement	
④	Disable Open/Close Reporting on STAY Arm	
⑤	Cross/Double Knock Timer is in Minutes	
⑥	Disable Zone Bypass when Armed	
⑦	Activated Zones Cause Alarm during Exit	
⑧	Control Timer 4 Performs Battery Test	
③⑧-②	**Miscellaneous Options 2**	39
①	Disable Service Fault Acknowledgement	
②	Enable User Reset for Alarms	
③	Disable Online Printing	
④	Enable Bell Module and UK Options	
⑤	Enable DD 243:2002 Options	
⑥	Enable Confirmation after Entry Time-Out	
⑦	Invert Auxiliary Input Operation	
⑧	Auto BST/GMT Time Change	
③⑧-③	**Miscellaneous Options 3**	39
①	Enable User Tamper Reset	
②	Allow Engineer Access when Armed	
③⑨	**EN50131**	40
①	Fob Low Battery Arming	
②	Indicate Zone Soak Test	
③	Soak Test Acknowledgement	
④	Entry Stray Notification	
⑤	Entry Timeout Notification	

Menu	Function	Page
⑥	Expander Lost	
⑦	User Code Entry	
⑧	AC & Battery Fail Latch	
Programming Remote Keypads		
④⓪	**Keypad Options 1**	42
①	Partition 1 Operation	
②	Partition 2 Operation	
③	Partition 3 Operation	
④	Partition 4 Operation	
⑤	Permanent Keypad Status Display	
⑥	Press Any Key for Display	
⑦	Display Zones vs. Partitions	
⑧	Wrong Code Attempts = Code Tamper	
④①	**Keypad Options 2**	42
①	Code Tamper Causes a Tamper Alarm	
②	Keypad Activation of Fire Alarm	
③	Keypad Activation of Medical Alarm	
④	Keypad Activation of PA Alarm	
⑤	Keypad PA Alarm is Silent	
⑥	Quick Arm with Keypad ARM Key	
⑦	Quick Disarm with Keypad DISARM Key	
⑧	Quick Bypass with Keypad BYPASS Key	
④②	**Keypad Options 3**	42
①	Fire Alarm Tones from Keypad	
②	Burglary Alarm Tones from Keypad	
③	Trouble Tones from Keypad	
④	Acceptance Tones from Keypad	
⑤	Error Tones from Keypad	
⑥	Chime Tones from Keypad	
⑦	Entry Tones from Keypad	
⑧	Exit Tones from Keypad	
④③	**Keypad Options 4**	43
①	Enable Keypad Zones *(RKP8/16 Plus & Premier LCD/LCD-P/LCDL/LCDL-P)*	
②	Disable Keypad Lid Tamper	
③	Zone Shift by 4	
④	Zone Shift by 8	
⑤	Zone Shift by 16	
Programming Remote Expanders		
⑤⓪	**Expander Partitions**	44
①	Partition 1 Operation	
②	Partition 2 Operation	
③	Partition 3 Operation	
④	Partition 4 Operation	
⑤①	**Expander Tones**	44
①	Fire Alarm Tones from Expander	
②	Burglary Alarm Tones from Expander	
③	Trouble Tones from Expander	
④	Acceptance Tones from Expander	
⑤	Error Tones from Expander	
⑥	Chime Tones from Expander	
⑦	Entry Tones from Expander	
⑧	Exit Tones from Expander	
⑤②	**Expander Volume Level**	44

Menu	Function	Page
Programming System Outputs		
⑥⓪	**Panel Outputs**	47
⑥①	**Fast Format Channels**	47
⑥②	**Expander 1 Outputs**	47
⑥③	**Expander 2 Outputs**	47
⑥④	**Expander 3 Outputs**	47
⑥⑤	**Keypad Outputs**	47

① **System Output Types**

00 Courtesy	18 Siren/Bell Fault
01 Successful Transmission	19 Smoke Sensor Fault
02 Log 80% Full	20 Auxiliary Fuse Fault
03 Program Mode Selected	21 Latched Battery Fault
04 Download In Progress	22 Service Required/Test Fail
05 Timed Arming Countdown	23 Fail To Communicate
06 Zone Soak Test Active	24 Control Timer 1 Active
07 Zone Soak Test Failed	25 Control Timer 2 Active
08 Latched AC Fail	26 Control Timer 3 Active
09 Telephone Line Fault	27 Control Timer 4 Active
10 Smoke Alarm	28 PC Output 1
11 Box/Auxiliary Tamper	29 PC Output 2
12 Date Time Loss	30 Walk Test
13 Zone Trouble/Tamper	31 Confirmed Alarm
14 Keypad Tamper/Removed	32 ARC 2 Active
15 Service Fault	33 Zones Locked Out
16 Output 1 Fault	34 AC Fail
17 Output 2 Fault	35 Battery Fault
	36 Poll Timer

② **Partition Output Types**

00 PA Alarm	
01 Duress Alarm	19 Bypass
02 Burglar Alarm	20 Sensor Reset on Exit
03 Medical Alarm	21 Sensor Reset on Reset
04 24Hr - Water Alarm	22 Single Pulse on Arming
05 24Hr - Gas Alarm	23 Double Pulse on Arming
06 24Hr - Low Temp Alarm	24 Chime
07 24Hr - High Temp Alarm	25 Door Strike
08 Tamper	26 Cross Zone Time Active
09 Trouble	27 Single Pulse on Disarming
10 Fire	28 Reset Required
11 Fire Fault	29 Acknowledgement Required
12 Bell	30 Confirmed Alarm
13 Strobe	31 Alarm Abort
14 Entry	32 Away Armed
15 Exit	33 Away Armed/Exit
16 Armed	34 Detector Latch
17 Stay Armed	35 Armed/Alarm
18 Ready	36 Arm Failed
	37 All Armed

③ **Zone Output Types**

01 - 32 Zone Mimic 01 - 32	
	33 - 64 Zone Alarm 01 - 32

Output Attributes

1 Partition 1	
2 Partition 2	5 User Test
3 Partition 3	6 Inverted
4 Partition 4	7 Latching
	8 Pulsed

Menu	Function	Page
Programming The Communicator		
⑦⓪	**Communicator Options**	52

① Enable On-Board Communicator
② Enable DTMF Dialling
③ Switch to Pulse Dialling after 3ʳᵈ Attempt
④ Enable European Pulse Dialling
⑤ Enable Auto Test Transmission
⑥ Enable Cancel Call Waiting
⑦ Enable Backup to Alarm Receiving Centre
⑧ Enable Blind Dialling

Menu	Function	Page
⑦①	**ARC 1 Communicator Menu**	52

⓪ **Primary and secondary telephone numbers**
① **Account Numbers (partitions 1-4)**
② **Protocol Type**:
    ⓪ Disabled
    ① Pulse Format
    ② Express Format
    ③ Fast Format/Speech Module
    ④ Contact ID
    ⑤ SIA Level 2/3
    ⑥ Pager
    ⑦ Mobile Phone
③ **Dial Attempts**
④ **Partition Options**:
    ① Report for Partition 1
    ② Report for Partition 2
    ③ Report for Partition 3
    ④ Report for Partition 4
⑤ **Reporting Options:**
    ① Priority Alarm and Cancel Events
    ② Alarm and Cancel Events
    ③ Open and Close Events
    ④ Bypass and Unbypass Events
    ⑤ Maintenance Alarm Events
    ⑥ Tamper Alarm Events
    ⑦ Test Transmission Events
    ⑧ Restore Events
⑥ **Pulse Format Options:**
    ① Use 1900Hz Carrier
    ② Use 40 PPS Baud Rate
    ③ Enable Parity
    ④ Use 2 Digit Events
    ⑤ Use 2300Hz Handshake
    ⑥ Use 2300Hz Kiss-Off
    ⑦ Use Fast/Slow Format
⑦ **Fast Format/Speech Reporting Channels**
    ① Report Channel 1
    ② Report Channel 2
    ③ Report Channel 3
    ④ Report Channel 4
    ⑤ Report Channel 5
    ⑥ Report Channel 6
    ⑦ Report Channel 7
    ⑧ Report Channel 8
⑧ **Protocol Options:**
    ① Disable SIA Modifier Blocks/Enable Speech Module
    ② Disable Events for Each Partition
    ③ Pager Terminator = * (Star)
    ④ Send Pager Terminator Twice/Send SIA Text
    ⑤ Pager DTMF Tones = 500mS
    ⑥ Disable Zone Restorals
    ⑦ Communication Acknowledgement Tone
    ⑧ Connect via IP

Menu	Function	Page
⑦②	**ARC 2 Communicator Menu**	55
⑦③	**Fast Format/Speech Restore Channels**	55
① Report Restore on Channel 1		
② Report Restore on Channel 2		
③ Report Restore on Channel 3		
④ Report Restore on Channel 4		
⑤ Report Restore on Channel 5		
⑥ Report Restore on Channel 6		
⑦ Report Restore on Channel 7		
⑧ Report Restore on Channel 8		
⑦④	**Fast Format Open/Close Channels**	56
① Report Open/Close on Channel 1		
② Report Open/Close on Channel 2		
③ Report Open/Close on Channel 3		
④ Report Open/Close on Channel 4		
⑤ Report Open/Close on Channel 5		
⑥ Report Open/Close on Channel 6		
⑦ Report Open/Close on Channel 7		
⑧ Report Open/Close on Channel 8		
⑦⑤	**Cancel Call Waiting**	56
	Programming Download Options	
⑦⑥	**Download Menu**	57
⓪ Download Options:		
① Enable Attended Download		
② Enable Unattended Call Back		
③ Enable 2-Call Answer Phone Defeat		
④ Restrict Download when Armed		
⑤ Download when Part Armed		
⑥ Disconnect Telephone Line		
① **Download Telephone No**		
② **UDL Password**		
③ **Call Back Attempts**		
④ **Ring Count**		
⑤ **Com1 Device Type**		
⑥ ***ComIP/SMG* Address and Port**		
⑦ ***ComIP* Gateway**		
⑧ ***ComIP* Subnet Mask**		
⑨ **Com2 Device Type**		
ⓦ **Chiron Iris Data Setup**		
① Access Point Name		
② User Name		
③ Password		
	Programming Reporting Codes	
⑦⑦	**Zone Alarm/Restore Codes**	63
⑦⑧	**Zone Bypass/Unbypass Codes**	63
⑦⑨	**Non Zone Alarm/Restore Codes**	63
	Programming Users	
⑧⓪	**Program User**	66
⑧①	**User Options 1**	66
① Enable for Partition 1	⑤ Allow Arming	
② Enable for Partition 2	⑥ Allow Bypassing	
③ Enable for Partition 3	⑦ Allow Disarming	
④ Enable for Partition 4	⑧ Allow User Functions	
⑧②	**User Options 2**	66
① Enable One Time Use Access Code		

Menu	Function	Page
② Time Lock Code with Control Timer 1		
③ Enable Open Reporting		
④ Enable Close Reporting		
⑤ Enable User as Duress Code		
⑥ Activate Door Strike Output		
⑦ Allow Global Bell/Sounder Silence		
⑧ Disable Remote Access		
⑧③	**User Options 3**	67
① Allow Engineer Code Programming		
② Allow NVM Locking		
③ Allow Engineer Programming		
④ Allow Test Call Transmission		
⑤ Allow Alarm/Fault Acknowledgement		
⑥ Allow User Programming		
⑦ Allow User Code Programming		
⑧ Local Partition Access Only		
⑧④	**User Text**	67
① . , ? ! 1 @ " - &	⑦ p q r s 7 P Q R S	
② a b c 2 A B C	⑧ t u v 8 T U V	
③ d e f 3 D E F	⑨ w x y z 9 W X Y Z	
④ g h I 4 G H I	⓪ Space 0 , # *	
⑤ j k l 5 J K L	ⓦ Move Left/Right	
⑥ m n o 7 M N O	↺ Backspace (delete)	
⑧⑤	**Program Standard Users**	67
⑧⑥	**Default ALL Users**	67
	System Tests and Utilities	
⑨⓪	**Walk Test**	69
↺	Clears previously tested zones	
⑨①	**Test Speakers and Outputs**	69
① Test Speakers	④ Test Outputs	
② Test Bells	⑤ Test LCD Display	
③ Test Strobes		
⑨②	**Send Test Call**	69
⑨③	**Enable Remote/Engineer Access**	69
⑨④	**Start Call Back**	69
⑨⑤	**Program Time**	69
⑨⑥	**Program Date**	69
⑨⑦	**Program Banner Text**	69
① . , ? ! 1 @ " - &	⑦ p q r s 7 P Q R S	
② a b c 2 A B C	⑧ t u v 8 T U V	
③ d e f 3 D E F	⑨ w x y z 9 W X Y Z	
④ g h I 4 G H I	⓪ Space 0 , # *	
⑤ j k l 5 J K L	ⓦ Move Left/Right	
⑥ m n o 7 M N O	↺ Backspace (delete)	
⑨⑧	**Print 100 Events**	69
⑨⑨	**Log Off Engineer**	69

Service Faults Displayed on LED Keypads	
Light	**Fault Condition**
1	**General Warnings** **Press** ① to view type, lights 1 - 5 indicate: 1 = AC Fail 2 = Arming Fob has Low Battery 3 = Soak Test Active
2	**Telephone Line Fault**
3	**2-Wire Smoke Alarm**
4	**Box Tamper & Auxiliary Input:** **Press** ④ to view type, lights 1 - 5 indicate: 1 = Box Tamper 4 = Auxiliary Tamper 2 = Auxiliary Tamper 5 = Bell Tamper 3 = Auxiliary PA 6 = RadioPlus Tamper 7 = Low Fob Battery detected
5	**Date or Time Lost**
6	**Zone Tamper/Trouble** **Press** ⑥ to view zone number
7	**Keypad Tamper/Removed** **Press** ⑦ to view keypad number
8	**Equipment Faults** **Press** ⑧ to view fault type, lights 1 - 8 indicate: 1 = Output 1 Fault 2 = Output 2 Fault 3 = Siren/Bell Fault 4 = 2-Wire Smoke Sensor Fault 5 = Auxiliary Fuse Failed 6 = Battery Fault 7 = Service Timer/Zone Soak Test Failed 8 = Com1 Fault or Fail To Communicate

Service Faults Displayed on LCD Keypads	
LCD	**Fault Condition**
`AC Fail`	AC Fail
`Line Fault`	Telephone Line Fault
`Smoke Alarm (2W)`	2-Wire Smoke Alarm
`Box/Aux Tamper`	Box Tamper
`Aux Tamper`	Auxiliary Tamper (Aux Input)
`Auxiliry Tamper`	Auxiliary Tamper (UK Bell Module)
`Bell Tamper`	Bell Tamper (UK Bell Module)
`Aux PA Alarm`	Auxiliary PA (Aux Input)
`Date/Time Loss`	Date or Time Lost
`Tamper Zone > 01`	Zone Tamper/Trouble
`Tamper Keypad> 1`	Keypad Tamper/Removed
`Output 1 Fault`	Output 1 Fault
`Output 2 Fault`	Output 2 Fault
`Siren Fault`	Siren/Bell Fault
`Smoke Sen. Fault`	2-Wire Smoke Sensor Fault
`Aux. Fuse Fault`	Auxiliary Fuse Failed
`Battery Fault`	Battery Fault
`Service Required`	Service Timer/Zone Soak Test Failed
`Coms Fault`	Com1 Fault or Fail To Communicate

User Functions	
Enter User Code ⑦⑦⑦⑦ **followed by**	
🖹⓪	Reset Alarm/Troubles
🖹①	View Last Alarm
🖹②	View/Acknowledge Service Faults
🖹③	Anti-code Remote Reset
🖹④	Toggle Chime On and Off
🖹⑤	Change Own Passcode
🖹⑥	View Event Log (LCD Only)
🖹⑦	Abort Communications
🖹⑨	Select User Programming Mode

8. Standard Defaults & Programming Records

Installation Details

Customer: _____

Address: _____

                       _____

                       _____

Telephone: _____ Fax: _____

Email: _____

Alarm Receiving Centre 1:

Alarm Receiving Centre 2:

Installation Date:

Zone Details

Zone	Location	Zone	Location
01		17	
02		18	
03		19	
04		20	
05		21	
06		22	
07		23	
08		24	
09		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16		32	

Programming Worksheets & Defaults

These worksheets and defaults apply to the following control panels where standard factory defaults are loaded, if you load country defaults as per page 36 the defaults shown may differ.

- *Premier 412/816* - Software Version 12.x >
- *Premier 832* - Software Version 12.x >

Zone Programming						
Menu: ①①		Zone Types				**Page 25**
Zone	**Type**	**Default**	**Zone**	**Type**	**Default**	**Zone Types**
01	[ ] [ ]	01 (Delay 1)	17	[ ] [ ]	00 (Null)	00: Null
02	[ ] [ ]	03 (Interior Follower)	18	[ ] [ ]	00 (Null)	01: Delay 1
03	[ ] [ ]	05 (Perimeter Instant)	19	[ ] [ ]	00 (Null)	02: Delay 2
04	[ ] [ ]	05 (Perimeter Instant)	20	[ ] [ ]	00 (Null)	03: Interior Follower
05	[ ] [ ]	05 (Perimeter Instant)	21	[ ] [ ]	00 (Null)	04: Interior Instant
06	[ ] [ ]	05 (Perimeter Instant)	22	[ ] [ ]	00 (Null)	05: Perimeter Instant
07	[ ] [ ]	05 (Perimeter Instant)	23	[ ] [ ]	00 (Null)	06: Fire
08	[ ] [ ]	05 (Perimeter Instant)	24	[ ] [ ]	00 (Null)	07: PA Silent
09	[ ] [ ]	00 (Null)	25	[ ] [ ]	00 (Null)	08: PA Audible
10	[ ] [ ]	00 (Null)	26	[ ] [ ]	00 (Null)	09: Medical
11	[ ] [ ]	00 (Null)	27	[ ] [ ]	00 (Null)	10: 24-Hour Tamper
12	[ ] [ ]	00 (Null)	28	[ ] [ ]	00 (Null)	11: Trouble
13	[ ] [ ]	00 (Null)	29	[ ] [ ]	00 (Null)	12: 24-Hour - Gas
14	[ ] [ ]	00 (Null)	30	[ ] [ ]	00 (Null)	13: 24-Hour - Water
15	[ ] [ ]	00 (Null)	31	[ ] [ ]	00 (Null)	14: 24-Hour - High Temp
16	[ ] [ ]	00 (Null)	32	[ ] [ ]	00 (Null)	15: 24-Hour - Low Temp
						16: Momentary Keyswitch
						17: Maintained Keyswitch
						18: Push To Set
Menu: ①②		Zone Wiring				**Page 27**
Zone	**Type**	**Default**	**Zone**	**Type**	**Default**	**Wiring Types**
01	[ ]	0 (Normally Closed)	17	[ ]	0 (Normally Closed)	0: Normally Closed
02	[ ]	0 (Normally Closed)	18	[ ]	0 (Normally Closed)	1: Normally Open
03	[ ]	0 (Normally Closed)	19	[ ]	0 (Normally Closed)	2: Single EOL - N/C & N/O (Burglary)
04	[ ]	0 (Normally Closed)	20	[ ]	0 (Normally Closed)	3: Single EOL - N/O (Fire)
05	[ ]	0 (Normally Closed)	21	[ ]	0 (Normally Closed)	4: Single EOL - N/C
06	[ ]	0 (Normally Closed)	22	[ ]	0 (Normally Closed)	5: Single EOL - O/C Tamper
07	[ ]	0 (Normally Closed)	23	[ ]	0 (Normally Closed)	6: Single EOL - S/C Tamper
08	[ ]	0 (Normally Closed)	24	[ ]	0 (Normally Closed)	7: Double EOL
09	[ ]	0 (Normally Closed)	25	[ ]	0 (Normally Closed)	8: Zone Doubled
10	[ ]	0 (Normally Closed)	26	[ ]	0 (Normally Closed)	
11	[ ]	0 (Normally Closed)	27	[ ]	0 (Normally Closed)	
12	[ ]	0 (Normally Closed)	28	[ ]	0 (Normally Closed)	
13	[ ]	0 (Normally Closed)	29	[ ]	0 (Normally Closed)	
14	[ ]	0 (Normally Closed)	30	[ ]	0 (Normally Closed)	
15	[ ]	0 (Normally Closed)	31	[ ]	0 (Normally Closed)	
16	[ ]	0 (Normally Closed)	32	[ ]	0 (Normally Closed)	

Menu: ①③	Zone Attributes 1							**Page 27**
Zone	Enable Instant Internals 1	Enable Bell 2	Delayed Bell 3	Pulsed Bell 4	Enable Instant Strobe 5	Enable User Chime 6	Enable Transmission Delay 7	Enable Transmission 8
01	[ ] ✗✗	[ ] ✓✓	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
02	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
03	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
04	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
05	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
06	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
07	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
08	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
09	[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
10	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
11	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
12	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
13	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Menu: ①③	Zone Attributes 1							Page 27
14	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
15	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
16	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
17	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
18	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
19	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
20	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
21	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
22	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
23	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
24	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
25	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
26	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
27	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
28	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
29	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
30	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
31	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
32	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*

✓✓ = Default setting is ON
XX = Default setting is OFF

Menu: ①④	Zone Attributes 2							Page 26
Zone	Enable Manual Bypass **1**	Enable Stay Bypass **2**	Enable Force Arming **3**	Quick Response Time **4**	Enable Cross Zoning **5**	Enable Soak Test **6**	Enable Swinger Shutdown **7**	Enable Double Knock **8**
01	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
02	[　] ✓✓	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
03	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
04	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
05	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
06	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
07	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
08	[　] ✓✓	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] ✓✓	[　] *XX*
09	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
10	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
11	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
12	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
13	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
14	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
15	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
16	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
17	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
18	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
19	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
20	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
21	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
22	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
23	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
24	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
25	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
26	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
27	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
28	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
29	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
30	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
31	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*
32	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*	[　] *XX*

✓✓ = Default setting is ON
XX = Default setting is OFF

Menu: ①⑤ Zone	Zone Attributes 3							Page 28
	Change to Delay 1 on Stay Arm 1	Change to Follower on Stay Arm 2	* Zone Warning 3	* Auto Reinstate if Force Armed 4	Disable Keyswitch if Away Armed 5	* Disable Exit Faults 6	Truncate Exit Delay 7	Forced Walk Test 8
01	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
02	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
03	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
04	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
05	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
06	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
07	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
08	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
09	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
10	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
11	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
12	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
13	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
14	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
15	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
16	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
17	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
18	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
19	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
20	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
21	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
22	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
23	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
24	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
25	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
26	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
27	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
28	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
29	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
30	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
31	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
32	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX

✓✓ = Default setting is ON

XX = Default setting is OFF

* = Attributes 3, 4, 6 & 7 change when zone is programmed as a key switch type:

    3 = Key Switch is Instant Arming

    4 = Key Switch will Stay Arm/Disarm

    6 = Disable Auto Arm

    7 = Monitor Only

Menu: ①⑥ Zone	Zone Partitions & Bypass Groups							Page 29
	Enabled for Partition 1 1	Enabled for Partition 2 2	Enabled for Partition 3 3	Enabled for Partition 4 4	Enabled for Bypass Group 1 5	Enabled for Bypass Group 2 6	Enabled for Bypass Group 3 7	Enabled for Bypass Group 4 8
01	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
02	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
03	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
04	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
05	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
06	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
07	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
08	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
09	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
10	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
11	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
12	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
13	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
14	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
15	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
16	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX
17	[　]✓✓	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX	[　]XX

Menu: ①⑥	Zone Partitions & Bypass Groups							Page 29
18	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
19	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
20	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
21	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
22	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
23	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
24	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
25	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
26	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
27	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
28	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
29	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
30	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
31	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
32	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

✓✓ = Default setting is ON
✗✗ = Default setting is OFF

Menu: ①⑦	Zone Text (LCD Only)			Page 27
Zone	Text	Zone	Text	Editing Keys
01		17		① . , ? ! 1 @ " - &
02		18		② a b c 2 A B C
03		19		③ d e f 3 D E F
04		20		④ g h I 4 G H I
05		21		⑤ j k l 5 J K L
06		22		⑥ m n o 7 M N O
07		23		⑦ p q r s 7 P Q R S
08		24		⑧ t u v 8 T U V
09		25		⑨ w x y z 9 W X Y Z
10		26		⓪ Space 0 , # *
11		27		⬆ Move Left/Right
12		28		⟳ Backspace (delete)
13		29		
14		30		
15		31		
16		32		

Partition Programming

Menus: ②⓪ - ②⑤	Partition Timers				Page 29
Partition Timer	1	2	3	4	Default
②⓪ Exit Time	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	020 Seconds
②① Entry Delay 1	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	015 Seconds
②② Entry Delay 2	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	030 Seconds
②③ Comms Delay	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	000 Minutes
②④ Bell Delay	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	000 Minutes
②⑤ Bell Duration	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	015 Minutes

Menu: ②⑥	Partition Options							Page 31
Partition	Enable Auto Bypass Mode	Stay Armed Exit is Silent	Enable Remote Arming	Enable Remote Disarming	Enable Local Exit Tones	Stay Armed Entry is Instant	Stay Armed Exit is Delayed	Only Start Exit when Partition is Ready
	1	2	3	4	5	6	7	8
1	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗
2	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗
3	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗
4	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗

Menu: ②⑦	Partition Auto Arm/Disarm							Page 30
Partition	Auto Arm with Control Timer 1	Auto Arm with Control Timer 2	Auto Arm with Control Timer 3	Auto Arm with Control Timer 4	Auto Disarm with Control Timer 1	Auto Disarm with Control Timer 2	Auto Disarm with Control Timer 3	Auto Disarm with Control Timer 4
	1	2	3	4	5	6	7	8
1	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗
2	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗
3	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗	[ ] ✗

Partition Programming

| 4 | [　]✗ | [　]✗ | [　]✗ | [　]✗ | [　]✗ | [　]✗ | [　]✗ | [　]✗ |

Menu: ②⑧   Equipment Areas   **Page 30**

Options	Partitions			
	1	2	3	4
0: Auxiliary Input Areas	[　]✓✓	[　]✗	[　]✗	[　]✗
1: Panel Bell Areas	[　]✓✓	[　]✗	[　]✗	[　]✗
2: Bell Squawk Areas	[　]✓✓	[　]✗	[　]✗	[　]✗

Global Programming

Menu: ③⓪   Global System Timers   **Page 33**

Timer	Value	Default	Timer	Value	Default
00: AC Fail Delay	[　][　][　]	001 Minutes	**08:** Test Transmission Time	[　][　][　]	024 Hours
01: Line Fault Delay	[　][　][　]	001 Seconds	**09:** Courtesy Delay	[　][　][　]	060 Seconds
02: Cross Zone Time	[　][　][　]	030 Seconds	**10:** Service Timer	[　][　][　]	000 Weeks
03: Zone Soak Test Time	[　][　][　]	014 Days	**11:** 2-Wire Verified Delay	[　][　][　]	000 Seconds
04: Restore Reporting Delay	[　][　][　]	030 Minutes	**12:** Alarm Confirmation Delay	[　][　][　]	045 Minutes
05: Output Short Pulse Time	[　][　][　]	050 x 100mS	**13:** Activity Time Window	[　][　][　]	048 Hours
06: Zone Response Time	[　][　][　]	010 x 80mS	**14:** Poll IP Every	[　][　][　]	000 Minutes
07: Transmission Abort	[　][　][　]	180 Seconds			

Menu: ③①   Global Counter/Levels   **Page 36**

Counter/Level	Value	Default	Counter/Level	Value	Default
0: Swinger Shutdown Count	[　][　][　]	003	**2:** Chime Volume	[　]	7
1: Panel Speaker Volume	[　]	4	**3:** Clock Adjustment	[　][　]	50

Menu: ③②   Control Timers   **Page 34**

Timer	ON/OFF Time		Days of Operation	
1	ON:	[　][　][　][　] 00:00	ON Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
	OFF:	[　][　][　][　] 00:00	OFF Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
2	ON:	[　][　][　][　] 00:00	ON Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
	OFF:	[　][　][　][　] 00:00	OFF Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
3	ON:	[　][　][　][　] 00:00	ON Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
	OFF:	[　][　][　][　] 00:00	OFF Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
4	ON:	[　][　][　][　] 00:00	ON Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None
	OFF:	[　][　][　][　] 00:00	OFF Time: Su[　] Mo[　] Tu[　] We[　] Th[　] Fr[　] Sa[　]	None

Menu: ③③   System Options 1   **Page 36**

Clock = Crystal	Battery Connection Supervision	Battery Dynamically Load Tested	Panel NVM is Locked	Power Savings During AC Mains Failure	Line Fault Overrides Bell Delay	2-Wire Smoke Detection on O/P 1	Convert Siren Output from Voltage to Speaker Driver
1	2	3	4	5	6	7	8
[　]✗✗	[　]✓✓	[　]✗✗	[　]✗✗	[　]✓✓	[　]✓✓	[　]✗✗	[　]✓✓

Menu: ③④   System Options 2   **Page 37**

Tamper Alarms Cause a Trouble While Disarmed	Tamper Alarms Cause a Trouble While Stay Armed	Defer Reporting of Non-Zone Restorals	Use Delay Timer to Defer Non-Zone Restorals	Inhibit Keyswitch Operation on EOL Tamper	Away Arm Overrides Alarm Tx Delay	Defer Reporting of Zone Restorals	Use Delay Timer to Defer Zone Restorals
1	2	3	4	5	6	7	8
[　]✓✓	[　]✓✓	[　]✓✓	[　]✗✗	[　]✗✗	[　]✓✓	[　]✗✗	[　]✗✗

Menu: ③⑤   System Options 3   **Page 37**

Away Arm Exit Error Doesn't Sound Bell	Zone Test - Silence on No Violation	Alarm Status Light Indicates Fire	Enable Entry/Exit Tones for Panel Speaker	Enable Cross Partitioning	Enable EN 50131-1 Requirements	Reinstate Bypassed Zones on Disarm	Invert Panel Siren Output
1	2	3	4	5	6	7	8
[　]✗✗	[　]✓✓	[　]✗✗	[　]✗✗	[　]✗✗	[　]✗✗	[　]✓✓	[　]✗✗

Menu: ③⑥   Hardware Options   **Page 38**

Panel Output 1 Supervised for Faults	Panel Output 2 Supervised for Faults	Siren/Bell O/P Supervised for Faults	Panel Box Tamper Switch Monitored	Auxiliary Fuse Supervised for Faults	Battery Supervised for Faults	AC Mains Supply is Monitored	Telephone Line Is Monitored
1	2	3	4	5	6	7	8
[　]✗✗	[　]✗✗	[　]✗✗	[　]✓✓	[　]✓✓	[　]✓✓	[　]✓✓	[　]✓✓

Menu: ③⑦   Auxiliary Input   **Page 38**

Value	Default	Types

Global Programming

[ ]	0	0: Not Used; 1: Auxiliary Tamper; 2: Remote Reset; 3: Line Fault; 4: Panic Alarm; 5: Silent PA; 6: Latched Key Switch; 7: Momentary Key Switch

Menu: ③⑧ ①			Miscellaneous Options 1				Page 38
Enable Bell Squawk on AWAY Arm/Disarm	Enable Bell Squawk on STAY Arm/Disarm	Disable AC Fail Ack.	Disable Open/Close Reporting on STAY Arm	Cross/Double Knock Timer is in Minutes	Disable Zone Bypass when Armed	Activated Zones Cause Alarm during Exit	Control Timer 4 Performs Battery Test
1	2	3	4	5	6	7	8
[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX

Menu: ③⑧ ②			Miscellaneous Options 2				Page 39
Disable Service Fault Ack.	Enable User Reset for Alarms	Disable On-line Printing	Enable UK Bell Module	Enable DD243: 2002 Options	Enable Confirmation after Entry Time-Out	Invert Auxiliary Input Operation	Auto BST/GMT Time Change
1	2	3	4	5	6	7	8
[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX

Menu: ③⑧ ③		Miscellaneous Options 3					Page 39
Allow User Tamper Reset	Allow Engineer Access when Armed						
1	2						
[ ] XX	[ ] XX						

Menu: ③⑨			EN50131				Page 39
Confirm Low fob Battery on Arm	Soak Test Active Indication	Soak Test Acknowledge Required	Entry Stray Notification Delay	Entry Timeout Notify Delay	Cable Cut Expander Tamper	User Code Entry Timed	Power Failure Latch
1	2	3	4	5	6	7	8
[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX

Remote Keypad Programming

Menu: ④⓪				Remote Keypad Options 1			Page 42
Keypad	Partition 1 Operation	Partition 2 Operation	Partition 3 Operation	Partition 4 Operation	Permanent Keypad Status Display	Press any Key for Display	Display Zones vs. Partitions	Wrong Code Attempts = Code Tamper
	1	2	3	4	5	6	7	8
1	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX
2	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX
3	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX
4	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX
5	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX
6	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] ✓✓	[ ] XX	[ ] ✓✓	[ ] XX

Menu: ④①				Remote Keypad Options 2			Page 39
Keypad	Code Tamper Causes a Tamper Alarm	Keypad Activation of Fire Alarm	Keypad Activation of Medical Alarm	Keypad Activation of PA Alarm	Keypad PA Alarm is Silent	Quick Arm with Keypad ARM Key	Quick Disarm with Keypad DISARM Key	Quick Bypass with Keypad BYPASS Key
	1	2	3	4	5	6	7	8
1	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX
2	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX
3	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX
4	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX
5	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX
6	[ ] ✓✓	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX	[ ] XX

Menu: ④②				Remote Keypad Options 3			Page 42
Keypad	Fire Alarm Tones from Keypad	Burglary Alarm Tones from Keypad	Trouble Tones from Keypad	Acceptance Tones from Keypad	Error Tones from Keypad	Chime Tones from Keypad	Entry Tones from Keypad	Exit Tones from Keypad
	1	2	3	4	5	6	7	8
1	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
2	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
3	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
4	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
5	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
6	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

Remote Keypad Programming

Menu: ④③			Remote Keypad Options 4					Page 43
Keypad	Enable Keypad Zones 1	Disable Keypad Lid Tamper 2	Zone Shift by 4 3	Zone Shift by 8 4	Zone Shift by 16 5	Reserved 6	Reserved 7	Reserved 8
1	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
2	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
3	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
4	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
5	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
6	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Expander Programming

Menu: ⑤⓪			Expander Partitions					Page 44
Exp.	Partition 1 1	Partition 2 2	Partition 3 3	Partition 4 4	Reserved 5	Reserved 6	Reserved 7	Reserved 8
1	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
2	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
3	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Menu: ⑤①			Expander Tones					Page 44
Exp.	Fire Alarm Tones from Expander 1	Burglary Alarm Tones from Expander 2	Trouble Tones from Expander 3	Acceptance Tones from Expander 4	Error Tones from Expander 5	Chime Tones from Expander 6	Entry Tones from Expander 7	Exit Tones from Expander 8
1	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
2	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓
3	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

Menu: ⑤②	Expander Volume					Page 44	
Exp. 1	[ ]	Default 4	**Exp. 2**	[ ]	Default 4	**Exp. 3**	[ ]	Default 4

Output Programming

Menu: ⑥⓪			Panel Outputs						Page 47
Output	Group & Type	Default	Part. 1 1	Part. 2 2	Part. 3 3	Part. 4 4	Test 5	Invert 6	Latch 7	Pulsed 8
1	[ ]:[ ][ ]	2:12	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
2	[ ]:[ ][ ]	2:13	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
3	[ ]:[ ][ ]	2:10	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
4	[ ]:[ ][ ]	2:01	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
5	[ ]:[ ][ ]	2:02	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
6	[ ]:[ ][ ]	2:16	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
7	[ ]:[ ][ ]	2:31	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
8	[ ]:[ ][ ]	2:30	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Menu: ⑥①			Fast Format/Speech Channels						Page 47
Output	Group & Type	Default	Part. 1 1	Part. 2 2	Part. 3 3	Part. 4 4	Test 5	Invert 6	Latch 7	Pulsed 8
1	[ ]:[ ][ ]	2:10	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
2	[ ]:[ ][ ]	2:00	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
3	[ ]:[ ][ ]	2:02	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
4	[ ]:[ ][ ]	2:16	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
5	[ ]:[ ][ ]	2:31	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
6	[ ]:[ ][ ]	2:17	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
7	[ ]:[ ][ ]	2:01	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗
8	[ ]:[ ][ ]	2:30	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Menu: ⑥②				Expander Outputs						Page 47

Output	Group & Type	Default	Part. 1 1	Part. 2 2	Part. 3 3	Part. 4 4	Test 5	Invert 6	Latch 7	Pulsed 8
1.1	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
2.2	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
2.1	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
2.2	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
3.1	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
3.2	[ ]:[ ][ ]	0:00	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗

Menu: ⑥⑤				Keypad Outputs						Page 47

Output	Group & Type	Default	Part. 1 1	Part. 2 2	Part. 3 3	Part. 4 4	Test 5	Invert 6	Latch 7	Pulsed 8
1	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
2	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
3	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
4	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
5	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
6	[ ]:[ ][ ]	0:00	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗

Output Types

Output Group
0: Not Used
1: System
2: Partition
3: Zone

System Output Types

00: Courtesy	19: Smoke Sensor Fault
01: Successful Transmission	20: Auxiliary Fuse Fault
02: Log 80% Full	21: Latched Battery Fault
03: Program Mode Selected	22: Service Required/Test Fail
04: Download In Progress	23: Fail To Communicate
05: Timed Arming Countdown	24: Control Timer 1 Active
06: Zone Soak Test Active	25: Control Timer 2 Active
07: Zone Soak Test Failed	26: Control Timer 3 Active
08: Latched AC Fail	27: Control Timer 4 Active
09: Telephone Line Fault	28: PC Output 1
10: Smoke Alarm	29: PC Output 2
11: Box/Auxiliary Tamper	30: Walk Test
12: Date Time Loss	31: Confirmed Alarm
13: Zone Trouble/Tamper	32: ARC 2 Active
14: Keypad Tamper/Removed	33: Zones Locked Out
15: Service Fault	34: AC Fail
16: Output 1 Fault	35: Battery Fault
17: Output 2 Fault	36: Poll Timer
18: Siren/Bell Fault	

Partition Output Types

00: PA Alarm	19: Bypass
01: Duress Alarm	20: Sensor Reset on Exit
02: Burglar Alarm	21: Sensor Reset on Reset
03: Medical Alarm	22: Single Pulse on Arming
04: 24Hr - Water Alarm	23: Double Pulse on Arming
05: 24Hr - Gas Alarm	24: Chime
06: 24Hr - Low Temp Alarm	25: Door Strike
07: 24Hr - High Temp Alarm	26: Cross Zone Time Active
08: Tamper	27: Single Pulse on Disarming
09: Trouble	28: Reset Required
10: Fire	29: Acknowledgement Required
11: Fire Fault	30: Confirmed Alarm
12: Bell	31: Alarm Abort
13: Strobe	32: Away Armed
14: Entry	33: Away Armed/Exit
15: Exit	34: Detector Latch
16: Armed	35: Armed/Alarm
17: Stay Armed	36: Arm Failed
18: Ready	37: All Armed

Zone Output Types (Mimic)

01: Zone 01 Mimic	17: Zone 17 Mimic
02: Zone 02 Mimic	18: Zone 18 Mimic
03: Zone 03 Mimic	19: Zone 19 Mimic
04: Zone 04 Mimic	20: Zone 20 Mimic
05: Zone 05 Mimic	21: Zone 21 Mimic
06: Zone 06 Mimic	22: Zone 22 Mimic
07: Zone 07 Mimic	23: Zone 23 Mimic
08: Zone 08 Mimic	24: Zone 24 Mimic
09: Zone 09 Mimic	25: Zone 25 Mimic
10: Zone 10 Mimic	26: Zone 26 Mimic
11: Zone 11 Mimic	27: Zone 27 Mimic
12: Zone 12 Mimic	28: Zone 28 Mimic
13: Zone 13 Mimic	29: Zone 29 Mimic
14: Zone 14 Mimic	30: Zone 30 Mimic
15: Zone 15 Mimic	31: Zone 31 Mimic
16: Zone 16 Mimic	32: Zone 32 Mimic

Zone Output Types (Alarm)

33: Zone 01 Alarm	49: Zone 17 Alarm
34: Zone 02 Alarm	50: Zone 18 Alarm
35: Zone 03 Alarm	51: Zone 19 Alarm
36: Zone 04 Alarm	52: Zone 20 Alarm
37: Zone 05 Alarm	53: Zone 21 Alarm
38: Zone 06 Alarm	54: Zone 22 Alarm
39: Zone 07 Alarm	55: Zone 23 Alarm
40: Zone 08 Alarm	56: Zone 24 Alarm
41: Zone 09 Alarm	57: Zone 25 Alarm
42: Zone 10 Alarm	58: Zone 26 Alarm
43: Zone 11 Alarm	59: Zone 27 Alarm
44: Zone 12 Alarm	60: Zone 28 Alarm
45: Zone 13 Alarm	61: Zone 29 Alarm
46: Zone 14 Alarm	62: Zone 30 Alarm
47: Zone 15 Alarm	63: Zone 31 Alarm
48: Zone 16 Alarm	64: Zone 32 Alarm

Communicator Programming

Menu: ⑦⓪			Communicator Options				Page 50

Enable On-Board Communicator 1	Enable DTMF Dialling 2	Switch to Pulse Dialling after 3rd Attempt 3	Enable European Pulse Dialling 4	Enable Auto Test Transmission 5	Enable Cancel Call Waiting 6	Enable Backup to Receiving Centre 7	Enable Blind Dialling 8
[ ]✗✗	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✓✓

Menu: (7)(1)   **ARC 1 Communicator Options**   **Page 52**

| ⓪ | **Telephone Numbers** | Primary: [   ]   None
 Secondary: [   ]   None |

| ① | **Account Numbers** | Partition 1: [ ] [ ] [ ] [ ] [ ] None   Partition 3: [ ] [ ] [ ] [ ] [ ] None
 Partition 2: [ ] [ ] [ ] [ ] [ ] None   Partition 4: [ ] [ ] [ ] [ ] [ ] None |

| ② | **Protocol Type** | [   ] 0 | **Types:**
 0 = Disabled   2 = Express Format   4 = Contact ID   6 = Pager
 1 = Pulse Format   3 = Fast Format/Speech   5 = SIA Level 2/3   7 = Mobile Phone |

| ③ | **Dial Attempts** | [   ] 3 |

| ④ | **Partition Options** | **1:** Report for Partition 1   **2:** Report for Partition 2   **3:** Report for Partition 3   **4:** Report for Partition 4
 [   ] ✓✓   [   ] ✓✓   [   ] ✓✓   [   ] ✓✓ |

⑤ Reporting Options

Priority Alarm and Cancel Events **1**	Alarm and Cancel Events **2**	Open and Close Events **3**	Bypass and Unbypass Events **4**	Maint. Alarm Events **5**	Tamper Alarm Events **6**	Test Tx Events **7**	Restore Events **8**
[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

⑥ Pulse Format Options

Use 1900Hz Carrier **1**	Use 40 PPS Baud Rate **2**	Enable Parity **3**	Use 2 Digit Events **4**	Use 2300Hz Handshake **5**	Use 2300Hz Kiss-Off **6**	Use Fast/Slow Format **7**	Reserved **8**
[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

⑦ Fast Format/Speech Channels

Channel 1 **1**	Channel 2 **2**	Channel 3 **3**	Channel 4 **4**	Channel 5 **5**	Channel 6 **6**	Channel 7 **7**	Channel 8 **8**
[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

⑧ Protocol Options

Disable SIA Modifier Blocks/ Enable Speech Module **1**	Disable Events for Each Partition **2**	Pager Terminator = * (Star) **3**	Send Pager Terminator Twice/SIA Text **4**	Pager DTMF Tones = 500mS **5**	Disable Zone Restorals **6**	Comms Ack. Tone **7**	Connect via IP **8**
[ ] ✗✗	[ ] ✓✓	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

Menu: (7)(2)   **ARC 2 Communicator Options**   **Page 55**

| ⓪ | **Telephone Numbers** | Primary: [   ]   None
 Secondary: [   ]   None |

| ① | **Account Numbers** | Partition 1: [ ] [ ] [ ] [ ] [ ] None   Partition 3: [ ] [ ] [ ] [ ] [ ] None
 Partition 2: [ ] [ ] [ ] [ ] [ ] None   Partition 4: [ ] [ ] [ ] [ ] [ ] None |

| ② | **Protocol Type** | [   ] 0 | **Types:**
 0 = Disabled   2 = Express Format   4 = Contact ID   6 = Pager
 1 = Pulse Format   3 = Fast Format/Speech   5 = SIA Level 2/3   7 = Mobile Phone |

| ③ | **Dial Attempts** | [   ] 3 |

| ④ | **Partition Options** | **1:** Report for Partition 1   **2:** Report for Partition 2   **3:** Report for Partition 3   **4:** Report for Partition 4
 [   ] ✓✓   [   ] ✓✓   [   ] ✓✓   [   ] ✓✓ |

⑤ Reporting Options

Priority Alarm and Cancel Events **1**	Alarm and Cancel Events **2**	Open and Close Events **3**	Bypass and Unbypass Events **4**	Maint. Alarm Events **5**	Tamper Alarm Events **6**	Test Tx Events **7**	Restore Events **8**
[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

⑥ Pulse Format Options

Use 1900Hz Carrier **1**	Use 40 PPS Baud Rate **2**	Enable Parity **3**	Use 2 Digit Events **4**	Use 2300Hz Handshake **5**	Use 2300Hz Kiss-Off **6**	Use Fast/Slow Format **7**	Reserved **8**
[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓	[ ] ✓✓

⑦ Fast Format/Speech Channels

Channel 1 **1**	Channel 2 **2**	Channel 3 **3**	Channel 4 **4**	Channel 5 **5**	Channel 6 **6**	Channel 7 **7**	Channel 8 **8**
[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗	[ ] ✗✗

⑧ Protocol Options

Disable SIA Modifier Blocks/ Enable Speech Module **1**	Disable Events for Each Partition **2**	Pager Terminator = * (Star) **3**	Send Pager Terminator Twice/SIA Text **4**	Pager DTMF Tones = 500mS **5**	Disable Zone Restorals **6**	Comms Ack. Tone **7**	Connect via IP **8**

		1	2	3	4	5	6	7	8
		[ ]✗✗	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗

Menu: ⑦③				**Fast Format/Speech Restore Channels**				Page 55	
Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8		
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**		
[ ]✓✓	[ ]✓✓	[ ]✓✓	[ ]✓✓	[ ]✓✓	[ ]✓✓	[ ]✓✓	[ ]✓✓		

Menu: ⑦④				**Fast Format Open/Close Channels**				Page 56	
Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8		
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**		
[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✓✓	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗		

Menu: ⑦⑤	**Cancel Call Waiting Sequence**	Page 54
Cancel Call Waiting Sequence:	[ ]	None

Download Programming

Menu: ⑦⑥		**Download Menu Options**					**Page 60**
⓪	**Download Options**	Enable Attended Download **1**	Enable Unattended Call Back **2**	Enable 2-Call Answer Phone Defeat **3**	Restrict Download when Armed **4**	Download when Part Armed **5**	Disconnect Telephone Line **6**
		[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗	[ ]✗✗
①	**Download Tel No**	[ ] None					
②	**Download Password**	[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] None					
③	**Dial Attempts**	[ ] 1					
④	**Ring Count**	[ ] 2					
⑤	**Com1 Device Type**	[ ] 0 **Types:** 0 = *PC-Com*; 1 = *RadioPlus*; 2 = Inovonics Radio; 3 = *ComIP;* 4 = WebWayOne/Emizon Module; 5 = Chiron Module					
⑥	**ComIP Address/Port**	Address: [ ] . [ ] . [ ] . [ ] Port: [ ] [ ] [ ] [ ] None					
⑦	**ComIP Gateway**	[ ] . [ ] . [ ] . [ ] None					
⑧	**ComIP Subnet Mask**	[ ] 8					
⑨	**Com 2 Device Type**	[ ] 0 **Types:** 0 = *PC-Com*; 1 = *RadioPlus*; 2 = Inovonics Radio; 3 = *ComIP;* 4 = WebWayOne/Emizon Module; 5 = Chiron Module					
🔔	**Chiron Iris Setup**	[ ] 0 **Options:** 1 = Access Point Name; 2 = User Name; 3 = Password;					

Reporting Codes Programming

Menu: ⑦⑦ Zone Alarm/Restore Codes				Page 63	Menu: ⑦⑧ Zone Bypass/Unbypass Codes				Page 63
Zone	Event No	Alarm Code	Event No	Restore Code	Event No	Bypass Code	Event No	Unbypass Code	
01	00	[ ] [ ] 31	01	[ ] [ ] 00	00	[ ] [ ] 61	01	[ ] [ ] 00	
02	02	[ ] [ ] 32	03	[ ] [ ] 00	02	[ ] [ ] 62	03	[ ] [ ] 00	
03	04	[ ] [ ] 33	05	[ ] [ ] 00	04	[ ] [ ] 63	05	[ ] [ ] 00	
04	06	[ ] [ ] 34	07	[ ] [ ] 00	06	[ ] [ ] 64	07	[ ] [ ] 00	
05	08	[ ] [ ] 35	09	[ ] [ ] 00	08	[ ] [ ] 65	09	[ ] [ ] 00	
06	10	[ ] [ ] 36	11	[ ] [ ] 00	10	[ ] [ ] 66	11	[ ] [ ] 00	
07	12	[ ] [ ] 37	13	[ ] [ ] 00	12	[ ] [ ] 67	13	[ ] [ ] 00	
08	14	[ ] [ ] 38	15	[ ] [ ] 00	14	[ ] [ ] 68	15	[ ] [ ] 00	
09	16	[ ] [ ] 39	17	[ ] [ ] 00	16	[ ] [ ] 69	17	[ ] [ ] 00	
10	18	[ ] [ ] 3A	19	[ ] [ ] 00	18	[ ] [ ] 6A	19	[ ] [ ] 00	
11	20	[ ] [ ] 3B	21	[ ] [ ] 00	20	[ ] [ ] 6B	21	[ ] [ ] 00	
12	22	[ ] [ ] 3C	23	[ ] [ ] 00	22	[ ] [ ] 6C	23	[ ] [ ] 00	
13	24	[ ] [ ] 3D	25	[ ] [ ] 00	24	[ ] [ ] 6D	25	[ ] [ ] 00	
14	26	[ ] [ ] 3E	27	[ ] [ ] 00	26	[ ] [ ] 6E	27	[ ] [ ] 00	
15	28	[ ] [ ] 3F	29	[ ] [ ] 00	28	[ ] [ ] 6F	29	[ ] [ ] 00	
16	30	[ ] [ ] 30	31	[ ] [ ] 00	30	[ ] [ ] 60	31	[ ] [ ] 00	
17	32	[ ] [ ] 00	33	[ ] [ ] 00	32	[ ] [ ] 00	33	[ ] [ ] 00	
18	34	[ ] [ ] 00	35	[ ] [ ] 00	34	[ ] [ ] 00	35	[ ] [ ] 00	
19	36	[ ] [ ] 00	37	[ ] [ ] 00	36	[ ] [ ] 00	37	[ ] [ ] 00	
20	38	[ ] [ ] 00	39	[ ] [ ] 00	38	[ ] [ ] 00	39	[ ] [ ] 00	
21	40	[ ] [ ] 00	41	[ ] [ ] 00	40	[ ] [ ] 00	41	[ ] [ ] 00	
22	42	[ ] [ ] 00	43	[ ] [ ] 00	42	[ ] [ ] 00	43	[ ] [ ] 00	
23	44	[ ] [ ] 00	45	[ ] [ ] 00	44	[ ] [ ] 00	45	[ ] [ ] 00	
24	46	[ ] [ ] 00	47	[ ] [ ] 00	46	[ ] [ ] 00	47	[ ] [ ] 00	

Reporting Codes Programming

25	48	[ ] [ ] 00	49	[ ] [ ] 00	48	[ ] [ ] 00	49	[ ] [ ] 00
26	50	[ ] [ ] 00	51	[ ] [ ] 00	50	[ ] [ ] 00	51	[ ] [ ] 00
27	52	[ ] [ ] 00	53	[ ] [ ] 00	52	[ ] [ ] 00	53	[ ] [ ] 00
28	54	[ ] [ ] 00	55	[ ] [ ] 00	54	[ ] [ ] 00	55	[ ] [ ] 00
29	56	[ ] [ ] 00	57	[ ] [ ] 00	56	[ ] [ ] 00	57	[ ] [ ] 00
30	58	[ ] [ ] 00	59	[ ] [ ] 00	58	[ ] [ ] 00	59	[ ] [ ] 00
31	60	[ ] [ ] 00	61	[ ] [ ] 00	60	[ ] [ ] 00	61	[ ] [ ] 00
32	62	[ ] [ ] 00	63	[ ] [ ] 00	62	[ ] [ ] 00	63	[ ] [ ] 00

Menu: ⑦⑨	Non Zone Alarm/Restore Codes					Page 63
Event No	**Event Type**	**Event**	**Reporting Group**	**Pulse/Express**	**Contact ID**	**SIA**
00	AC Fail	Alarm	Maintenance	[ ] [ ] FF	301	AT
01		Restore	Restore	[ ] [ ] AF	301	AR
02	Low Battery	Alarm	Maintenance	[ ] [ ] FE	302	YT
03		Restore	Restore	[ ] [ ] AE	302	YR
04	Telephone Line Fault	Alarm	Maintenance	[ ] [ ] FD	351	LT
05		Restore	Restore	[ ] [ ] AD	351	LR
06	Fail to Communicate	Alarm	Maintenance	[ ] [ ] 00	354	YC
07		Restore	-	-	-	-
08	Open/Close	Alarm	Open	[ ] [ ] B*	401	OP
09		Restore	Close	[ ] [ ] C*	401	CL
10	Recent Closing	Alarm	Close	[ ] [ ] DA	459	CR
11		Restore	-	-	-	-
12	Auto Open/Close	Alarm	Open	[ ] [ ] CC	403	OA
13		Restore	Close	[ ] [ ] CC	403	CA
14	Auto Arm Deferred	Alarm	Close	[ ] [ ] D*	405	CE
15		Restore	-	-	-	-
16	Remote Open/Close	Alarm	Open	[ ] [ ] B9	407	OP
17		Restore	Close	[ ] [ ] C9	407	CL
18	Quick Arm	Alarm	-	-	-	
19		Restore	Close	[ ] [ ] C	408	CL
20	Open After Alarm (Cancel)	Alarm	Open	[ ] [ ] D*	406	OR
21		Restore	-	-	-	-
22	Download Start	Alarm	Maintenance	[ ] [ ] 00		
23		Restore	-	-	-	-
24	Download End	Alarm	Maintenance	[ ] [ ] 00		
25		Restore	-	-	-	-
26	Group Bypass/Unbypass	Alarm	Bypass	[ ] [ ] 00	574	
27		Restore	Unbypass	[ ] [ ] 00	574	
28	Log Capacity Alert (80%)	Alarm	Maintenance	[ ] [ ] 00	623	JL
29		Restore	-	-	-	-
30	Keypad Lockout (Device No)	Alarm	Tamper	[ ] [ ] EA	421	JA
31		Restore	-	-	-	-
32	Code Tamper Alarm (Device No)	Alarm	Tamper	[ ] [ ] EA	421	JA
33		Restore	-	-	-	-
34	Manual Test Transmission	Alarm	Test	[ ] [ ] 9A	601	RX
35		Restore	-	-	-	-
36	Automatic Test Transmission	Alarm	Test	[ ] [ ] 9C	602	RP
37		Restore	-	-	-	-
38	User Zone Test Start/End	Alarm	Test	[ ] [ ] 00		
39		Restore	Restore	[ ] [ ] 00		
40	Auxiliary Power Fail/Restore	Alarm	Maintenance	[ ] [ ] FB	300	YP
41		Restore	Restore	[ ] [ ] AB	300	YQ
42	Bell Output Fault/Restore	Alarm	Maintenance	[ ] [ ] 00	321	YA
43		Restore	Restore	[ ] [ ] 00	321	YH
44	Installer Programming Start	Alarm	Maintenance	[ ] [ ] 00		
45		Restore	-	-	-	-
46	Installer Programming End	Alarm	Maintenance	[ ] [ ] 00		
47		Restore	-	-	-	-
48	Exit Error	Alarm	Close	[ ] [ ] 00		
49		Restore	-	-	-	-
50	Verified Cross Zone Alarm	Alarm	Alarm	[ ] [ ] 00	140	BV
51		Restore	-	-	-	-

Menu: ⑦⑨		Non Zone Alarm/Restore Codes				Page 63
Event No	Event Type	Event	Reporting Group	Pulse/Express	Contact ID	SIA
52	Soak Test	Alarm	Test	[ ] [ ] 00		
53		Restore	-	-	-	-
54	Fire Zone Trouble	Alarm	Tamper	[ ] [ ] 00	373	FT
55		Restore	Restore	[ ] [ ] 00	373	FJ
56	System Power Up	Alarm	Maintenance	[ ] [ ] 00		
57		Restore	-	-	-	-
58	Swinger Shutdown (Zone No)	Alarm	Alarm	[ ] [ ] 00		
59		Restore	-	-	-	-
60	User Code Entered	Alarm	-	-	-	-
61		Restore	-	-	-	-
62	Exit Started	Alarm	-	-	-	-
63		Restore	-	-	-	-
64	Entry Started	Alarm	-	-	-	-
65		Restore	-	-	-	-
66	Bell Active	Alarm	-	-	-	-
67		Restore	-	-	-	-
68	Alarm Active	Alarm	-	-	-	-
69		Restore	-	-	-	-
70	Keypad Tamper	Alarm	Tamper	[ ] [ ] 3*	137	TA
71		Restore	-	-	-	-
72	Keypad Medical	Alarm	Priority Alarm	[ ] [ ] 00	100	MA
73		Restore	-	-	-	-
74	Keypad Fire/2-Wire Smoke	Alarm	Priority Alarm	[ ] [ ] 00	115	FA
75		Restore	Restore	[ ] [ ] 00	115	FH
76	Duress Code Alarm	Alarm	Priority Alarm	[ ] [ ] 00	121	HA
77		Restore	-	-	-	-
78	Keypad Silent PA	Alarm	Priority Alarm	[ ] [ ] 2*	122	PA
79		Restore	-	-	-	-
80	Keypad Audible PA/Auxiliary PA	Alarm	Priority Alarm	[ ] [ ] 2*	120	PA
81		Restore	Restore	[ ] [ ] 00	120	PH
82	Box Tamper	Alarm	Tamper	[ ] [ ] 30	137	TA
83		Restore	Restore	[ ] [ ] 00	137	TR
84	Zone Tamper	Alarm	Tamper	[ ] [ ] 3*	144	TA
85		Restore	Restore	[ ] [ ] 00	144	TR
86	Zone Trouble	Alarm	Tamper	[ ] [ ] 00	380	UT
87		Restore	Restore	[ ] [ ] 00	380	UJ
88	Expander/Remote Trouble	Alarm	Tamper	[ ] [ ] 00	333	ET
89		Restore	-	-	-	-
90	Auxiliary Tamper Input	Alarm	Tamper	[ ] [ ] 30	137	TA
91		Restore	Restore	[ ] [ ] 00	137	TR
92	Date Changed	Alarm	Maintenance	[ ] [ ] 00	625	JD
93		Restore	-	-	-	-
94	Time Changed	Alarm	Maintenance	[ ] [ ] 00	625	JT
95		Restore	-	-	-	-
96	System Reset	Alarm	Maintenance	[ ] [ ] 00		
97		Restore	-	-	-	-
98	Remote Control	Alarm	Test	[ ] [ ] 00	-	-
99		Restore	Restore	[ ] [ ] 00	-	-
100	Confirmed Alarm	Alarm	Alarm	[ ] [ ] 00	139	BV
101		Restore	-	-	-	-
102	Monitored Alarm	Alarm	Alarm	[ ] [ ] 00	220	BA
103		Restore	Restore	[ ] [ ] 00	220	BH
104	FOB Low Battery	Alarm	Maintenance	[ ] [ ] 00	384	XT
105		Restore	-	[ ] [ ] 00	-	-
106	Radio Supervision	Alarm	Maintenance	[ ] [ ] 00	355	YS
107	Radio Supervision	Restore	Maintenance	[ ] [ ] 00	-	YT
108	Communication Port	Alarm	Maintenance	[ ] [ ] 00	356	ET
109		Restore	-	[ ] [ ] 00	-	-

* If the second digit for Pulse/Express is programmed as "0", the panel will replace this digit with the Zone/User/Keypad number.

A dash (-) indicates an event that is not generated by the control panel and therefore cannot be reported.

Notes

Texecom