Installation Manual
Premier 412/816/832
INS159-12

Texecom
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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:

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

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.
System Overview

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- Fully adjustable back-lighting, normally bright, dim or off, changing to bright whenever a keypad is used and during the entry mode

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.

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

- 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).
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.

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 engineers 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)

<table>
<thead>
<tr>
<th>Current Consumption</th>
<th>50mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Current Available</td>
<td>0.3A charge 1.1A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery Charge (Amps)</th>
<th>12h</th>
<th>24h</th>
<th>30h</th>
<th>60h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 7Ah</td>
<td>0.3A</td>
<td>0.533A</td>
<td>0.241A</td>
<td>0.183A</td>
</tr>
<tr>
<td>1 x 17Ah</td>
<td>0.3A</td>
<td>1.36A</td>
<td>0.658A</td>
<td>0.516A</td>
</tr>
<tr>
<td>0.75A charge</td>
<td>1.0A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
</tr>
</tbody>
</table>

#### Standby and Recharge Times

<table>
<thead>
<tr>
<th>Minimum Standby Period</th>
<th>Grade 1</th>
<th>Grade 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>12h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Recharge Time</td>
<td>72 Hrs</td>
<td>72 Hrs</td>
</tr>
</tbody>
</table>

#### All Models (Metal)

<table>
<thead>
<tr>
<th>Current Consumption</th>
<th>50mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Current Available</td>
<td>0.3A charge 1.9A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery Charge (Amps)</th>
<th>12h</th>
<th>24h</th>
<th>30h</th>
<th>60h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 7Ah</td>
<td>0.3A</td>
<td>0.533A</td>
<td>0.241A</td>
<td>0.183A</td>
</tr>
<tr>
<td>1 x 17Ah</td>
<td>0.3A</td>
<td>1.36A</td>
<td>0.658A</td>
<td>0.516A</td>
</tr>
<tr>
<td>0.75A charge</td>
<td>1.0A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
</tr>
</tbody>
</table>

#### Standby and Recharge Times

<table>
<thead>
<tr>
<th>Minimum Standby Period</th>
<th>Grade 1</th>
<th>Grade 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>12h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Recharge Time</td>
<td>72 Hrs</td>
<td>72 Hrs</td>
</tr>
</tbody>
</table>

#### Jumper Settings

<table>
<thead>
<tr>
<th>Battery Charge Selector</th>
<th>Recharge Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 7Ah</td>
<td>&lt; 24Hrs</td>
</tr>
<tr>
<td></td>
<td>0.3 A</td>
</tr>
<tr>
<td>1 x 17Ah</td>
<td>&lt; 24Hrs</td>
</tr>
<tr>
<td></td>
<td>0.75 A</td>
</tr>
<tr>
<td></td>
<td>&lt; 72Hrs</td>
</tr>
<tr>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

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

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 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.

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.

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:

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:

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>+12V Supply</td>
</tr>
<tr>
<td>-</td>
<td>0V Supply</td>
</tr>
<tr>
<td>T</td>
<td>Transmit Data</td>
</tr>
<tr>
<td>R</td>
<td>Receive Data</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Max. Cable Run</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Keypad + 2 PIR’s @15mA</td>
<td>250m</td>
</tr>
<tr>
<td>2. Expander + 2 PIR’s @15mA</td>
<td>250m</td>
</tr>
<tr>
<td>3. Expander + 8 PIR’s @15mA</td>
<td>100m</td>
</tr>
<tr>
<td>4. As No. 3 + 16Ω Speaker</td>
<td>30m</td>
</tr>
</tbody>
</table>
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.
Installing Remote Keypads

Keypad Layouts

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:

<table>
<thead>
<tr>
<th>Address</th>
<th>DIL 1</th>
<th>DIL 2</th>
<th>DIL 3</th>
<th>DIL 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>On/Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>2</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>3</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
</tr>
<tr>
<td>4</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
</tr>
<tr>
<td>5</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
</tr>
<tr>
<td>6</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>On</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Address</th>
<th>Premier 412</th>
<th>Premier 816/832</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>Zone 05</td>
<td>Zone 09</td>
</tr>
<tr>
<td>Zone 2</td>
<td>Zone 06</td>
<td>Zone 10</td>
</tr>
<tr>
<td>Zone 3</td>
<td>Zone 07</td>
<td>Zone 11</td>
</tr>
<tr>
<td>Zone 4</td>
<td>Zone 08</td>
<td>Zone 12</td>
</tr>
<tr>
<td>Zone 5</td>
<td>Zone 09</td>
<td>Zone 13</td>
</tr>
<tr>
<td>Zone 6</td>
<td>Zone 10</td>
<td>Zone 14</td>
</tr>
<tr>
<td>Zone 7</td>
<td>Zone 11</td>
<td>Zone 15</td>
</tr>
<tr>
<td>Zone 8</td>
<td>Zone 12</td>
<td>Zone 16</td>
</tr>
<tr>
<td>Zone 9</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Zone 10</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 have 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 (). The table below shows how to set the address:

<table>
<thead>
<tr>
<th>Address</th>
<th>DIL 1</th>
<th>DIL 2</th>
<th>DIL 3</th>
<th>DIL 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>On/Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>2</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>3</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
</tr>
</tbody>
</table>

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:

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

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:

<table>
<thead>
<tr>
<th>No</th>
<th>Supervised</th>
<th>Max Current</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Panel</th>
<th>Panel Zones</th>
<th>Expander Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premier 412</td>
<td>1 to 4</td>
<td>9 to 16</td>
</tr>
<tr>
<td>Premier 816</td>
<td>1 to 8</td>
<td>9 to 16</td>
</tr>
<tr>
<td>Premier 832</td>
<td>1 to 8</td>
<td>9 to 16</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Type</th>
<th>Zone Status</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normally Closed</td>
<td>&lt; 10K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>&gt; 10K</td>
<td>Active</td>
</tr>
<tr>
<td>Normally Open</td>
<td>&lt; 10K</td>
<td>Active</td>
</tr>
<tr>
<td></td>
<td>&gt; 10K</td>
<td>Secure</td>
</tr>
<tr>
<td>Single EOL - N/C &amp; N/O</td>
<td>&lt; 1K</td>
<td>Active</td>
</tr>
<tr>
<td>(Burglary)</td>
<td>1K - 4.7K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>&gt; 4.7K</td>
<td>Active</td>
</tr>
<tr>
<td>Single EOL - N/O</td>
<td>&lt; 1K</td>
<td>Active</td>
</tr>
<tr>
<td>(Fire)</td>
<td>1K - 4.7K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>&gt; 4.7K</td>
<td>Trouble</td>
</tr>
<tr>
<td>Single EOL - N/C</td>
<td>&lt; 2K</td>
<td>Trouble</td>
</tr>
<tr>
<td></td>
<td>1K - 4.7K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>&gt; 4.7K</td>
<td>Active</td>
</tr>
<tr>
<td>Single EOL - O/C Tamper</td>
<td>&lt; 1K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>1K - 4.7K</td>
<td>Active</td>
</tr>
<tr>
<td></td>
<td>&gt; 4.7K</td>
<td>Tamper</td>
</tr>
<tr>
<td>Single EOL - S/C Tamper</td>
<td>&lt; 1K</td>
<td>Tamper</td>
</tr>
<tr>
<td></td>
<td>1K - 4.7K</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>&gt; 4.7K</td>
<td>Active</td>
</tr>
<tr>
<td>Double EOL</td>
<td>&lt; 1K*</td>
<td>Tamper</td>
</tr>
<tr>
<td></td>
<td>1K - 4K*</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>4K - 20K</td>
<td>Active</td>
</tr>
<tr>
<td></td>
<td>&gt; 20K</td>
<td>Tamper</td>
</tr>
<tr>
<td>Zone Doubled</td>
<td>&lt; 1K</td>
<td>Zones A &amp; B Trouble</td>
</tr>
<tr>
<td></td>
<td>1K - 2K</td>
<td>Zones A &amp; B Secure</td>
</tr>
<tr>
<td></td>
<td>2K - 4K</td>
<td>Zone A Violated</td>
</tr>
<tr>
<td></td>
<td>4K - 6K</td>
<td>Zone B Violated</td>
</tr>
<tr>
<td></td>
<td>&gt; 6K</td>
<td>Zones A &amp; B Violated</td>
</tr>
<tr>
<td>Triple EOL</td>
<td>&lt; 1K*</td>
<td>Tamper</td>
</tr>
<tr>
<td></td>
<td>1K - 4K*</td>
<td>Secure</td>
</tr>
<tr>
<td></td>
<td>4K - 6K</td>
<td>Trouble (Fault)</td>
</tr>
<tr>
<td></td>
<td>6K - 8K</td>
<td>Active</td>
</tr>
<tr>
<td></td>
<td>8K - 20K</td>
<td>Trouble (Masked)</td>
</tr>
<tr>
<td></td>
<td>&gt; 20K</td>
<td>Tamper</td>
</tr>
</tbody>
</table>

* 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 closed control panel & expanders

### 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:

** normally open control panel & expanders
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.

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:

<table>
<thead>
<tr>
<th>Premier 412</th>
<th>Panel Zone</th>
<th>Zone A</th>
<th>Zone B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Premier 816/832</th>
<th>Panel Zone</th>
<th>Zone A</th>
<th>Zone B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

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:
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:

**2-Wire Smoke Detector**

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

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:

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:

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

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:

**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:

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:

<table>
<thead>
<tr>
<th>No</th>
<th>Supervised</th>
<th>Max Current</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
<td>1 Amp</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>2</td>
<td>Yes</td>
<td>1 Amp</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>3</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>4</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>5</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>6</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>7</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
<tr>
<td>8</td>
<td>No</td>
<td>100mA</td>
<td>Switched –ve</td>
</tr>
</tbody>
</table>

**Output Wiring**
The figure below shows some typical wiring examples:

**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:
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 5. All the zone lights will illuminate.

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

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

- Confirm Devices see page 22

- 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 6 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.

Troubleshooting

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

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 that 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 remote 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 4 and 8 keys together, the address is displayed by the relevant zone light.

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

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.

- Check that the primary telephone number is programmed correctly, see page 52.
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 1234 and press 12 followed by 9 to access the program menus:

```
Enter Engineers code
1234
Then press 12 then 9
```

```
Program9n9 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 99 or press the 12 key, the system will revert to normal operation:

```
Program9n9 Menu
Enter Code > ??
```

```
All Zone lights lit and Ready light flashes
```

```
To exit programming mode, enter 99 or press 12
```

```
Premier 816
12:45:39 28/04
```

```
LCD shows banner text and time/date.
```

```
All zones clear and Ready light on.
```

Viewing Numeric Data (LED Keypads)

When programming numeric data, the value of the data may be viewed by pressing the 13 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 13 to move the cursor along).

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

<table>
<thead>
<tr>
<th>Key</th>
<th>Characters</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>. , ? ! 1 @ “ ” &amp;</td>
</tr>
<tr>
<td>2</td>
<td>a b c 2 A B C</td>
</tr>
<tr>
<td>3</td>
<td>d e f 3 D E F</td>
</tr>
<tr>
<td>4</td>
<td>g h i 4 G H I</td>
</tr>
<tr>
<td>5</td>
<td>j k l 5 J K L</td>
</tr>
<tr>
<td>6</td>
<td>m n o 6 M N O</td>
</tr>
<tr>
<td>7</td>
<td>p q r s 7 P Q R S</td>
</tr>
<tr>
<td>8</td>
<td>t u v 8 T U V</td>
</tr>
<tr>
<td>9</td>
<td>w x y z 9 W X Y Z</td>
</tr>
<tr>
<td>0</td>
<td>_ 0 , # * Custom characters</td>
</tr>
</tbody>
</table>

Move cursor left and right

Backspace (delete)

Accept text

---

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.
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.

<table>
<thead>
<tr>
<th>Action</th>
<th>Display</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the default engineers code 1234</td>
<td>Set Language? YES to Select</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌃ takes you to the Confirm Devices Menu Press ⌘ takes you to the Confirm Devices Menu</td>
</tr>
<tr>
<td>Press ⌘ and use the ⌘ key to select the desired language</td>
<td>Lang9ua9e English</td>
<td>Press ⌘ takes you to the Confirm Devices Menu Press ⌃ takes you to the Confirm Devices Menu Press ⌘ takes you to the Confirm Devices Menu</td>
</tr>
<tr>
<td>Press ⌘ to confirm Language</td>
<td>Set Country? YES to Select</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌃ takes you to the Confirm Devices Menu Press ⌘ takes you to the Confirm Devices Menu</td>
</tr>
<tr>
<td>Press ⌘ and use the numeric keys to enter the desired country code.</td>
<td>Country Code Enter Value: 027</td>
<td>Press ⌘ takes you to the Confirm Devices Menu Press ⌃ takes you to the Confirm Devices Menu Press ⌘ takes you to the Confirm Devices Menu</td>
</tr>
<tr>
<td>The panel will now load the defaults for the country code selected.</td>
<td>Confirm Devices YES to Select</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌃ takes you to the Confirm Devices Menu Press ⌘ takes you to the Confirm Devices Menu</td>
</tr>
<tr>
<td>Press ⌘ and check that all devices installed are shown.</td>
<td>Net RKP&gt;1..... Net Exp&gt;... Press ⌘ takes you to day mode. You will be prompted to confirm devices when you log in again.</td>
<td>Press ⌘ takes you to day mode. You will be prompted to confirm devices when you log in again.</td>
</tr>
<tr>
<td>Press ⌘.</td>
<td>Confirm Devices YES to Confirm</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌘ takes you to the Arming Menu</td>
</tr>
<tr>
<td>Press ⌘.</td>
<td>Program Time YES to Select</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌘ takes you to the Arming Menu</td>
</tr>
<tr>
<td>Press ⌘ and use the numeric keys to enter the correct time.</td>
<td>Program Time &gt; 08:17</td>
<td>Press ⌘ takes you to the Programming Menu Press ⌘ takes you to the Programming Menu</td>
</tr>
<tr>
<td>You will be prompted to programme the correct date</td>
<td>Program Date YES to Select</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌘ takes you to the Arming Menu</td>
</tr>
<tr>
<td>Press ⌘ and use the numeric keys to enter the correct date.</td>
<td>Program Date &gt; 18/05/15</td>
<td>Press ⌘ takes you to the Arming Menu Press ⌘ takes you to the Arming Menu</td>
</tr>
<tr>
<td>You are now at the Programming Menu</td>
<td>Program9ing Menu Enter Code &gt; ??</td>
<td>Press ⌘ takes you to day mode Press ⌘ takes you to day mode</td>
</tr>
</tbody>
</table>

**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.
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<td>Log Off Engineer</td>
<td>69</td>
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</tbody>
</table>
Programming Zones

Enter Engineers code
Then press \[ \text{L}\] then \[ \text{O}\]

Programming Menu
Enter Code > ???

All Zone Options

1 0

Zones Type

1 1

Zone Wiring

1 2

Zone Attributes 1

1 3

Zone Attributes 2

1 4

Zone Types

1 0

Wiring Types

1 1

Zone Attributes 1

1 2

Use keys \[ \text{L}\] - \[ \text{O}\] to select/deselect Attributes. Then press \[ \text{N}\] or \[ \text{O}\]

Zone Attributes 2

1 3

Use keys \[ \text{L}\] - \[ \text{O}\] to select/deselect Attributes. Then press \[ \text{N}\] or \[ \text{O}\]

Continues on Next Page
All Zone Options
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
How the alarm system responds, when a zone is violated depends on the zone type. The following zone types are available:

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

- **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.

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

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

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

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

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **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**

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:

- **Normally Closed**
- **Normally Open**
- **Single EOL - N/C & N/O (Burglary)**
- **Single EOL - N/O (Fire)**
- **Single EOL - N/C**
- **Single EOL - O/C Tamper**
- **Single EOL - S/C Tamper**
- **Double EOL**
- **Zone Doubled**
- **Triple EOL**

**Zone Attributes 1**

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

- **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).

- **Enable Bell**
  On: The bell output will trigger when the zone causes an alarm.
  Off: The bell output will not trigger.

- **Delayed Bell**
  On: The bell output is delayed when the zone causes an alarm.
  Off: The bell output is instant.

- **Pulsed Bell**
  On: The bell output is pulsed on and off when the zone causes an alarm (Fire).
  Off: The bell output is constant.
Programming the Control Panel

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

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

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

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.

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.

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.

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.

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.

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).

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.

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.

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

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.

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.

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.

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.

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

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.

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.

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 someway.
Off: The zone behaves as normal.

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 (Key Switch)

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:

1. **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.

2. **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.

3. **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.

Zone Partitions & Groups

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)

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 \( \text{SELECT} \) to move the cursor along).

For details on entering text, see page 22.

Assign Radio Device

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 (3) then (9)

Programming Menu
Enter Code > ??

2

Exit Delay
Partition No. ?
Enter Partition No. (7) to select ALL

Exit Delay
Enter Value: 005

Exit Delay
Enter Exit Time
LCD: Use (7) to scroll value then press (9)

Entry Delay 1
Partition No. ?
Enter Partition No. (7) to select ALL

Entry Delay 1
Enter Value: 030

Entry Delay 1
Enter Entry Time
LCD: Use (7) to scroll value then press (9)

Entry Delay 2
Partition No. ?
Enter Partition No. (7) to select ALL

Entry Delay 2
Enter Value: 045

Entry Delay 2
Enter Entry Time
LCD: Use (7) to scroll value then press (9)

Communication Delay
Partition No. ?
Enter Partition No. (7) to select ALL

Communication Delay
Enter Value: 006

Communication Delay
Enter Coms Delay
LCD: Use (7) to scroll value then press (9)

Bell Delay
Partition No. ?
Enter Partition No. (7) to select ALL

Bell Delay
Enter Value: 001

Bell Delay
Enter Bell Delay
LCD: Use (7) to scroll value then press (9)

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

Led Key
- Off
- On
- Slow Flash
- Fast Flash

Continues on Next Page
**Partition Exit Delay**  
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**  
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**  
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**  
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**  
This timer controls the delay between an alarm occurring in the selected partition and the bell output activating.

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

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

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.

**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.

**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.

**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, 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**

**Enable Remote Disarming**
- **On**: The selected partition can be disarmed remotely via the downloading computer.
- **Off**: The selected partition cannot be disarmed remotely.

**Enable Local Exit Tones**
- **On**: When arming the selected partition all keypads will generate an exit tone.
- **Off**: When arming the selected partition all keypads will generate an exit tone.

**Accountable**
- **On**: The selected partition is disarmed automatically when Control Timer 1 is switched OFF.
- **Off**: The selected partition is not disarmed automatically.

**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.

**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.

**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.

**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**

- **2** **8**

This option allows you to assign the following to partitions:

- **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.

- **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.

- **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**
- When the control timer switch es 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.

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

- **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

**System Timers**

- **Enter Timer Number**
  - **Enter New Value**
  - LCD: Use to scroll value then press

**System Counters**

- **Enter Counter Number**
  - **Enter New Value**
  - LCD: Use to scroll value then press

**Control Timers**

- **Enter Control Timer**
  - **Enter the ON Time**
  - **Enter the OFF Time**

---

Note
ON and OFF times must be entered in 24hr format, e.g. 5:00pm = 17:00.

Days are selected as follows:
- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday
System Options 1

- Use keys (1) - (8) to select/deselect options. Then press (9) or (0).

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 OP 1
8. Convert Siren Output from Voltage to Speaker

System Options 2

- Use keys (1) - (8) to select/deselect options. Then press (9) or (0).

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

System Options 3

- Use keys (1) - (8) to select/deselect options. Then press (9) or (0).

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

Hardware Options

- Use keys (1) - (8) to select/deselect options. Then press (9) or (0).

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 Supplemented for Faults
6. Battery Supervised for Faults
7. AC Mains Supply is Monitored
8. Telephone Line is Monitored

Auxiliary Input Type

- Enter type (0) - (7)
- LCD: Use (9) to scroll type then press (9)

1. Not Used
2. Auxiliary Tamper
3. Remote Reset
4. Telephone Line Monitor
5. Panic Alarm
6. Silent PA
7. Latched Keyswitch
8. Momentary Keyswitch
**System Timers**

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

1. **AC Fail Delay**
   This timer delays the audible indication following a mains (AC) failure.

2. **Telephone Line Fault Delay**
   This timer delays the audible indication following a telephone line fault.

3. **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.

4. **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.

5. **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.

6. **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.

7. **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.

8. **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.

9. **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.
Programming the Control Panel

1. **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.

2. **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.

3. **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.

4. **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.

5. **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.

6. **Poll IP Every**
   This timer controls how often the ComIP module (if fitted) polls the ARC software with a “Polling” message.

**System Counter/Levels**

1. **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.

2. **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.

3. **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.

4. **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.

5. **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.

6. **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.

<table>
<thead>
<tr>
<th>Country</th>
<th>Code</th>
<th>Country</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>000</td>
<td>UK</td>
<td>044</td>
</tr>
<tr>
<td>South Africa</td>
<td>027</td>
<td>Norway</td>
<td>047</td>
</tr>
<tr>
<td>New Zealand</td>
<td>064</td>
<td>Russian</td>
<td>007</td>
</tr>
<tr>
<td>Sweden</td>
<td>046</td>
<td>Hungary</td>
<td>036</td>
</tr>
<tr>
<td>Denmark</td>
<td>045</td>
<td>Belgium</td>
<td>032</td>
</tr>
<tr>
<td>Holland</td>
<td>031</td>
<td>Belgium 2</td>
<td>131</td>
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<td>Holland 2</td>
<td>131</td>
<td>Portugal</td>
<td>035</td>
</tr>
<tr>
<td>Australia</td>
<td>061</td>
<td>Norway</td>
<td>47</td>
</tr>
<tr>
<td>Australia 2</td>
<td>161</td>
<td>Poland</td>
<td>048</td>
</tr>
<tr>
<td>Australia 3</td>
<td>162</td>
<td>Bulgaria</td>
<td>059</td>
</tr>
<tr>
<td>Spain</td>
<td>034</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**System Control Timers**

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**

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.
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System Options 2
The function of each option is described as follows:

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.

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.

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.

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.

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.

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.

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.

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
The function of each option is described as follows:

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.

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.

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.

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.

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.

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.

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.

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**
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**
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:

1. **Not Used**
   - The Auxiliary Input is not monitored.
The function of each option is described as follows:

**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.

**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.

**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.

**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.

**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 standby battery to power the system for 1 minute.
Off: Control Timer 4 behaves as normal.

**Miscellaneous Options 2**

The function of each option is described as follows:

**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.

**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).

**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.

**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.

**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.

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.

**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.

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.

**Invert Auxiliary Input Operation**
On: The operation of the auxiliary input is inverted and operates as shown in the table below:

<table>
<thead>
<tr>
<th>Inverted</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aux Tamper</td>
<td>Normally Open</td>
</tr>
<tr>
<td>Remote Reset</td>
<td>Remove 0V to reset</td>
</tr>
<tr>
<td>Phone Line Monitor</td>
<td>Remove 0V for Line Fault</td>
</tr>
<tr>
<td>Audible PA</td>
<td>Normally Open</td>
</tr>
<tr>
<td>Silent PA</td>
<td>Normally Open</td>
</tr>
<tr>
<td>Latched Keyswitch</td>
<td>Apply 0V to Arm</td>
</tr>
<tr>
<td>Momentary Keyswitch</td>
<td>0V to Removed to change</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Normal</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aux Tamper</td>
<td>Normally Closed</td>
</tr>
<tr>
<td>Remote Reset</td>
<td>Apply 0V to reset</td>
</tr>
<tr>
<td>Phone Line Monitor</td>
<td>Apply 0V for Line Fault</td>
</tr>
<tr>
<td>Audible PA</td>
<td>Normally Closed</td>
</tr>
<tr>
<td>Silent PA</td>
<td>Normally Closed</td>
</tr>
<tr>
<td>Latched Keyswitch</td>
<td>Apply 0V to Disarm</td>
</tr>
<tr>
<td>Momentary Keyswitch</td>
<td>Removed to 0V to change</td>
</tr>
</tbody>
</table>

**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.
Programming the Control Panel

Premier 412/816/832 Installation Manual

Miscellaneous Options 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

The function of each option is described as follows:

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.

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

7. User Code Entry
   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

Keypad Options 1

- **Enter Engineers code**: 12345678
  - Then press 0 to select ALL

Keypad Options 2

- **Enter Keypad No.**: 0
  - Use keys 1-8 to select/deselect Options. Then press 0 or 0

Keypad Options 3

- **Enter Keypad No.**: 1
  - Use keys 1-8 to select/deselect Options. Then press 0 or 0

Keypad Options 4

- **Enter Keypad No.**: 2
  - Use keys 1-8 to select/deselect Options. Then press 0 or 0

LED Key Options

- **Off**
- **On**
- **Slow Flash**
- **Fast Flash**

Keypad Options 1

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

Keypad Options 2

- Code Tamper Causes a Tamper Alarm
- Keypad Activation of Fire Alarm
- Keypad Activation of Medical Alarm
- Keypad Activation of PA Alarm
- Keypad PAR Alarm is Silent
- Quick Arm with Keypad ARM Key
- Quick Disarm with Keypad DISARM Key
- Quick Bypass with Keypad BYPASS Key

Keypad Options 3

- Fire Alarm Tones from Keypad
- Burglary Alarm Tones from Keypad
- Service Tones from Keypad
- Acceptance Tones from Keypad
- Error Tones from Keypad
- Chime Tones from Keypad
- Entry Tones from Keypad
- Exit Tones from Keypad

Keypad Options 4

- Enable Keypad Zones
- Disable Keypad LID Tamper
- Zone Shift by 4
- Zone Shift by 8
- Zone Shift by 16
Keypad Options 1

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**
   - **On**: The selected keypad is assigned to Partition 3.
   - **Off**: The selected keypad is not assigned to Partition 3.

4. **Partition 4 Operation**
   - **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

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 lockout the keypad for 5 minutes.

2. **Keypad Activation of Fire Alarm**
   - **On**: The selected keypad will generate an emergency Fire alarm if keys 4 and 6 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 8 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.

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

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.
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
4
3
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:

<table>
<thead>
<tr>
<th>Keypad</th>
<th>Premier 412</th>
<th>Premier 816/832</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Zones 05 &amp; 06</td>
<td>Zones 09 &amp; 10</td>
</tr>
<tr>
<td>2</td>
<td>Zones 07 &amp; 08</td>
<td>Zones 11 &amp; 12</td>
</tr>
<tr>
<td>3</td>
<td>Zones 09 &amp; 10</td>
<td>Zones 13 &amp; 14</td>
</tr>
<tr>
<td>4</td>
<td>Zones 11 &amp; 12</td>
<td>Zones 15 &amp; 16</td>
</tr>
<tr>
<td>5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

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.

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:
- Zone Shift by 4 (Disabled)
- Zone Shift by 8 (Disabled)
- Zone Shift by 16 (Disabled)

Remote Keypad 2 (Partition 2)
Keypad Options 4:
- Zone Shift by 4 (Disabled)
- Zone Shift by 8 (Enabled)
- Zone Shift by 16 (Enabled)
# Programming Remote Expanders

## Expander Partitions

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

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

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

Panel Outputs
Enter Output No?

Panel Outputs System Type

Enter Output Group \(\Omega\) - \(\Omega\)

Panel OutputsCourtesy

Enter Output type for the selected Group \(\Omega\)
LCD: Use \(\Omega\) to scroll type then press \(\Omega\)

Panel Outputs

Use keys \(\Omega\) - \(\Omega\) to select/ deselect Attributes
Then press \(\Omega\) or \(\Omega\)

Fast Format/Speech Channels

Enter Output Data

Enter Channel Number \(\Omega\) - \(\Omega\)

Follow procedure for Panel Outputs (Menu 60)

Expander 1 Outputs

Enter Output No?

Enter Output Number \(\Omega\) - \(\Omega\)

Follow procedure for Panel Outputs (Menu 60)

Expander 2 Outputs

Enter Output No?

Enter Output Number \(\Omega\) - \(\Omega\)

Follow procedure for Panel Outputs (Menu 60)

Only available on the Premier 832

Output Group
- Not Used
- System
- Partition
- Zone

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.

Output Attributes
- Partition 1
- Partition 2
- Partition 3 (Premier 816/832 Only)
- Partition 4 (Premier 816/832 Only)
- User Test
- Inverted
- Latching
- Pulled

Led Key
- Off
- On
- Slow Flash
- Fast Flash
From Previous Page

### Programming the Control Panel

#### Expander 3 Outputs

- **Enter Output Number:** (1) - (2)

#### Keypad Outputs

- **Enter Output Number:** (1) - (2)

### System Output Types

- Courtesy
- S successful Transmission
- Log 80% Full
- Program Mode Selected
- Download In Progress
- Time Arming Countdown
- Zone Soak Test Failed
- Latched AC Fail
- Telephone Line Fault
- Smoke Alarm
- Box/Auxiliary Tamper
- Date Time Loss
- Zone Service/Tamper
- Keypad Tamper/Removed
- System Service
- Output 1 Fault
- Output 2 Fault
- Speaker Fault
- Smoke Sensor Fault
- Auxiliary Fuse Fault
- Latched Battery Fault
- Service Required/Test Fail
- Fail To Communicate
- Control Timer 1 Active
- Control Timer 2 Active
- Control Timer 3 Active
- Control Timer 4 Active
- PC Output 1
- PC Output 2
- Wack Test
- Confirmed Alarm
- ARC2 Active
- Zones Locked-Out
- AC Fail
- Battery Fail
- Poll Timer

### Partition Output Types

- PA Alarm
- Drought Alarm
- Burglar Alarm
- Medical Alarm
- 24Hr - Water Alarm
- 24Hr - Gas Alarm
- 24Hr - Low Temp Alarm
- 24Hr - High Temp Alarm
- Tamper
- Smoke Sensor
- Fire
- Trouble/Tamper
- Bell
- Smoke
- Entry
- Exit
- Armed
- Away Armed
- Ready
- Ready Sus
- Sensor Reset on Exit
- Sensor Reset on Repeat
- Single Pulse on Arming
- Double Pulse on Arming
- Chime
- Door Strike
- Cross Zone Time Active
- Single Pulse on Disarming
- Reset Required
- Acknowledgement Required
- Confirm Alarm
- Alarm Aborted
- Away Armed
- Away Armed/Exit
- Detector Latch
- Armed/Alarm
- Alarm Failed
- All Armed

### Zone Output Types

- Zone 01 Mimic
- Zone 01 Alarm
- Zone 02 Mimic
- Zone 02 Alarm
- Zone 03 Mimic
- Zone 03 Alarm
- Zone 04 Mimic
- Zone 04 Alarm
- Zone 05 Mimic
- Zone 05 Alarm
- Zone 06 Mimic
- Zone 06 Alarm
- Zone 07 Mimic
- Zone 07 Alarm
- Zone 08 Mimic
- Zone 08 Alarm
- Zone 09 Mimic
- Zone 09 Alarm
- Zone 10 Mimic
- Zone 10 Alarm
- Zone 11 Mimic
- Zone 11 Alarm
- Zone 12 Mimic
- Zone 12 Alarm
- Zone 13 Mimic
- Zone 13 Alarm
- Zone 14 Mimic
- Zone 14 Alarm
- Zone 15 Mimic
- Zone 15 Alarm
- Zone 16 Mimic
- Zone 16 Alarm
- Zone 17 Mimic
- Zone 17 Alarm
- Zone 18 Mimic
- Zone 18 Alarm
- Zone 19 Mimic
- Zone 19 Alarm
- Zone 20 Mimic
- Zone 20 Alarm
- Zone 21 Mimic
- Zone 21 Alarm
- Zone 22 Mimic
- Zone 22 Alarm
- Zone 23 Mimic
- Zone 23 Alarm
- Zone 24 Mimic
- Zone 24 Alarm
- Zone 25 Mimic
- Zone 25 Alarm
- Zone 26 Mimic
- Zone 26 Alarm
- Zone 27 Mimic
- Zone 27 Alarm
- Zone 28 Mimic
- Zone 28 Alarm
- Zone 29 Mimic
- Zone 29 Alarm
- Zone 30 Mimic
- Zone 30 Alarm
- Zone 31 Mimic
- Zone 31 Alarm
- Zone 32 Mimic
- Zone 32 Alarm
Panel Outputs
This menu option allows you to program the eight control panel outputs.

Fast Format/Speech Channels
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
The Premier 8X remote expander has two programmable outputs. This menu option allows you to program the outputs of expander 1.

Expander 2 Outputs
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
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
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:

**6 0** 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).

**6 1** Successful Transmission
This output type activates after the communicator has successfully reported to the alarm receiving centre.

**6 2** 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.

**6 3** Program Mode Selected
This output type activates when the program mode is selected.

**6 4** Download in Progress
This output type activates when a Download is in progress.

**6 5** Timed Arming Countdown
This output type activates when the system initiates a timed arm.

**6 6** Zone Soak Test Active
This output type activates when any zone is enabled for soak test.

**6 7** Zone Soak Test Failed
This output type activates if any zone fails during a zone soak test.

**6 8** Latched AC Fail
This output type activates when the mains supply is disconnected.

**6 9** Telephone Line Fault
This output type activates when the communicator detects a telephone line fault.

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

**6 B** Box/Auxiliary Tamper Alarm
This output type activates when the box tamper or the Auxiliary Input (Tamper) on the main panel causes an alarm.

**6 C** 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.

**6 D** Zone Trouble/Tamper
This output type activates when any zone is in trouble or tamper.

**6 E** Keypad Tamper/Removed
This output type activates when a keypad is either disconnected or its box tamper causes an alarm.

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

**6 G** Output 1 Fault
This output type activates when Panel Output 1 detects a fault.

**6 H** Output 2 Fault
This output type activates when Panel Output 2 detects a fault.

**6 I** Siren/Bell Fault
This output type activates when Siren Output detects a fault.

**6 J** Smoke Sensor Fault
This output type activates when a 2-wire smoke detector connected to Panel Output 1 causes a fault.

**6 K** Auxiliary Fuse Fault
This output type activates when the Auxiliary fuse is ruptured.

**6 L** Latched Battery Fault
This output type activates when the Auxiliary fuse is ruptured.

**6 M** Service Required/Test Fail
This output type activates when a Service Required fault exists or the system has failed zone soak test.

**6 N** Fail to Communicate
This output type activates after the communicator has failed to report to the alarm receiving centre.

**6 O** Control Timer 1 Active
This output type activates when Control Timer 1 is active.

**6 P** Control Timer 2 Active
This output type activates when Control Timer 2 is active.

**6 Q** Control Timer 3 Active
This output type activates when Control Timer 3 is active.

**6 R** Control Timer 4 Active
This output type activates when Control Timer 4 is active.

**6 S** PC Output 1
The remote Downloading computer controls this output type.

**6 T** PC Output 2
The remote Downloading computer controls this output type.
Walk Test
This output type activates when the user selects the Zone Test option (menu 90).

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

ARC 2 Active
This output type activates when the panel is communicating to ARC2.

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

AC Fail
This output type activates when the mains supply is disconnected.

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

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:

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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

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

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

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

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

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

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

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

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

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

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

Single Pulse on Arming
This output type activates for 2 seconds when the selected Partition is armed.
Double Pulse on Arming
This output type activates twice (2 seconds on) when the selected Partition is armed.

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

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

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.

Single Pulse on Disarming
This output type activates for 2 seconds when the selected Partition is disarmed.

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

Acknowledgement Required
This output type activates when a Service Fault requires acknowledgement.

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

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).

Away Armed
This output type activates when the partition is “Away Armed”.

Away Armed/Exit
This output type activates when the partition is in exit mode (Away arming) and when the partition is “Away Armed”.

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

Arm/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.

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

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

Zone Output Types
This group contains the zone output types as listed below:

Zone 01 - 32 Mimic
This output type activates when Zone XX is violated and deactivates when the zone is secure.

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:

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

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

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.

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.

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.

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

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

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

Note

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

Communicator Options

- Enable On-Board Communicator
- Enable DTMF Dialling
- Switch to Pulse Dialling after 3rd Attempt
- Enable European Pulse Dialling
- Enable Auto Test Transmission
- Enable Cancel Call Waiting
- Enable Backup to Alarm Receiving Centre
- Enable Blind Dialling

Alarm Receiving Centre 1 Menu

Enter Engineers code
Then press (4) then (3)

Alarm Receiving Centre 2 Menu

Enter Option (0) - (8)

Primary Tel No

PRI No.

Enter Telephone Number
Then press (4) or (5)

LED: To display Telephone Number press (9)

Secondary Tel No

SEC No.

Enter Telephone Number
Then press (4) or (5)

LED: To display Telephone Number press (9)

Account No 1

ACC No1

Enter Account Number 1
Then press (4) or (5)

LED: To display Account Number press (9)

Account No 2/3/4

ACC No2

Enter Account Number 2/3/4
Then press (4) or (5)

LED: To display Account Number press (9)

Note

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

Communicator Options

Use keys (0) - (8) to select/deselect Options. Then press (4) or (5)

Use the following keys to insert special characters:
- (0) = *
- (1) = #
- (2) = +
- (3) = (3 Second pause)
- (4) = (10 Second pause)
- (5) = D (Wait for dial tone)
- (6) = (Dial next number)

Use the following keys to insert hexadec imal characters:
- (0) = 0
- (1) = A
- (2) = B
- (3) = C
- (4) = D
- (5) = E
- (6) = F
Protocol Type

- Enter Protocol type (0-7) - Use (0) to scroll type then press (7)

Dial Attempts

- Enter Value (0-7) - Use (0) to scroll value then press (7)

Reporting Partitions

- Use keys (0-7) to select/deselect Options. Then press (7) or (0)

Reporting Events

- Use keys (0-7) to select/deselect Options. Then press (7) or (0)

Pulse Format Options

- Use keys (0-7) to select/deselect Options. Then press (7) or (0)

Fast Format Reporting

- Use keys (0-7) to select/deselect Options. Then press (7) or (0)

Protocol Options

- Use keys (0-7) to select/deselect Options. Then press (7) or (0)
**Communicator Options**

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.

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.

5. **Enable Auto Test Transmission**
   - **On:** The communicator will send a periodic test transmission to the Alarm Receiving Centre.
   - **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**

The ARC 1 Communicator Menu has the following options:

- **Primary and Secondary Telephone Numbers**
- **Account Numbers**
- **Protocol Type**
- **Dial Attempts**
- **Partition Options**
- **Reporting Options**
- **Pulse Format Options**
- **Fast Format Reporting Channels**
- **Protocol Options**

**Telephone Numbers**

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 [0]** to insert a “*”.
- **Press [1]** to insert a “#”.
- **Press [2]** to insert a “,” (3 second pause).
- **Press [3]** to insert a “W” (10 second pause).
- **Press [4]** to insert a “D” (Wait for dial tone).
- **Press [5]** to insert a “+” (Force dials next number).

### Account Numbers

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. Separate partition account numbers can be selected by pressing the [1] key. When entering the account number the following keys can be used to insert hexadecimal characters:

- **Press [2]** to insert a “B”.
- **Press [3]** to insert a “C”.
- **Press [4]** to insert a “D”.
- **Press [5]** to insert an “E”.
- **Press [6]** to insert a “F”.
- **Press [7]** to insert a “A”.

### Protocol Type

This is the reporting protocol that is used to communicate with Alarm Receiving Centre 1. The following protocols are supported:

- **Disabled**
  Communication disabled.

- **Pulse Format**
  The panel will communicate with Alarm Receiving Centre 1 using Pulse Format. See page 62 for details on configuring reporting codes.

- **Express Format**
  The panel will communicate with Alarm Receiving Centre 1 using Express Format. See page 62 for details on configuring reporting codes.

- **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 type, see Program Outputs on page 47.

- **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.

- **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.

### 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.

### 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

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

The Partition Options are described as follows:

- **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.

- **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.
Programming the Control Panel

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.

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
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
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:

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Zone Lights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ademco Slow 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Ademco Slow 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>Ademco Fast 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Ademco Fast 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>Silent Knight Fast 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Silent Knight Fast 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>FBI (No Parity) 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>FBI (Parity) 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Franklin 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Franklin 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>Radionics 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Radionics (Parity) 3x1/4x1</td>
<td></td>
</tr>
<tr>
<td>Radionics 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>Radionics (Parity) 3x2/4x2</td>
<td></td>
</tr>
<tr>
<td>Sescoa</td>
<td></td>
</tr>
<tr>
<td>Sescoa Super Fast</td>
<td></td>
</tr>
</tbody>
</table>

✓ ✓ = Zone Light On

Fast Format Reporting Channels
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 Channel 1
   On: Channel 1 is reported.
   Off: Channel 1 is not reported.

2. Report Fast Format Channel 2
   On: Channel 2 is reported.
The Protocol Options are described as follows:

**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.

**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 account 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.

**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.

**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).

**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.

**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).

**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.

**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**

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 Restore Channels**

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.

**Report Restore on Channel 1**

On: Restore reported on channel 1.

Off: Restore not reported on channel 1.

**Report Restore on Channel 2**

On: Restore reported on channel 2.

Off: Restore not reported on channel 2.

**Report Restore on Channel 3**

On: Restore reported on channel 3.

Off: Restore not reported on channel 3.
Programming the Control Panel

Report Restore on Channel 4
On: Restore reported on channel 4.
Off: Restore not reported on channel 4.

Report Restore on Channel 5
On: Restore reported on channel 5.
Off: Restore not reported on channel 5.

Report Restore on Channel 6
On: Restore reported on channel 6.
Off: Restore not reported on channel 6.

Report Restore on Channel 7
On: Restore reported on channel 7.
Off: Restore not reported on channel 7.

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

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.

Report Open/Close on Channel 1
On: Open/Close reported on channel 1.
Off: Open/Close not reported on channel 1.

Report Open/Close on Channel 2
On: Open/Close reported on channel 2.
Off: Open/Close not reported on channel 2.

Report Open/Close on Channel 3
On: Open/Close reported on channel 3.
Off: Open/Close not reported on channel 3.

Report Open/Close on Channel 4
On: Open/Close reported on channel 4.
Off: Open/Close not reported on channel 4.

Report Open/Close on Channel 5
On: Open/Close reported on channel 5.
Off: Open/Close not reported on channel 5.

Report Open/Close on Channel 6
On: Open/Close reported on channel 6.
Off: Open/Close not reported on channel 6.

Report Open/Close on Channel 7
On: Open/Close reported on channel 7.
Off: Open/Close not reported on channel 7.

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.

Cancel Call Waiting Sequence

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:

<table>
<thead>
<tr>
<th>Protocol</th>
<th>0 - Telephone No</th>
<th>1 - Account No</th>
<th>2 - Protocol Type</th>
<th>3 - Dial Attempts</th>
<th>4 - Partition Options</th>
<th>5 - Reporting Options</th>
<th>6 - Pulse Format Options</th>
<th>7 - Fast Format Channels</th>
<th>73 - Fast Format Restore Channels</th>
<th>74 - Fast Format Open/Close Channels</th>
<th>Notes</th>
</tr>
</thead>
</table>
| 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  and (3)

Programing Menu
Enter Code > ??

Download Menu
Enter Option 0-8

Download Options
0
Use keys (3) - (6) to select/deselect Options. Then press (2) or (6)

Call-Back Number
1
Enter Telephone Number Then press (2) or (6)
LED: To display Telephone Number press (6)

UDL Passcode
2
Enter Passcode Then press (2) or (6)
LED: To display Telephone Number press (6)

Call-Back Attempts
3
Enter Value (3) - (6)
LCD: Use (3) to scroll value then press (6).

Ring Count
4
Enter Value (3) - (6)
LCD: Use (3) to scroll value then press (6).

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

Download Options
1. Enable Attended Download
2. Enable Unattended Call Back
3. Enable 2-Call Answer Phone Delay
4. Restrict Download when Armed
5. Download when Part Armed
6. Disconnect Telephone Line

Led Key
- Off
- On
- Slow Flash
- Fast Flash

Call-Back Number
Enter Telephone Number Then press (2) or (6)
LED: To display Telephone Number press (6)

UDL Passcode
Enter Passcode Then press (2) or (6)
LED: To display Telephone Number press (6)

Call-Back Attempts
Enter Value (3) - (6)
LCD: Use (3) to scroll value then press (6).

Ring Count
Enter Value (3) - (6)
LCD: Use (3) to scroll value then press (6).

Continues on Next Page
Device Types
1. PC-Com/US-Com
2. RadioPlus
3. ComIP Module
4. WebWay One/Emizon Module
5. Chiron Module

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:
192 168 000 010 000 980

Note
The ComIP Gateway address MUST be entered as a 12 digit sequence, e.g., if the Gateway address is 192.168.0.11, then it should be entered as:
192 168 000 001

Chiron Iris Setup
Access PT Name
User Name
Password
Download Menu

The Download Menu has the following options:

- Download Options
- Download Telephone Number
- UDL Passcode
- Call Back Attempts
- Ring Count
- Com1 Device Type
- ComIP Address & Port
- ComIP Gateway address
- ComIP Subnet Mask
- Com 2 Device Type
- Chiron Data Setup

Download Options

The system has the following Download options:

- 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.

- 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.

- 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.

- 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.

- 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.

- 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.

- 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: 192.168.0.10:980. 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
  - 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
  - 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
  - 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.

  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
  - 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
  - This option allows you to specify which module is connected to communication port Com1. The control panel will accept the following modules:
IP Address & Port
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 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
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: 192 168 000 001.

ComIP Subnet Mask
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:

<table>
<thead>
<tr>
<th>Value</th>
<th>Subnet Mask</th>
<th>Value</th>
<th>Subnet Mask</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>255.255.255.254</td>
<td>013</td>
<td>255.255.224.0</td>
</tr>
<tr>
<td>002</td>
<td>255.255.255.252</td>
<td>014</td>
<td>255.255.192.0</td>
</tr>
<tr>
<td>003</td>
<td>255.255.255.248</td>
<td>015</td>
<td>255.255.128.0</td>
</tr>
<tr>
<td>004</td>
<td>255.255.255.240</td>
<td>016</td>
<td>255.255.0.0</td>
</tr>
<tr>
<td>005</td>
<td>255.255.255.224</td>
<td>017</td>
<td>255.254.0.0</td>
</tr>
<tr>
<td>006</td>
<td>255.255.255.192</td>
<td>018</td>
<td>255.252.0.0</td>
</tr>
<tr>
<td>007</td>
<td>255.255.255.128</td>
<td>019</td>
<td>255.248.0.0</td>
</tr>
<tr>
<td>008</td>
<td>255.255.255.0</td>
<td>020</td>
<td>255.240.0.0</td>
</tr>
<tr>
<td>009</td>
<td>255.255.254.0</td>
<td>021</td>
<td>255.224.0.0</td>
</tr>
<tr>
<td>010</td>
<td>255.255.252.0</td>
<td>022</td>
<td>255.192.0.0</td>
</tr>
<tr>
<td>011</td>
<td>255.255.248.0</td>
<td>023</td>
<td>255.128.0.0</td>
</tr>
<tr>
<td>012</td>
<td>255.255.240.0</td>
<td>024</td>
<td>255.0.0.0</td>
</tr>
</tbody>
</table>

Com2 Device Type
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
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.

Access Point Name
This is the GPRS Access Point Name. It’s value can be viewed by pressing the No key or its value can be edited by pressing the % 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.

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.

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

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

**Zone Alarm/Restore Codes**

Enter Engineers code then press 

Program 9 Menu Enter Code > ??

**Zone Bypass/Unbypass Codes**

Enter Engineers code then press 

Enter Event No: ???

**Non Zone Alarm/Restore Codes**

Enter Engineers code then press 

Enter Event No: ???

---

### Zone Alarm/Restore Event Numbers

<table>
<thead>
<tr>
<th>No</th>
<th>Event Type</th>
<th>No</th>
<th>Event Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Zone 01 Alarm</td>
<td>16</td>
<td>Zone 09 Alarm</td>
</tr>
<tr>
<td>01</td>
<td>Zone 01 Restore</td>
<td>17</td>
<td>Zone 09 Restore</td>
</tr>
<tr>
<td>02</td>
<td>Zone 02 Alarm</td>
<td>18</td>
<td>Zone 10 Alarm</td>
</tr>
<tr>
<td>03</td>
<td>Zone 02 Restore</td>
<td>19</td>
<td>Zone 10 Restore</td>
</tr>
<tr>
<td>04</td>
<td>Zone 03 Alarm</td>
<td>20</td>
<td>Zone 11 Alarm</td>
</tr>
<tr>
<td>05</td>
<td>Zone 03 Restore</td>
<td>21</td>
<td>Zone 11 Restore</td>
</tr>
<tr>
<td>06</td>
<td>Zone 04 Alarm</td>
<td>22</td>
<td>Zone 12 Alarm</td>
</tr>
<tr>
<td>07</td>
<td>Zone 04 Restore</td>
<td>23</td>
<td>Zone 12 Restore</td>
</tr>
<tr>
<td>08</td>
<td>Zone 05 Alarm</td>
<td>24</td>
<td>Zone 13 Alarm</td>
</tr>
<tr>
<td>09</td>
<td>Zone 05 Restore</td>
<td>25</td>
<td>Zone 13 Restore</td>
</tr>
<tr>
<td>10</td>
<td>Zone 06 Alarm</td>
<td>26</td>
<td>Zone 14 Alarm</td>
</tr>
<tr>
<td>11</td>
<td>Zone 06 Restore</td>
<td>27</td>
<td>Zone 14 Restore</td>
</tr>
<tr>
<td>12</td>
<td>Zone 07 Alarm</td>
<td>28</td>
<td>Zone 15 Alarm</td>
</tr>
<tr>
<td>13</td>
<td>Zone 07 Restore</td>
<td>29</td>
<td>Zone 15 Restore</td>
</tr>
<tr>
<td>14</td>
<td>Zone 08 Alarm</td>
<td>30</td>
<td>Zone 16 Alarm</td>
</tr>
<tr>
<td>15</td>
<td>Zone 08 Restore</td>
<td>31</td>
<td>Zone 16 Restore</td>
</tr>
</tbody>
</table>

---

### Zone Bypass/Unbypass Event Numbers

<table>
<thead>
<tr>
<th>No</th>
<th>Event Type</th>
<th>No</th>
<th>Event Type</th>
<th>No</th>
<th>Event Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Zone 01 Bypass</td>
<td>16</td>
<td>Zone 09 Bypass</td>
<td>26</td>
<td>Zone 14 Bypass</td>
</tr>
<tr>
<td>01</td>
<td>Zone 01 Unbypass</td>
<td>17</td>
<td>Zone 09 Unbypass</td>
<td>27</td>
<td>Zone 14 Unbypass</td>
</tr>
<tr>
<td>02</td>
<td>Zone 02 Bypass</td>
<td>18</td>
<td>Zone 10 Bypass</td>
<td>28</td>
<td>Zone 15 Bypass</td>
</tr>
<tr>
<td>03</td>
<td>Zone 02 Unbypass</td>
<td>19</td>
<td>Zone 10 Unbypass</td>
<td>29</td>
<td>Zone 15 Unbypass</td>
</tr>
<tr>
<td>04</td>
<td>Zone 03 Bypass</td>
<td>20</td>
<td>Zone 11 Bypass</td>
<td>30</td>
<td>Zone 16 Bypass</td>
</tr>
<tr>
<td>05</td>
<td>Zone 03 Unbypass</td>
<td>21</td>
<td>Zone 11 Unbypass</td>
<td>31</td>
<td>Zone 16 Unbypass</td>
</tr>
<tr>
<td>06</td>
<td>Zone 04 Bypass</td>
<td>22</td>
<td>Zone 12 Bypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>Zone 04 Unbypass</td>
<td>23</td>
<td>Zone 12 Unbypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Zone 05 Bypass</td>
<td>24</td>
<td>Zone 13 Bypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>Zone 05 Unbypass</td>
<td>25</td>
<td>Zone 13 Unbypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Zone 06 Bypass</td>
<td>26</td>
<td>Zone 14 Bypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Zone 06 Unbypass</td>
<td>27</td>
<td>Zone 14 Unbypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Zone 07 Bypass</td>
<td>28</td>
<td>Zone 15 Bypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Zone 07 Unbypass</td>
<td>29</td>
<td>Zone 15 Unbypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Zone 08 Bypass</td>
<td>30</td>
<td>Zone 16 Bypass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Zone 08 Unbypass</td>
<td>31</td>
<td>Zone 16 Unbypass</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Event Codes**

- None
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- A (0)
- B
- C
- D
- E
- F

---

**Led Key**

- Off
- On
- Slow Flash
- Fast Flash
**Zone Alarm/Restore Codes**

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.

To disable the zone from reporting an event, program the first and second digit as 00.

**Zone Bypass/Unbypass Codes**

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.

To disable the zone from reporting an event, program the first and second digit as 00.

**Non Zone Alarm/Restore Codes**

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.

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:

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Alarm Event No</th>
<th>Restore Event No</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Fail</td>
<td>00</td>
<td>01</td>
</tr>
<tr>
<td>Low Battery</td>
<td>02</td>
<td>03</td>
</tr>
<tr>
<td>Telephone Line Fault</td>
<td>04</td>
<td>05</td>
</tr>
<tr>
<td>Fail to Communicate</td>
<td>06</td>
<td>07</td>
</tr>
<tr>
<td>Open/Close</td>
<td>08</td>
<td>09</td>
</tr>
<tr>
<td>Recent Closing</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Auto Open/Close</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>Auto Arm Deferred</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Remote Open/Close</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>Quick Arm</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>Open After Alarm (Cancel)</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>Download Start</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>Download End</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Group Bypass/Unbypass</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>Log Capacity Alert (80%)</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>Keypad Lockout</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>Code Tamper Alarm</td>
<td>32</td>
<td>33</td>
</tr>
<tr>
<td>Manual Test Transmission</td>
<td>34</td>
<td>35</td>
</tr>
<tr>
<td>Automatic Test Transmission</td>
<td>36</td>
<td>37</td>
</tr>
<tr>
<td>User Zone Test Start/End</td>
<td>38</td>
<td>39</td>
</tr>
<tr>
<td>Auxiliary Power Fail/Restore</td>
<td>40</td>
<td>41</td>
</tr>
<tr>
<td>Bell Output Fault/Restore</td>
<td>42</td>
<td>43</td>
</tr>
<tr>
<td>Installer Programming Start</td>
<td>44</td>
<td>45</td>
</tr>
<tr>
<td>Installer Programming End</td>
<td>46</td>
<td>47</td>
</tr>
<tr>
<td>Exit Error</td>
<td>48</td>
<td>49</td>
</tr>
<tr>
<td>Verified Cross Zone Alarm</td>
<td>50</td>
<td>51</td>
</tr>
<tr>
<td>Soak Test</td>
<td>52</td>
<td>53</td>
</tr>
<tr>
<td>Fire Zone Trouble</td>
<td>54</td>
<td>55</td>
</tr>
<tr>
<td>System Power Up</td>
<td>56</td>
<td>57</td>
</tr>
<tr>
<td>Swinger Shutdown</td>
<td>58</td>
<td>59</td>
</tr>
<tr>
<td>User Code</td>
<td>60</td>
<td>61</td>
</tr>
<tr>
<td>Exit Started</td>
<td>62</td>
<td>63</td>
</tr>
<tr>
<td>Entry Started</td>
<td>64</td>
<td>65</td>
</tr>
<tr>
<td>Bell Active</td>
<td>66</td>
<td>67</td>
</tr>
<tr>
<td>Alarm Active</td>
<td>68</td>
<td>69</td>
</tr>
<tr>
<td>Keypad Tamper</td>
<td>70</td>
<td>71</td>
</tr>
<tr>
<td>Keypad Medical</td>
<td>72</td>
<td>73</td>
</tr>
<tr>
<td>Keypad Fire/2-Wire Smoke</td>
<td>74</td>
<td>75</td>
</tr>
<tr>
<td>Duress Code Alarm</td>
<td>76</td>
<td>77</td>
</tr>
<tr>
<td>Keypad Silent PA</td>
<td>78</td>
<td>79</td>
</tr>
<tr>
<td>Keypad Audible PA/Auxiliary PA</td>
<td>80</td>
<td>81</td>
</tr>
<tr>
<td>Box Tamper</td>
<td>82</td>
<td>83</td>
</tr>
<tr>
<td>Zone Tamper</td>
<td>84</td>
<td>85</td>
</tr>
<tr>
<td>Zone Trouble</td>
<td>86</td>
<td>87</td>
</tr>
<tr>
<td>Expander/Remote Trouble</td>
<td>88</td>
<td>89</td>
</tr>
<tr>
<td>Auxiliary Tamper Input</td>
<td>90</td>
<td>91</td>
</tr>
<tr>
<td>Date Changed</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>Time Changed</td>
<td>94</td>
<td>95</td>
</tr>
<tr>
<td>System Reset</td>
<td>96</td>
<td>97</td>
</tr>
<tr>
<td>Remote Control</td>
<td>98</td>
<td>99</td>
</tr>
</tbody>
</table>

**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

Program User

Program User 00
Enter User No.??

Program User 03
Enter User No.??

User Options 1
Enter User Number

User Options 2
Enter User Number

User Options 3
Enter User Number

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

1. Enable One Time Use Access Code
2. Enable 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

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

Led Key
- Off
- On
- Slow Flash
- Fast Flash

Continue on Next Page
Program Standard Users

Enter User Number

Enter Code

Re-enter New Code

Delete User

Enter User Number

Press

Assign Radio Fob

Enter User Number

Press button on the Fob (Disarm for RadioPlus)
Program User
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 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**
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.

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**
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.

4. **Allow Global Bell/Sounder Silence**
   On: The panel will always send an open signal after an alarm even if this option is disabled.

5. **Enable Close Reporting**
   On: The system will report a ‘Close’ condition to the monitoring station when the Access code is used to disarm one or more partitions.
   Off: The system will not report a ‘Close’ condition.

6. **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.

7. **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.

8. **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.

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
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:

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.

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.

Allow Engineer Programming
On: The Access code can access the Engineer programming
menus.
Off: The Access code cannot access the Engineer programming
menus.

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.

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.

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.

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.

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)
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
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
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

Programming Menu
Enter Code > ?

Enter Engineers code
Then press ? then ?

Walk Test
No Zones Tested
Activate Zones
Press ? to clear tested zones from display

Test Speakers & Outputs
Test System
Enter 1 to 5
Test System Active
Press ? to reset test

Send Test Call
Press ? or ? to start test.
The display shows the status of the test call.
Press ? to play message 1*
Press ? to play message 2*
Press ? to abort the call.
*Speech Module only.

Enable Remote/Engineer Access

Start Call Back

Program Time
Program Date

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Premier 412/816/832
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Walk Test
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.

Test Speakers & Outputs
This menu option allows you to perform the following tests:

- Test Speakers
- Test Bells
- Test Strobes
- Test System Outputs
- Test LCD Display

Send Test Call
This menu option 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.

Enable Remote/Engineer Access
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.

Start Call Back
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.

Program Time
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
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)
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 \( \equiv \) to move the cursor along).

Print 100 Events
This menu option allows the last 100 events in the system Event Log to be sent to the printer port (Com1).

Log Off Engineer
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:

<table>
<thead>
<tr>
<th>Zone 01 Active Front Door</th>
<th>Zone 04 Active Patio Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active zones are indicated by the relevant zone lights on LED Keypads</td>
<td>Active zones are scrolled in sequence on LCD keypads</td>
</tr>
</tbody>
</table>

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 interior detection zones assigned to your partition(s) will be bypassed. Before Away 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 Away arm the alarm system proceed as follows:
1. Enter Access code 0000
2. Press 0
3. Leave the premises, when the system has armed the exit tone will sound. The system is now Away armed.

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 0000
2. Press 0
3. The system is now Stay armed.

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 7 7 7 7

2. Press 3

3. Arming has been cancelled and the alarm system is now disarmed.

**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.

2. Enter Access code 7 7 7 7

3. The entry tone will stop and the Armed light will turn off. The alarm system is now disarmed.

**Disarming when not in Entry**

To disarm the alarm system when not in entry, proceed as follows:

1. Enter Access code 7 7 7 7

2. Press 3

3. The Armed light will turn off. The alarm system is now disarmed.

**Disarming after an Alarm**

To disarm the alarm system after an alarm, proceed as follows:

1. Enter Access code 7 7 7 7

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 7 7 7 7

2. Press 3

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 3 key until you hear the confirmation tone.

3. The Armed light will flash quickly. The system is Instant Stay armed.

If a valid Access code is not entered before the end of the entry delay, an alarm will occur.
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.
3. The Armed light will flash slowly.
   The system is Delayed Stay armed.

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
2. Press
3. The light will flash quickly.
   Ready
4. Press – to select/disselect partitions, e.g. Press to select Partition 1.
5. The selected partition(s) will arm immediately and the Armed light will flash.

**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
2. Press
3. The system is armed.

**Disarming Partitions**

This option allows you to disarm one or more partitions.

To disarm selected partitions, proceed as follows:

1. Enter Access code
2. Press
3. The light will flash quickly.
   Ready
4. Press
5. The selected partitions are disarmed.

If the Quick Arm feature is enabled (see page 42) you can omit step 1 from the above procedure.

**NOTE**

If the system is fitted with a Premier RKP16 Plus the Instant light will also illuminate.

**NOTE**

If the Quick Arm feature is enabled (see page 42) you can omit step 1 from the above procedure.
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 🔄

2. Enter partition 1, e.g. Press 🔄 to select Partition 2.

The remote keypad will now indicate information relevant to the selected partition.

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.

To manually bypass zones, proceed as follows:

1. Enter Access code 🔄

2. Press 🔄

3. The Ready light will flash quickly. Enter the zone number 🔄, e.g. Enter 🔄 to select Zone 2.

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

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 7777

   YES to Arm? MENU For Options

2. Enter bypass group 1 - 4 followed by a

   Bypass Zone> 00 Zone 03 Bypassed
   Bypass Zone> 00 Zone 04 Bypassed
   Bypass Zone> 05 Zone 03 Bypassed
   Bypass Zone> 05 Zone 04 Bypassed

   The keypad will display the bypassed zones.

3. If required, zones can be added or removed from the group by entering the required zone number 7777, e.g. Enter 85 to add Zone 5.

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

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 ◄

   Premier 816
   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.

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

2. Press Preview

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

2. Press Preview

3. The keypad will display the zones that caused an alarm when the system was last armed.

4. Press Preview 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

2. Press Preview

3. Press Preview or Preview to acknowledge the fault and return to the normal disarmed state.
View Service Faults

➢ Standing faults can be viewed as follows:

1. Press the (1) key followed by the (2) key.

The keypad will display any Service Faults (see tables).

On completion press the (3) key.

### Service Faults Displayed on LED Keypads

<table>
<thead>
<tr>
<th>Light</th>
<th>General Warnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press (Key 1) to view the warning, lights 1-5 will indicate the following:-</td>
</tr>
<tr>
<td></td>
<td>1 = AC Fail</td>
</tr>
<tr>
<td></td>
<td>2 = Arming Fob has Low Battery</td>
</tr>
<tr>
<td></td>
<td>3 = Soak Test Active</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light</th>
<th>Telephone Line Fault</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Box Tamper &amp; Auxiliary Input:</td>
</tr>
<tr>
<td></td>
<td>Press (4) to view type, lights 1-8 indicate:</td>
</tr>
<tr>
<td></td>
<td>1 = Box Tamper</td>
</tr>
<tr>
<td></td>
<td>2 = Auxiliary Tamper</td>
</tr>
<tr>
<td></td>
<td>3 = Auxiliary PA</td>
</tr>
<tr>
<td></td>
<td>4 = Auxiliary Tamper *</td>
</tr>
<tr>
<td></td>
<td>5 = Bell Tamper *</td>
</tr>
<tr>
<td></td>
<td>6 = Radio Plus Tamper</td>
</tr>
<tr>
<td></td>
<td>7 = Low Fob Battery</td>
</tr>
<tr>
<td></td>
<td>8 = User Code Tamper</td>
</tr>
<tr>
<td></td>
<td>* = UK Bell Module</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light</th>
<th>2-Wire Smoke Alarm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Box Tamper</td>
</tr>
<tr>
<td></td>
<td>Auxiliary Tamper (Aux Input)</td>
</tr>
<tr>
<td></td>
<td>Auxiliary Tamper (UK Bell Module)</td>
</tr>
<tr>
<td></td>
<td>Bell Tamper</td>
</tr>
<tr>
<td></td>
<td>Bell Tamper (UK Bell Module)</td>
</tr>
<tr>
<td></td>
<td>AUX VR Alarm</td>
</tr>
<tr>
<td></td>
<td>Auxiliary PA (Aux Input)</td>
</tr>
<tr>
<td></td>
<td>Date/Time Lost</td>
</tr>
<tr>
<td></td>
<td>Tamper Zone &gt; 01</td>
</tr>
<tr>
<td></td>
<td>Tamper Keypad &gt; 1</td>
</tr>
<tr>
<td></td>
<td>Keypad Tamper/Removed</td>
</tr>
<tr>
<td></td>
<td>Output 1 Fault</td>
</tr>
<tr>
<td></td>
<td>Output 2 Fault</td>
</tr>
<tr>
<td></td>
<td>Siren Fault</td>
</tr>
<tr>
<td></td>
<td>Smoke Sen. Fault</td>
</tr>
<tr>
<td></td>
<td>Aux. Fuse Fault</td>
</tr>
<tr>
<td></td>
<td>Battery Fault</td>
</tr>
<tr>
<td></td>
<td>Service Required</td>
</tr>
<tr>
<td></td>
<td>Coms Fault</td>
</tr>
</tbody>
</table>

### Service Faults Displayed on LCD Keypads

<table>
<thead>
<tr>
<th>LCD</th>
<th>Fault Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Fail</td>
<td>AC Fail</td>
</tr>
<tr>
<td>Soak Test Active</td>
<td>One or more zones on soak test</td>
</tr>
<tr>
<td>1 to continue arming 0 to exit arming</td>
<td></td>
</tr>
<tr>
<td>Arm Low Fob Bat?</td>
<td>Key fob has a low battery (Message above shown)</td>
</tr>
<tr>
<td>User Code Tamper</td>
<td>Shown after invalid user code attempts</td>
</tr>
<tr>
<td>Line Fault</td>
<td>Telephone Line Fault</td>
</tr>
<tr>
<td>Smoke Alarm (2W)</td>
<td>2-Wire Smoke Alarm</td>
</tr>
<tr>
<td>Box Aux Tamper</td>
<td>Box Tamper</td>
</tr>
<tr>
<td>Aux Tamper</td>
<td>Auxiliary Tamper (Aux Input)</td>
</tr>
<tr>
<td>Auxiliary Tamper</td>
<td>Auxiliary Tamper (UK Bell Module)</td>
</tr>
<tr>
<td>Bell Tamper</td>
<td>Bell Tamper (UK Bell Module)</td>
</tr>
<tr>
<td>AUX PR Alarm</td>
<td>Auxiliary PA (Aux Input)</td>
</tr>
<tr>
<td>Date/Time Loss</td>
<td>Date or Time Lost</td>
</tr>
<tr>
<td>Tamper Zone &gt; 01</td>
<td>Zone Tamper/Trouble</td>
</tr>
<tr>
<td>Tamper Keypad &gt; 1</td>
<td>Keypad Tamper/Removed</td>
</tr>
<tr>
<td>Output 1 Fault</td>
<td>Output 1 Fault</td>
</tr>
<tr>
<td>Output 2 Fault</td>
<td>Output 2 Fault</td>
</tr>
<tr>
<td>Siren Fault</td>
<td>Siren/Bell Fault</td>
</tr>
<tr>
<td>Smoke Sen. Fault</td>
<td>2-Wire Smoke Sensor Fault</td>
</tr>
<tr>
<td>Aux. Fuse Fault</td>
<td>Auxiliary Fuse Failed</td>
</tr>
<tr>
<td>Battery Fault</td>
<td>Battery Fault</td>
</tr>
<tr>
<td>Service Required</td>
<td>Service Timer/Zone Soak Test Failed</td>
</tr>
<tr>
<td>Coms Fault</td>
<td>Coms Fault or Fail To Communicate</td>
</tr>
</tbody>
</table>
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 77777

2. Press 1111

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 77777

2. Press 2222

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 77777

2. Press 3333

3. The keypad will bleep and the alarm system will abort all communications to the Alarm Receiving Centre.

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 77777

2. Press 4444

3. Press 5555

4. Press 6666

5. Press 7777

Abort Communications

This option aborts any communications to the Alarm Receiving Centre.

➢ To Abort Communications, proceed as follows:

1. Enter Access code 77777

2. Press 8888

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

<table>
<thead>
<tr>
<th>Current</th>
<th>Battery Arrangement</th>
<th>Battery Charge</th>
<th>Rated Output (Amps)</th>
<th>12h</th>
<th>24h</th>
<th>30h</th>
<th>60h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3A charge</td>
<td>1 x 7Ah</td>
<td>0.3A</td>
<td>0.241A</td>
<td>0.183A</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0A</td>
<td>1 x 7Ah</td>
<td>0.3A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.9A</td>
<td>1 x 17Ah</td>
<td>0.75A</td>
<td>1.0A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
<td></td>
</tr>
</tbody>
</table>

### Standby and Recharge Times

<table>
<thead>
<tr>
<th>ENS0131-1</th>
<th>Minimum Standby Period</th>
<th>Maximum Standby Time</th>
<th>Minimum Standby Period</th>
<th>Maximum Standby Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 1</td>
<td>12h</td>
<td>72 Hrs</td>
<td>Grade 2</td>
<td>12h</td>
</tr>
<tr>
<td>Grade 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Control Panel

- **Power Supply Type**: A
- **Rated Input**: 100V - 240V @ 50/60Hz; 1A
- **Rated Output Current @ 55°C**: 1.5A MAX
- **Rated Voltage**: 13.7Vdc +/- 2%
- **Mains Terminal Block Fuse**: 250Vac; 3-3.15A Slow/Medium Blow
- **Deep Discharge protection**: 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**
- **Battery**: One 12V 7.0Ah battery
- **Rated Output Voltage**: 13.0V to 13.9V
- **Rated Input**: 100V - 240V @50/60Hz; 1A
- **Rated Output Current@40°C**: 2.5A 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

### Jumper Settings

<table>
<thead>
<tr>
<th>Battery Arrangement</th>
<th>Recharge Time</th>
<th>Charge Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 7Ah</td>
<td>&lt; 24Hrs</td>
<td>0.3A</td>
</tr>
<tr>
<td>1 x 17Ah</td>
<td>&lt; 24Hrs</td>
<td>0.75A</td>
</tr>
<tr>
<td></td>
<td>&lt; 72Hrs</td>
<td>0.3A</td>
</tr>
</tbody>
</table>

## All Models Metal

<table>
<thead>
<tr>
<th>Current</th>
<th>Battery Arrangement</th>
<th>Battery Charge</th>
<th>Rated Output (Amps)</th>
<th>12h</th>
<th>24h</th>
<th>30h</th>
<th>60h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3A charge</td>
<td>1 x 7Ah</td>
<td>0.3A</td>
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<td>0.183A</td>
<td>X</td>
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</tr>
<tr>
<td>1.0A</td>
<td>1 x 7Ah</td>
<td>0.3A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.9A</td>
<td>1 x 17Ah</td>
<td>0.75A</td>
<td>1.0A</td>
<td>0.658A</td>
<td>0.516A</td>
<td>0.233A</td>
<td></td>
</tr>
</tbody>
</table>

### Standby and Recharge Times

<table>
<thead>
<tr>
<th>ENS0131-1</th>
<th>Minimum Standby Period</th>
<th>Maximum Standby Time</th>
<th>Minimum Standby Period</th>
<th>Maximum Standby Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 1</td>
<td>12h</td>
<td>72 Hrs</td>
<td>Grade 2</td>
<td>12h</td>
</tr>
<tr>
<td>Grade 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## All Models

### Electrical

<table>
<thead>
<tr>
<th>Current Consumption</th>
<th>Quiescent Current</th>
<th>Alarm:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;50mA</td>
<td>&lt;150mA</td>
</tr>
</tbody>
</table>

### Zones

- **Number**: 8
- **EOL Resistor Value**: 3KΩ

### Panel Outputs

- **O/P 1 - Supervised**: 1A switched to 0V
- **O/P 2 - Supervised**: 1A switched to 0V
- **O/P 3 - B**: 100mA switched to 0V

### Siren Output (Supervised)

- **Speaker Mode**: Minimum load 4Ω
- **Bell Mode**: 1Ω 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

- **CTR21, DPT-TE-001**: Pulse or DTMF

### REN

- **1**

### Approval

- **CPR21, DPT-TE-001**

### Non Volatile Memory Component

- **412, 412 Plus, 816, 816 Plus**: 24LC256
- **832**: 24LC256

### EN50136-1-1 & EN50136-2-3

The inbuilt communicator complies with the requirements of EN50136-2-3 and 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 appliances operating at levels 1 or 2 and environmental class 1 or 2. 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 (25°C to +131°F)
- **Maximum Humidity**: 95% non-condensing
- **EMC Environment**: Residential/Commercial/Light Industrial or Industrial

### Specifications

- **Battery Compartment**: One 12V 7.0Ah battery
- **Rated Output Voltage**: 13.0V to 13.9V
- **Rated Input**: 100V - 240V @50/60Hz; 1A
- **Rated Output Current@40°C**: 2.5A 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

- **Aux 12V**: 1.0A
- **Siren**: 1.0A
- **Network**: 1.0A
- **Battery**: 2.5A

### Standby Current

- **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

- **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)

- **Dimensions (W x H x D)**: 315mm x 263mm x 98mm
- **Battery Compartment**: Up to One 12V 18Ah battery
- **Packed Weight**: 4.0Kg (Approx)
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/LCD/L/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 & O/P 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: 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. The Texecom Switch mode Power supply is a multi voltage device with no user adjustment.
2. Use of a non Texecom power supply is prohibited and will invalidate the warranty.
3. Only use batteries of the specified type.
4. Dispose of used batteries safely according to the manufacturer's instructions.
5. Locate the battery inside the panel space provided.
6. This equipment is designed for dry indoor use only.
7. 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.
8. 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.

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

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

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

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| 1<br>1<br>5 | Perimeter Instant | 24-Hour - Low Temp |
| 1<br>1<br>6 | Fire | Momentary Key Switch |
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| 1<br>3<br>1 | Enable Stay Bypass | Enable Soak Test |
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| 1<br>5<br>3 | g h i 4 G H I | Space 0, # * |
| 1<br>5<br>4 | j k l 5 J K L | Move Left/Right |
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---

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- Press Any Key for Display
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- Wrong Code Attempts = Code Tamper

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- Burglary Alarm Tones from Keypad
- Trouble Tones from Keypad
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### Programming System Outputs

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   - 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 Trouble/Tamper
   - 14 Keypad Tamper/Removed
   - 15 Service Fault
   - 16 Output 1 Fault
   - 17 Output 2 Fault

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 Trouble
   - 10 Fire
   - 11 Fire Fault
   - 12 Bell
   - 13 Strobe
   - 14 Entry
   - 15 Exit
   - 16 Armed
   - 17 Stay Armed
   - 18 Ready

3. **Zone Output Types**
   - 01 - 32 Zone Mimic 01 - 32

### Output Attributes

- 1 Partition 1
- 2 Partition 2
- 3 Partition 3
- 4 Partition 4
- 5 User Test
- 6 Inverted
- 7 Latching
- 8 Pulsed

---

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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**

---

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1. **Account Numbers (partitions 1-4)**
2. **Protocol Type:**
   - 01 Disabled
   - 02 Pulse Format
   - 03 Express Format
   - 04 Fast Format/Speech Module
   - 05 Contact ID
   - 06 SIA Level 2/3
   - 07 Pager

3. **Dial Attempts**
4. **Partition Options:**
   - 01 Report for Partition 1
   - 02 Report for Partition 2
   - 03 Report for Partition 3
   - 04 Report for Partition 4

5. **Reporting Options:**
   - 01 Priority Alarm and Cancel Events
   - 02 Alarm and Cancel Events
   - 03 Open and Close Events
   - 04 Bypass and Unbypass Events
   - 05 Maintenance Alarm Events
   - 06 Tamper Alarm Events
   - 07 Test Transmission Events
   - 08 Restore Events

6. **Pulse Format Options:**
   - 01 Use 1900Hz Carrier
   - 02 Use 40 PPS Baud Rate
   - 03 Enable Parity
   - 04 Use 2 Digit Events
   - 05 Use 2300Hz Handshake
   - 06 Use 2300Hz Kiss-Off
   - 07 Use Fast/Slow Format

7. **Fast Format Reporting Channels**
   - 01 Report Channel 1
   - 02 Report Channel 2
   - 03 Report Channel 3
   - 04 Report Channel 4
   - 05 Report Channel 5
   - 06 Report Channel 6
   - 07 Report Channel 7
   - 08 Report Channel 8

8. **Protocol Options:**
   - 01 Disable SIA Modifier Blocks/Enable Speech Module
   - 02 Disable Events for Each Partition
   - 03 Pager Terminator = * (Star)
   - 04 Send Pager Terminator Twice/Send SIA Text
   - 05 Pager DTMF Tones = 500mS
   - 06 Disable Zone Restorals
   - 07 Communication Acknowledgement Tone
   - 08 Connect via IP

---

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### Quick Reference Guide

**Premier 412/816/832 Installation Manual**

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#### Fast Format Restore Channels
- Report Restore on Channel 1
- Report Restore on Channel 2
- Report Restore on Channel 3
- Report Restore on Channel 4
- Report Restore on Channel 5
- Report Restore on Channel 6
- Report Restore on Channel 7
- Report Restore on Channel 8

#### Fast Format Open/Close Channels
- Report Open/Close on Channel 1
- Report Open/Close on Channel 2
- Report Open/Close on Channel 3
- Report Open/Close on Channel 4
- Report Open/Close on Channel 5
- Report Open/Close on Channel 6
- Report Open/Close on Channel 7
- Report Open/Close on Channel 8

#### Cancel Call Waiting

### Programming Download Options

#### Download Menu
- Download Options:
  - Enable Attended Download
  - Enable Unattended Call Back
  - Enable 2-Call Answer Phone Defeat
  - Restrict Download when Armed
  - Download when Part Armed
  - Disconnect Telephone Line
- Download Telephone No
- UDL Password
- Call Back Attempts
- Ring Count
- Com1 Device Type
- ComIP/SMG Address and Port
- ComIP Gateway
- ComIP Subnet Mask
- Com2 Device Type
- Chiron Iris Data Setup
  - Access Point Name
  - User Name
  - Password

### Programming Reporting Codes

#### Zone Alarm/Restore Codes
- Zone Bypass/Unbypass Codes

#### Non Zone Alarm/Restore Codes

### Programming Users

#### Program User

#### User Options 1
- Enable for Partition 1
- Enable for Partition 2
- Enable for Partition 3
- Enable for Partition 4

#### User Options 2
- Enable One Time Use Access Code
- Time Lock Code with Control Timer 1
- Enable Open Reporting

### User Options 3
- Enable Close Reporting
- Enable User as Duress Code
- Activate Door Strike Output
- Allow Global Bell/Sounder Silence
- Disable Remote Access

#### User Text

- . , ? ! 1 @ " - &
- a b c 2 A B C
- d e f 3 D E F
- g h i 4 G H I
- j k l 5 J K L
- m n o 7 M N O

### System Tests and Utilities

#### Walk Test
- Clears previously tested zones

#### Test Speakers and Outputs
- Test Speakers
- Test Bells
- Test Strobes
- Test Outputs
- Test LCD Display

#### Send Test Call

#### Enable Remote/Engineer Access

#### Start Call Back

#### Program Time

#### Program Date

#### Program Banner Text

#### Print 100 Events

#### Log Off Engineer
### Service Faults Displayed on LED Keypads

<table>
<thead>
<tr>
<th>Light</th>
<th>Fault Condition</th>
</tr>
</thead>
</table>
| 1     | **General Warnings**  
Press \( \bigcirc \) 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**  
**Box Tamper & Auxiliary Input:**  
Press \( \bigcirc \) to view type, lights 1 - 5 indicate:  
1 = Box Tamper  
2 = Auxiliary Tamper  
3 = Auxiliary PA  
4 = Auxiliary Tamper (Aux Input)  
5 = Bell Tamper  
6 = RadioPlus Tamper  
7 = Low Fob Battery detected |
| 4     | **Date or Time Lost** |
| 5     | **Zone Tamper/Trouble**  
Press \( \bigcirc \) to view zone number |
| 6     | **Keypad Tamper/Removed**  
Press \( \bigcirc \) to view keypad number |
| 7     | **Equipment Faults**  
Press \( \bigcirc \) 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

<table>
<thead>
<tr>
<th>LCD</th>
<th>Fault Condition</th>
</tr>
</thead>
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<tr>
<td>AC Fail</td>
<td>AC Fail</td>
</tr>
<tr>
<td>Line Fault</td>
<td>Telephone Line Fault</td>
</tr>
<tr>
<td>Smoke Alarm (2W)</td>
<td>2-Wire Smoke Alarm</td>
</tr>
<tr>
<td>Box/Aux Tamper</td>
<td>Box Tamper</td>
</tr>
<tr>
<td>Aux Tamper</td>
<td>Auxiliary Tamper (Aux Input)</td>
</tr>
<tr>
<td>Auxiliary Tamper</td>
<td>Auxiliary Tamper (UK Bell Module)</td>
</tr>
<tr>
<td>Bell Tamper</td>
<td>Bell Tamper (UK Bell Module)</td>
</tr>
<tr>
<td>Aux PA Alarm</td>
<td>Auxiliary PA (Aux Input)</td>
</tr>
<tr>
<td>Date/Time Loss</td>
<td>Date or Time Lost</td>
</tr>
<tr>
<td>Tamper Zone &gt; 01</td>
<td>Zone Tamper/Trouble</td>
</tr>
<tr>
<td>Tamper Keypad &gt; 1</td>
<td>Keypad Tamper/Removed</td>
</tr>
<tr>
<td>Output 1 Fault</td>
<td>Output 1 Fault</td>
</tr>
<tr>
<td>Output 2 Fault</td>
<td>Output 2 Fault</td>
</tr>
<tr>
<td>Siren Fault</td>
<td>Siren/Bell Fault</td>
</tr>
<tr>
<td>Smoke Sen. Fault</td>
<td>2-Wire Smoke Sensor Fault</td>
</tr>
<tr>
<td>Aux. Fuse Fault</td>
<td>Auxiliary Fuse Failed</td>
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<tr>
<td>Battery Fault</td>
<td>Battery Fault</td>
</tr>
<tr>
<td>Service Required</td>
<td>Service Timer/Zone Soak Test Failed</td>
</tr>
<tr>
<td>Coms Fault</td>
<td>Com1 Fault or Fail To Communicate</td>
</tr>
</tbody>
</table>

### User Functions

**Enter User Code \( \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \) followed by**

- \( \bigcirc \bigcirc \) Reset Alarm/Troubles
- \( \bigcirc \bigcirc \) View Last Alarm
- \( \bigcirc \bigcirc \) View/Acknowledge Service Faults
- \( \bigcirc \bigcirc \) Anti-code Remote Reset
- \( \bigcirc \bigcirc \) Toggle Chime On and Off
- \( \bigcirc \bigcirc \) Change Own Passcode
- \( \bigcirc \bigcirc \) View Event Log (LCD Only)
- \( \bigcirc \bigcirc \) Abort Communications
- \( \bigcirc \bigcirc \) 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

<table>
<thead>
<tr>
<th>Zone</th>
<th>Location</th>
<th>Zone</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>01</td>
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<td>17</td>
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</tr>
<tr>
<td>02</td>
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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

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Page 25

Page 27
### Programming Worksheets & Defaults

**Menu: 1 2 3**

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- ✓ = Default setting is ON
- XX = Default setting is OFF

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**Menu: 1 4**

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- ✓ = Default setting is ON
- XX = Default setting is OFF
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✓ = Default setting is ON
XX = Default setting is OFF
* = Attributes 3, 4 and 6 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

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### Programming Worksheets & Defaults

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✔️ = Default setting is ON

XX = Default setting is OFF

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<td>🍋 p q r s 7 P Q R S</td>
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<td>🍋 w x y z 9 W X Y Z</td>
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<td>🍋 Space 0 . # *</td>
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<td>11</td>
<td>27</td>
<td>🍋 Move Left/Right</td>
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<td>28</td>
<td>🍋 Backspace (delete)</td>
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### Partition Programming

#### Menu: \( \text{2} \times \text{6} \)

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<tr>
<th>Partition</th>
<th>Enable Auto Bypass Mode</th>
<th>Stay Armed Exit is Silent</th>
<th>Enable Remote Arming</th>
<th>Enable Remote Disarming</th>
<th>Enable Local Exit Tones</th>
<th>Stay Armed Entry is Instant</th>
<th>Stay Armed Exit is Delayed</th>
<th>Only Start Exit when Partition is Ready</th>
<th>Page 29</th>
</tr>
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#### Menu: \( \text{2} \times \text{7} \)

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<th>Auto Arm with Control Timer 1</th>
<th>Auto Arm with Control Timer 2</th>
<th>Auto Arm with Control Timer 3</th>
<th>Auto Arm with Control Timer 4</th>
<th>Auto Arm with Control Timer 5</th>
<th>Auto Disarm with Control Timer 2</th>
<th>Auto Disarm with Control Timer 3</th>
<th>Auto Disarm with Control Timer 4</th>
<th>Page 30</th>
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### Partition Programming

**Equipment Areas**

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<td>0: Auxiliary Input Areas</td>
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<td>✓</td>
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<td>1: Panel Bell Areas</td>
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<td>✓</td>
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<tr>
<td>2: Bell Squawk Areas</td>
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**Global System Timers**

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<tr>
<th>Timer</th>
<th>Value</th>
<th>Default</th>
<th>Timer</th>
<th>Value</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>00: AC Fail Delay</td>
<td>[      ]</td>
<td>[      ]</td>
<td>001 Minutes</td>
<td>[      ]</td>
<td>000 Seconds</td>
</tr>
<tr>
<td>01: Line Fault Delay</td>
<td>[      ]</td>
<td>[      ]</td>
<td>001 Seconds</td>
<td>[      ]</td>
<td>000 Minutes</td>
</tr>
<tr>
<td>02: Cross Zone Time</td>
<td>[      ]</td>
<td>[      ]</td>
<td>030 Seconds</td>
<td>[      ]</td>
<td>000 Weeks</td>
</tr>
<tr>
<td>03: Zone Soak Test Time</td>
<td>[      ]</td>
<td>[      ]</td>
<td>014 Days</td>
<td>[      ]</td>
<td>000 Seconds</td>
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<tr>
<td>04: Restore Reporting Delay</td>
<td>[      ]</td>
<td>[      ]</td>
<td>030 Minutes</td>
<td>[      ]</td>
<td>045 Minutes</td>
</tr>
<tr>
<td>05: Output Short Pulse Time</td>
<td>[      ]</td>
<td>[      ]</td>
<td>050 x 100mS</td>
<td>[      ]</td>
<td>048 Hours</td>
</tr>
<tr>
<td>06: Zone Response Time</td>
<td>[      ]</td>
<td>[      ]</td>
<td>010 x 80mS</td>
<td>[      ]</td>
<td>000 Minutes</td>
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<td>07: Transmission Abort</td>
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<td>180 Seconds</td>
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**Global Counter/Levels**

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<th>Counter/Level</th>
<th>Value</th>
<th>Default</th>
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</thead>
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<tr>
<td>0: Swinger Shutdown Count</td>
<td>[      ]</td>
<td>[      ]</td>
<td>003</td>
<td>2: Chime Volume</td>
<td>[      ]</td>
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<tr>
<td>1: Panel Speaker Volume</td>
<td>[      ]</td>
<td>[      ]</td>
<td>4</td>
<td>3: Clock Adjustment</td>
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### Global Programming

**Control Timers**

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<th>ON/OFF Time</th>
<th>Days of Operation</th>
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<td>1</td>
<td>ON: [      ]</td>
<td>00:00 ON Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<tr>
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<td>OFF: [      ]</td>
<td>00:00 OFF Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<td>2</td>
<td>ON: [      ]</td>
<td>00:00 ON Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<td>OFF: [      ]</td>
<td>00:00 OFF Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<td>ON: [      ]</td>
<td>00:00 ON Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<tr>
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<td>OFF: [      ]</td>
<td>00:00 OFF Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<tr>
<td>4</td>
<td>ON: [      ]</td>
<td>00:00 ON Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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<tr>
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<td>OFF: [      ]</td>
<td>00:00 OFF Time: Su[ ] Mo[ ] Tu[ ] We[ ] Th[ ] Fr[ ] Sa[ ] None</td>
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**System Options 1**

<table>
<thead>
<tr>
<th>Clock Crystal</th>
<th>Battery Connection Supervision</th>
<th>Battery Dynamically Load Tested</th>
<th>Panel NVN is Locked</th>
<th>Power Savings During AC Mains Failure</th>
<th>Line Fault Overrides Bell Delay</th>
<th>2-Wire Smoke Detection on O/P 1</th>
<th>Convert Siren Output from Voltage to Speaker Driver</th>
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<tbody>
<tr>
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**System Options 2**

<table>
<thead>
<tr>
<th>Tamper Alarms</th>
<th>Defer Reporting of Non-Zone Restorals</th>
<th>Use Delay Timer to Defer Non-Zone Restorals</th>
<th>Inhibit Keyswitch Operation on EOL Tamper</th>
<th>Away Arm Overrides Alarm Tx Delay</th>
<th>Defers Reporting of Zone Restorals</th>
<th>Use Delay Timer to Defeer Zone Restorals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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**System Options 3**

<table>
<thead>
<tr>
<th>Away Arm Exit Error Doesn’t Sound Bell</th>
<th>Zone Test - Silence on No Violation</th>
<th>Alarm Status Light Indicates Fire</th>
<th>Enable Entry/Exit Tones for Panel Speaker</th>
<th>Enable Cross Partitioning</th>
<th>Enable EN 50131-1 Requirements</th>
<th>Reinstall Bypassed Zones on Disarm</th>
<th>Invert Panel Siren Output</th>
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<tbody>
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**Hardware Options**

<table>
<thead>
<tr>
<th>Panel Output 1 Supervised for Faults</th>
<th>Panel Output 2 Supervised for Faults</th>
<th>Siren/Bell O/P Supervised for Faults</th>
<th>Panel Box Tamper Switch Monitored</th>
<th>Auxiliary Fuse Supervised for Faults</th>
<th>Battery Supervised for Faults</th>
<th>AC Mains Supply is Monitored</th>
<th>Telephone Line Is Monitored</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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**Auxiliary Input**

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### Global Programming

<table>
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<th>Menu: 3 3 8 1</th>
<th>Miscellaneous Options 1</th>
<th>Page 38</th>
</tr>
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<tbody>
<tr>
<td>Enable Bell Squawk on AWAY Arm/Disarm</td>
<td>Disable AC Fail Ack.</td>
<td>Disable Open/Close Reporting on STAY Arm</td>
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### Remote Keypad Programming

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<th>Menu: 4 0</th>
<th>Remote Keypad Options 1</th>
<th>Page 42</th>
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<td>Keypad d</td>
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<td>2</td>
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<td>XX</td>
</tr>
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### Miscellaneous Options 3

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<tbody>
<tr>
<td>Allow User Tamper Reset</td>
<td>Allow Engineer Access when Armed</td>
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### EN50131

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<th>EN50131</th>
<th>Page 39</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirm Low fob Battery on Arm</td>
<td>Soak Test Active Indication</td>
<td>Soak Test Acknowledge Required</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
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### Remote Keypad Options 2

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<th>Remote Keypad Options 2</th>
<th>Page 39</th>
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<tbody>
<tr>
<td>Keypad d</td>
<td>Code Tamper Causes a Tamper Alarm</td>
<td>Keypad Activation of Fire Alarm</td>
</tr>
<tr>
<td>Keypad d</td>
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### Remote Keypad Options 3

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<th>Remote Keypad Options 3</th>
<th>Page 42</th>
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</thead>
<tbody>
<tr>
<td>Keypad d</td>
<td>Fire Alarm Tones from Keypad</td>
<td>Burglary Alarm Tones from Keypad</td>
</tr>
<tr>
<td>Keypad d</td>
<td>1</td>
<td>2</td>
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<tr>
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### Remote Keypad Programming

**Menu: (4)(3)**

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### Expander Programming

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### Expander Volume

**Menu: (5)(2)**

| Exp. 1 | [ ] | Default 4 | Exp. 2 | [ ] | Default 4 | Exp. 3 | [ ] | Default 4 |

### Output Programming

**Menu: (6)(0)**

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### Fast Format/Speech Channels

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### Programming Worksheets & Defaults

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#### Communicator Programming

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<td>Enable to Pulse Dialling after 3rd Attempt</td>
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### ARC 1 Communicator Options

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### ARC 2 Communicator Options

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Note: The above text is a screenshot of a table from a manual, showing various options and settings for a communication system. The table includes sections for telephone numbers, account numbers, protocol types, dial attempts, reporting options, pulse format options, fast format channels, and protocol options. Each section contains options for different configurations and settings. The table is structured to allow the user to choose and configure the settings according to their needs.
## Download Programming

### Download Menu Options

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<th>ComIP Address/Port</th>
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### Download Menu 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

### Download Data

- **Com1 IP Address/Port**: [XX] [XX] [XX] [XX]
- **Com2 Device Type**: 0
- **Com2 Device Type Options**: 1 = Access Point Name; 2 = User Name; 3 = Password;
- **ComIP Gateway**: [XX] [XX] [XX] [XX]
- **ComIP Subnet Mask**: [XX] [XX] [XX] [XX]
- **Chiron Iris Setup**: [XX] [XX] [XX] [XX]

### Menu: Zone Alarm/Restore Codes

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* 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.
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**Technical Support:**

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(Calls charged at 3.36 pence per minute from a BT landline. Calls from other networks may vary.)  
International Customers Tel: +44 1706 233875  
Email: techsupport@texe.com  
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