Installation Manual

Premier 640

Issue 1

CE

Texecom

www.texe.com

Contents

1. New Features

With Version 8 Software, the capacity of the ***Premier 640*** has been significantly enhanced.

The new panel can accommodate up to 500 users and 64 areas.

In order to manage the additional capacity, some changes to the programming have been made which are briefly described in this section.

Area Profiles

Area profiles are used to group areas together into suites this is a useful way to identify any number of areas which belong to a single entity such as a company or floor in a multi-occupancy building.

80 Area profiles are provided each of which can be programmed with any combination of 64 areas.

Each area profile can be named to relate it to the installation.

Each zone is then allocated to an area profile in the same way as they were previously assigned to an area.

Area profiles can also be allocated to users, keypads and expanders in the same way as was previously done with areas.

User Profiles

The panel provides 32 user profiles for managing the functions and features available to different types of users.

There are a number of predefined user profiles by default which may well satisfy all the requirements of an installation.

Two profiles, ***Engineer*** and ***Master*** are required to have particular features and are not editable, the remaining 30 can be customized by the Engineer or Various users depending on the specific settings.

A user profile defines the functions and features available to a particular type of user.

Once a user profile has been defined it can be allocated to any number of individual users.

This approach simplifies the programming of users in a large system as the profile only has to be set up once, then it is a simple matter for the profile to be applied to a particular group of users.

Using user profiles has the advantage that any changes can be applied to the profile once and they will automatically be applied to any user allocated to the profile.

Access Profiles

One of the functions provided by Texecom Alarm Panels is door control, allowing electronic door locks to be activated by designated outputs on keypads or proximity units.

The 640 provides 99 access profiles, each defining how access is granted to any combination of up to 64 door controls.

Access profiles are programmed and allocated in a similar way to user profiles, but are allocated to individual users independently of the user profile.

User Programming

To program a user it is necessary first to program the user, area and access profiles.

Set up the user and program a user code, then allocate the appropriate profiles.

If at some later stage it is necessary to make changes, either change the appropriate profile, (which will effect all users allocated to the profile) allocate different profile which matches the new requirement or program a new profile and allocate it to the user.

Each user can have any combination of user, area and access profiles.

Default Settings

All users are assigned to Area Profile 80 (All System Areas). Users are also set to 'No Door Access' by default.

Area Profiles 1-64 are each assigned to an individual area, (Profile 01 to area A1, Profile 02 to area A2 and so on to Profile 64 assigned to area H8.

Area Profile 00 is defaulted as no areas and Profile 80 is all areas.

All zones are assigned to Area Profile 1 (Area A1).

Access Profiles 1 -64 are each assigned to an individual door (Profile 01 to Network 1 Door 1, Profile 02 to Network 1 Door 2 and so on to Profile 64, assigned to Network 8 Door 8).

Mandatory Log

The component requirements for control equipment ***TS50131-3*** requires that mandatory log events are not overwritten by non-mandatory events.

To satisfy this requirement an additional 500 mandatory event log has been created which records only the mandatory events.

Operation of the standard system log has not been changed and mandatory events will be duplicated in the standard log.

The standard log has been extended to 5000 events.

Alternative Wiring Configurations

4 new EOL zone wiring options have been provided to allow compatibility with other manufacturers products and to allow the use of alternative anti-masking detection devices.

Normally open & normally closed contacts are catered for, this is primarily for key switches

A warning device monitoring circuit type has been provided to support remote testing of sounders.

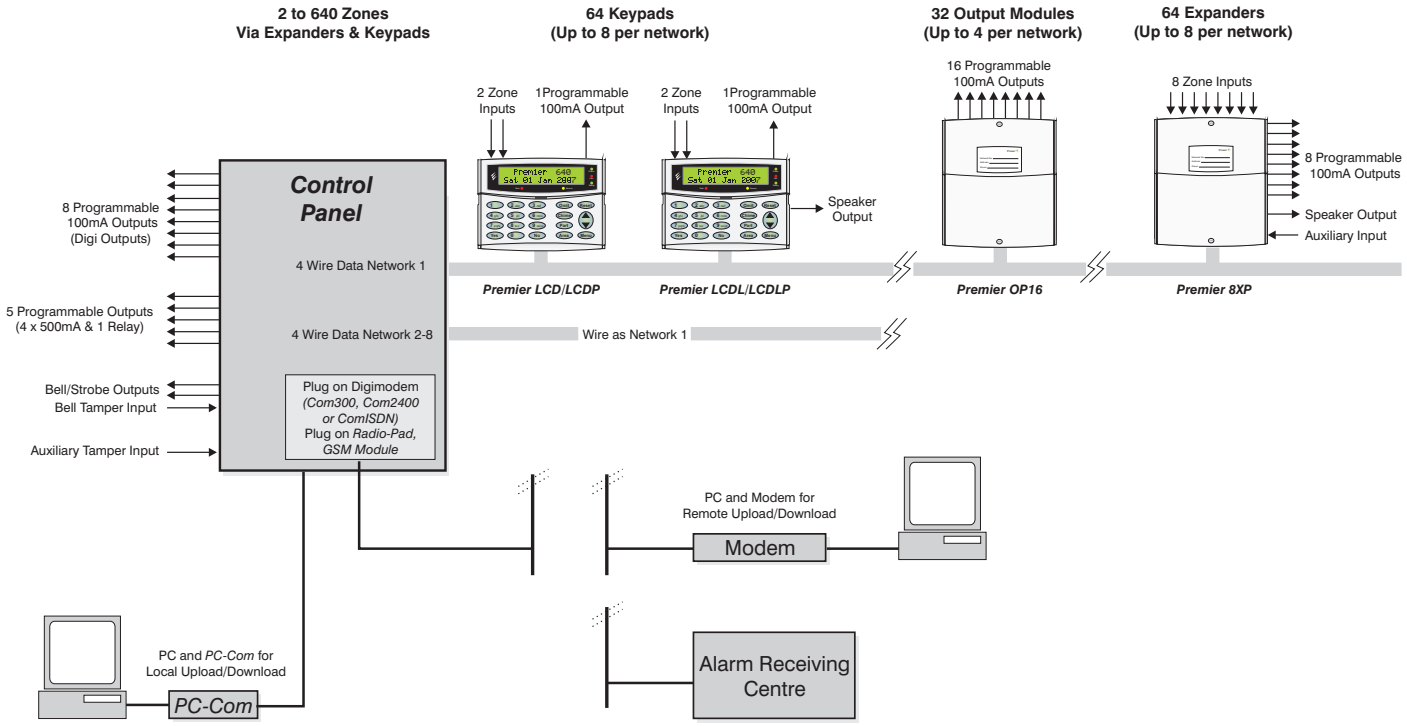
Additional Radio Devices

The number of ***RadioPlus*** intelegent radio devices that can be learnt to the system has been increased from 32 to 100.

This is mainly to accommodate the additional users and allow more radio FOBs.

2. System Overview

System Architecture



Control Panel

- Expandable to 640 zones via keypads and zone expanders
- 8 x 4-wire data network (standard 7/0.2 alarm cable)
- Up to 64 keypads and 64 zone expanders (8 per network)
- Up to 32 output modules (4 per network)
- 64 independent areas each with 3 part arms
- 500 programmable User codes
- 5000 Event Log (time & date stamped)
- 500 Event Mandatory Log (time & date stamped).
- 32 Event Alarm Log (time & date stamped).
- 5 programmable panel outputs (4 x 1A & 3A relay)
- 2.0 Amp power supply
- 8 programmable digicom outputs (100mA each)
- 32 character zone text
- Facility for Plug-on Digimodem (*Com300*/*2400*/*ComISDN*)
- Facility for Plug-on Paknet *RP9 Radio-Pad*
- Facility for Plug-on *GSM Module*
- Facility for Plug-on *IP Module (ComIP*/*Chiron*/*WebWayOne)*
- Facility for a plug-on RedCARE/*RM8* Relay Module
- Facility for a plug on Engineers Keypad.
- *PC-Com*/printer port

Remote Keypads

Premier LCD

- 32 character text display
- 2 fully programmable DP or EOL zones
- 1 fully programmable output (100mA -ve applied)
- Fully adjustable back-lighting, normally bright, dim or off, changing to bright during entry or following a key press
- Built in piezo sounder
- Programmable 'Info.' LED

Premier LCDL

ALL the features of the *Premier LCD* plus:

- Larger 32 character text display
- Speaker output

Premier LCDP

- *Premier LCD* with a built in Proximity Tag Reader

Premier LCDLP

- *Premier LCDL* with a built in Proximity Tag Reader

Zone Expanders

Premier 4XP

- 4 fully programmable DP or EOL zones
- 2 fully programmable outputs (100mA -ve applied each)
- Remotely wired

Premier 8XP

- 8 fully programmable DP or EOL zones
- 8 fully programmable outputs (100mA -ve applied each)
- Speaker output
- Programmable auxiliary input
- Remotely wired

Premier PSU200XP

- Monitored Power Supply with integral ***Premier 8XP***

Premier 60iXD

- 2 loops x 30 fully programmable iD zones
- iD biscuit technology
- Plug-on

"iD" is a registered trade mark of Chloride Safety System Limited

RadioPlus Intelligent Receiver

- Plug – 0n receiver for Texecom ***RadioPlus*** devices.
- Accepts 32 Devices

RadioPlus Network Receiver

- Network version of the ***Intelligent Radio Reciever.***.

Output Expanders

Premier OP16

- 16 fully programmable outputs (100mA each)
- 1 fault output (100mA -ve applied)
- Can be connected to mimic panels to give zone indication
- Can be connected to relays and sounders

Premier RM8 Relay Module

- Plug-on relay card (RedCARE footprint)
- 8 separate inputs for stand alone operation
- 8 x 3Amp relay outputs (n/o, n/c, com)
- Output 'ON' LED indication

Communicators

Com300

- Multi-protocol communicator supporting Fast Format, Contact ID, SIA Level II and EasyCom Pager protocols
- 300-baud modem for remote uploading and downloading using the *Wintex UDL* software and a PC
- For use with an analogue telephone line (REN = 1)

Com2400

- Multi-protocol communicator supporting Fast Format, Contact ID, SIA Level II and EasyCom Pager and SMS Messaging protocols
- 2400-baud modem for remote uploading and downloading using the *Wintex UDL* software and a PC
- Sends SMS text messages to mobile phones
- For use with an analogue telephone line (REN = 1)

ComISDN

- Multi-protocol communicator supporting Fast Format, Contact ID, SIA Level II and EasyCom Pager protocols
- 300-baud (analogue) or 19200-baud (digital) Modem for remote uploading and downloading using the *Wintex UDL* software and a PC
- For use with an ISDN telephone line

ComIP

- Multi-protocol communicator supporting Fast Format, Contact ID and SIA Level II protocols via TCP/IP
- High speed modem for remote uploading and downloading using the *Wintex UDL* software and a PC
- For use with ADSL/DSL/Broadband/WAN/LAN etc.

RP9 Radio-Pad

- Paknet radio communicator supporting Fast Format and Contact ID protocols
- 4800-baud modem for remote uploading and downloading using the *Wintex UDL* software and a PC

GSM Module

- Provides a GSM telephone path for *Premier* Digital Communicators
- Sends SMS text messages to mobile phones
- Arm, Disarm, Reset the alarm, turn outputs on and off, omit zones and send messages to the control panel using SMS text messages
- 9600-baud modem for remote uploading and downloading using the *Wintex UDL* software and a PC

Other Devices

PremieriProx

- Provides an alternative to Prox keypads for setting & unsetting with a proximity FOB.
- Remote Prox readers available for external or internal use.
- Interfaces with 26 bit ***Wiegand*** devices.
- Can be used as standalone door entry control

PC-Com

- For connecting a PC to the control panel via an RS232 Serial port allowing local uploading and downloading using *Wintex UDL* software

USB-Com

- For connecting a PC to the control panel via a USB 1.0 or 2.0 port allowing local uploading and downloading using *Wintex UDL* software

UNI-Com

- For connecting a serial device i.e. PC modem or mobile phone to the control panel

PRINT-Com

- For connecting a serial printer to the control panel

RPD-Com

- For connecting a *RP9 Radio-Pad* to the control panel

GSM-Com

- *F*or connecting a *GSM Module* to the control panel

Premier X10-Com

- For controlling X10 enabled devices on the ring main.

Premier Battery Splitter

- Allows two backup batteries to be connected to a single set of battery terminals, and will provide appropriate monitoring and charging for each.

External Sounders

- Texecom supply a range of external sounders

3. 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 the alarm detection devices, keypads, zone expanders etc. 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 (if using a communicator).

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

3: Install the Keypads and Zone Expanders
Mount and connect the keypads, zone expanders and output modules to the control panel (see page 13 for wiring details).

4: Install the Alarm Detection Devices
Install the detection devices, PIR's, Contacts, PA Buttons etc. and connect them to the control panel (see page 21 for wiring details).

5: Install the External Sounder
Install the external sounder and connect to the control panel (see page 22 for wiring details).

6: Other Wiring
Complete all other wiring including speakers, telephone line and output connections etc. (see pages 22 - 23 for details).

7: Applying Power to the Control Panel
Once steps 1 to 6 are completed, power can be applied to the control panel.

When applying power for the first time, the factory default settings must be loaded (see page 28 for details). Power should always be connected in the following order:

- Connect the red battery lead to the positive terminal of the battery and then connect the black battery lead to the negative terminal

  NOTE The panel will only become 'live' when the AC Mains is connected or the 'Battery Kick-start' button is pressed.

- Connect the AC mains

8: Programming the Control Panel
Please refer to section 5 for instruction on programming the control panel.

9: Testing the System
Test the system thoroughly to ensure that all features and functions operate as required (see page 91 for details).

Control Panel

Mounting

Mount the control panel on a flat, plumb wall using at least three screws of appropriate size.

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

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

Wiring the Control Panel

WARNING: ELECTRICITY CAN KILL

BEFORE connecting the control panel ALWAYS disconnect the supply at the consumer unit.
If in ANY doubt consult a qualified electrician.

⚠ IMPORTANT SAFETY INFORMATION. HAZARDOUS VOLTAGES INSIDE, NO USER SERVICEABLE PARTS, NO USER ACCESS.

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

ALWAYS refer to National Wiring Regulations when conducting installation.

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

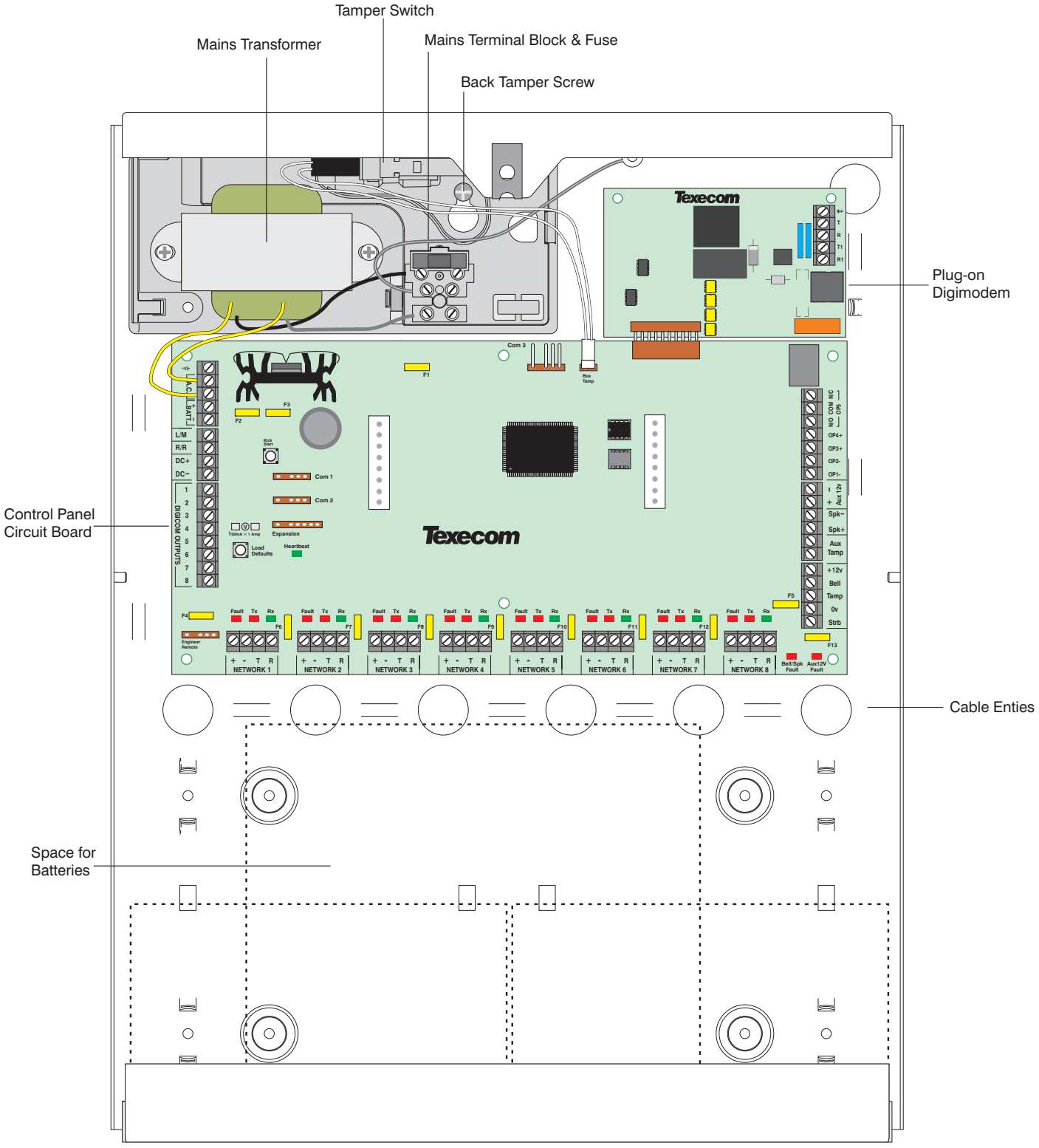
The disconnection device must NOT be fitted in a flexible cord.

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

The building mains supply MUST incorporate appropriate short-circuit backup protection (e.g. a fuse or circuit breaker) of High Breaking Capacity (HBC, at least 1500A).

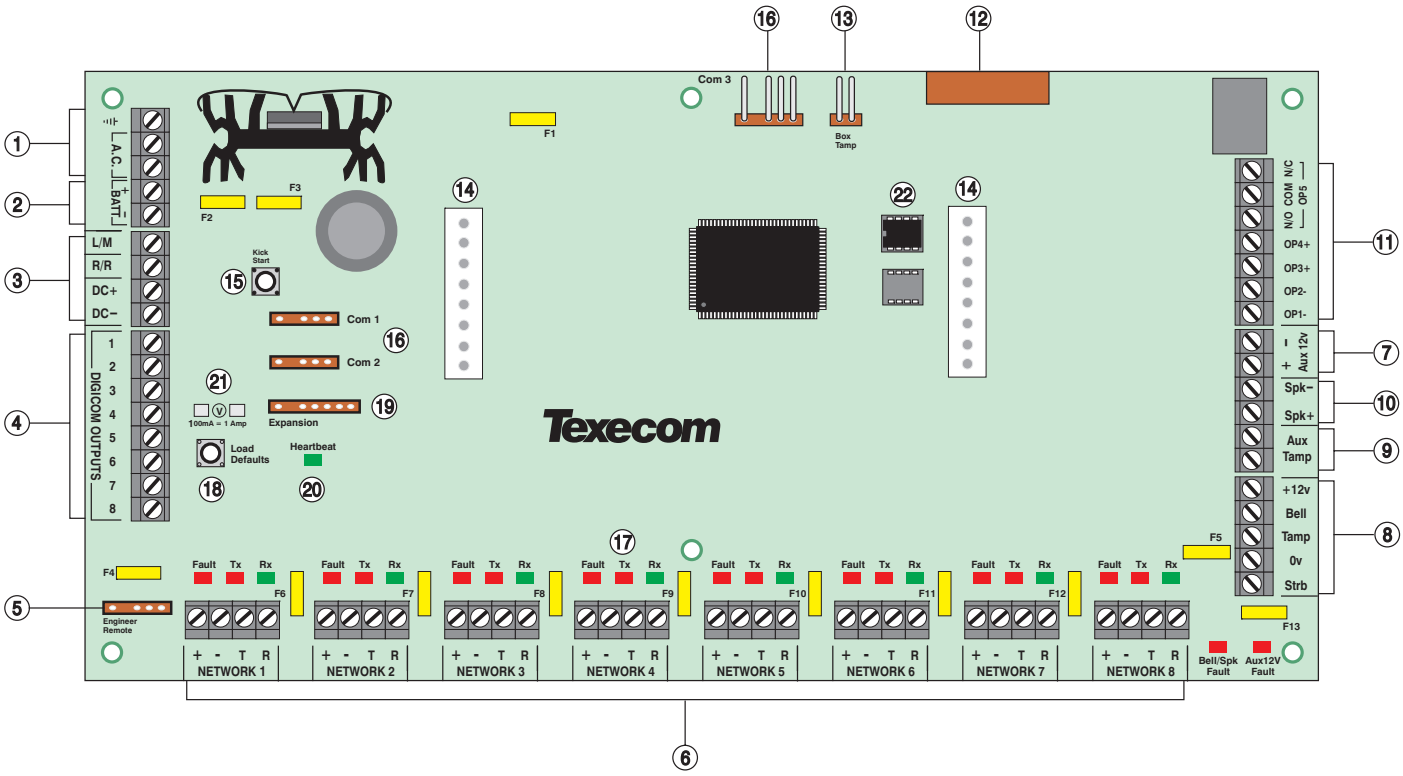
Use mains cable of adequate carrying capacity for the rated current (i.e. at least 0.75mm^2).

Control Panel Layout



NOTE If back tamper is required, the back tamper screw must be fitted as indicated.

Control Panel PCB Layout



1: AC Input
Connected to the 16.5V transformer.
DO NOT CONNECT THE MAINS SUPPLY TO THE AC INPUT TERMINALS ON THE PCB.

2: Battery Connections
A 12V rechargeable battery must be connected to these terminals in order to provide continuous system operation in the event of an AC Mains failure (see page 12 for details).

3: Digicom Power & Inputs
These terminals provide unfused power; remote reset and line fault inputs and are normally used for connecting a stand-alone communicator to the control panel (see page 23 for details).

4: Digicom Outputs
Outputs 1 to 8 are low current (100mA '-ve' applied) and would normally be used when connecting a stand-alone communicator to the control panel (see page 23 for details). Each output is fully programmable (see page 61 for details).

5: Engineers Keypad
A portable Engineers keypad can be plugged on here to allow easier access for programming and testing.

NOTE When using a keypad as an Engineers keypad, the address must be set to '10' (see page 15 for details). The keypad zones and lid tamper are not monitored.

6: Network Data Connections
Networks provide connection for the keypads and zone expanders. The '+' and '–' terminals provide power whilst the 'T' transmits data and 'R' receives data (see page 13 for details).

7: Auxiliary 12V Power
These terminals are for connecting devices that require 12V power (protected by a 1A fuse).

8: External Sounder Connections
These terminals are used for connecting to an external sounder unit (see page 22 for details).

9: Auxiliary Tamper Connections
These terminals can be used for monitoring the tamper loop of an auxiliary device (see page 21 for details).

10: Loudspeaker Connections
These terminals can be used for connecting up to one 16Ω or two 8Ω loudspeakers (see page 22 for details).

11: Panel Outputs
Outputs 1 & 2 are 500mA '-ve' applied, outputs 3 & 4 are 500mA '+ve' applied and output 5 is a clean contact relay (see page 23 for wiring details). These outputs are all fully programmable (see page 60 for details).

12: Plug-on Communicator Connections
This socket provides connection for *Premier* plug-on communicator (see page 25 for details).

13: Box Tamper Connection
The box tamper micro switch is connected here. The micro switch provides tamper protection for the main control panel in case of unauthorised access. To disable the box tamper, remove the micro switch lead and fit a jumper link across the two pins.

14: Plug-on RedCARE/Dualcom Connections
These pins provide connections for a plug-on RedCARE, Dualcom, Digicom or *RM8 Relay module*. Each output is fully programmable (see page 61 for details).

NOTE When a device is plugged on to these pins, not all outputs may be available, please refer to the relevant documentation for details.

15: Battery Kick-start Button
When powering up the panel without AC Mains present, this button must be pressed in order to connect the battery.

NOTE If AC Mains is present this button does not need to be pressed.

16: Communication Ports

Com Port 1 is a serial communications port and can be used for connecting a PC running *Wintex* or any supported serial device to the control panel (see page 76 for details).

Com Port 2 is a serial communications port and can be used for connecting a PC running *Wintex* or any supported serial device to the control panel (see page 76 for details).

Com Port 3 is a serial communications port and can be used for connecting a PC running *Wintex* or any supported serial device to the control panel (see page 76 for details).

17: Network Data Indicators

The red LED indicates that data is flowing out of the control panel and normally flashes very quickly. The green LED indicates that data is flowing into the control panel and normally flashes slowly, the green LED flashes faster as more devices are connected (see page 13 for details).

18: Load Defaults Button

Press and hold this button whilst applying power to the control panel to load the factory default settings. Press and hold this button for 7 seconds with power already on the panel to restore just the Engineer code to the factory setting of (1) (2abc) (3def) (4ghi).

NOTE Loading the factory defaults can take up to 60 seconds to complete.

Loading defaults will only be possible if the NVM has not been locked (see page 49 for details).

For a complete list of factory defaults, see the ***Factory Defaults and Quick Reference Guide*** supplied separately with the control panel.

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19: Expansion

The Expansion Port can be used for connecting a *60XPiD* Zone Expander (see page 18 for details) or an AV Module (see page 26 for details).

20: Heartbeat LED/Power Light

Flashes steadily to indicate that the control panel is functioning correctly. If the light is ON or OFF all the time, then there could be a problem (see page 28 for details).

21: Current Reading Pads

To calculate the current draw of the control panel, measure the voltage across the two pads and multiply by 10 i.e. Reading = 34mV (x10) = 340mV = 340mA.

22: NVM

All system programming data and the system & event logs are stored in a removable non-volatile memory devices.

F1 - F5: Protection Fuses

The following electronic fuses are provided:

- F3 (1600 mA) Battery
- F4 (250mA) Speaker
- F5 (900mA) Network 1
- F6 (900mA) Bell/Strobe
- F7 (900mA) Network 2
- F8 (900mA) Network 3
- F9 (900mA) Network 4
- F10 (900mA) Network 5
- F11 (900mA) Network 6
- F12 (900mA) Network 7
- F13 (900mA) Network 8
- F14 (900mA) Auxiliary 12V

Power Supply Ratings

If installing to PD6662, the system standby times in the event of a mains power failure vary depending on the grade and how AC fail is signalled:

System Standby Times		
Grade 2	Grade 3 AC Fail signalled as AC Fail	Grade 3 AC Fail signalled as Fault
12 Hours	12 Hours	24 Hours

The “Rated Power” of the control panel will depend on the size of the standby battery, standby time and the installation grade:

7 Ah Standby Battery			
Max Power Available from control panel	Grade 2 – Rating	Grade 3 – Rating AC Fail signalled as AC Fail	Grade 3 – Rating AC Fail signalled as Fault
2 A	580mA	580mA	290mA
17 Ah Standby Battery			
Max Power Available from control panel	Grade 2 – Rating	Grade 3 – Rating AC Fail signalled as AC Fail	Grade 3 – Rating AC Fail signalled as Fault
2 A	1.25A	1.25A	710mA

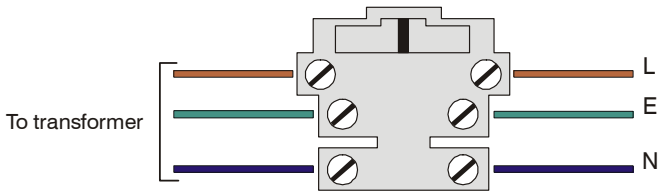
When calculating the current consumption of the system you must include the current taken by the control panel and all the devices that it powers. If the total current exceeds the “Rated Output” for the grade you are installing to then an additional power supply is required.

Connecting AC Mains

The AC Mains supply is connected to a 3 way ‘Euro Type’ fused terminal block, which is fitted with a 125mA or 500mA fuse.

NOTE All other wiring MUST be carried out before AC mains is connected to the control panel.

After connecting the AC Mains, fit the mains cover, this can be found in the spares bag.



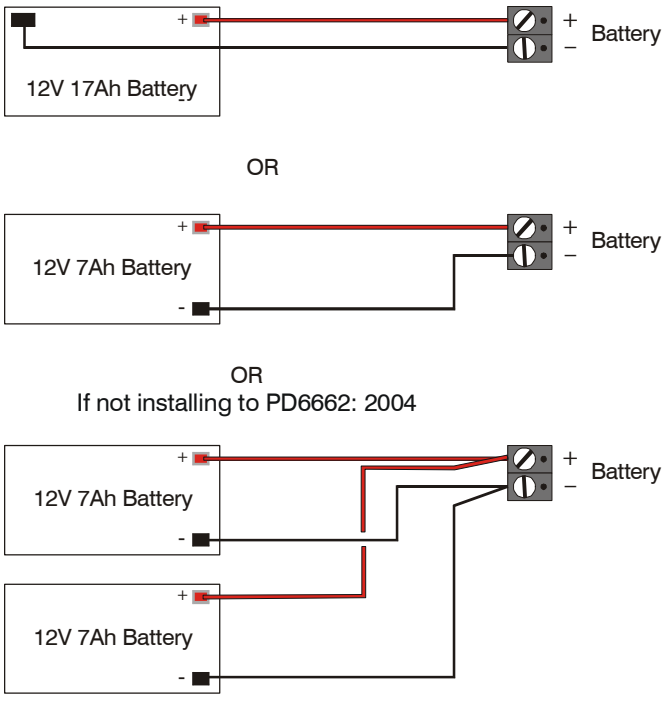
Connecting Batteries

If installing to PD6662: 2004 then only One 12V 7Ah battery or 12V 17Ah battery can be fitted inside the control panel to provide continued operation in the event of an AC mains failure, otherwise, two 12V 7Ah batteries can be connected.

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

Connect the red battery lead to the positive terminal of the battery and then connect the black battery lead to the negative terminal.

NOTE The panel will only become ‘live’ when the AC Mains is connected or the ‘Battery Kick-start’ button is pressed.



NOTE Two batteries can be fitted and still comply with PD6662:2004 if the ***Premier Battery Splitter*** is used.

Connecting Devices to the Network

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

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

Keypads, zone expanders and output modules can all be connected to any of the 8 sets of network terminals located at the bottom of the control panel and may be connected serially (daisy chain), in parallel (star) or any combination of the two (see Figure 1, page 14 for details).

NOTE No more than 8 zone expanders, 8 keypads and 4 output modules can be connected to each network.

Whenever new devices are connected to the networks, they must be confirmed onto the system using the 'Confirm Devices' menu option (see page 96 for details).

Wiring the Network

The networks are 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 Figure 1, page 14 for details). The table below shows each terminal and its description:

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

Devices can be connected using 4-core cable. However, it is recommended that 6 or 8-core cable is used as the spare cores can be used to 'Double Up' on the power connections if needed.

NOTE Standard 7/0.2 alarm cable can be used for most installations. However, under certain conditions it may be necessary to use screened cable.

Cable Distances

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.

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

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

Distances of up to 1km can be achieved between the control panel and a device. However, a power supply must be installed close to the device to power it locally, this will help to overcome voltage drop caused by the long cable run.

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

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 2, page 14 for details).

Network Diagnostics

Each network has two LED's to indicate data flow. The red LED indicates data flowing out of the 'T' terminal and the green LED indicates data flowing into the 'R' terminal. The table below shows each LED status and its meaning:

LED Status	'T' Wire OUT	'T' Wire IN
Red LED Flashing	Normal	Normal
Red LED On	Panel Fault	Cable Short
Red LED Off	Panel Fault	Panel Fault

LED Status	'R' Wire OUT	'R' Wire IN
Green LED Flashing	Panel Fault	Normal
Green LED On	Panel Fault	Cable Short
Green LED Off	Normal	No Data From Devices

NOTE The LED's are provided as an aid for fault finding and therefore should not be completely relied upon to indicate that there is a fault.

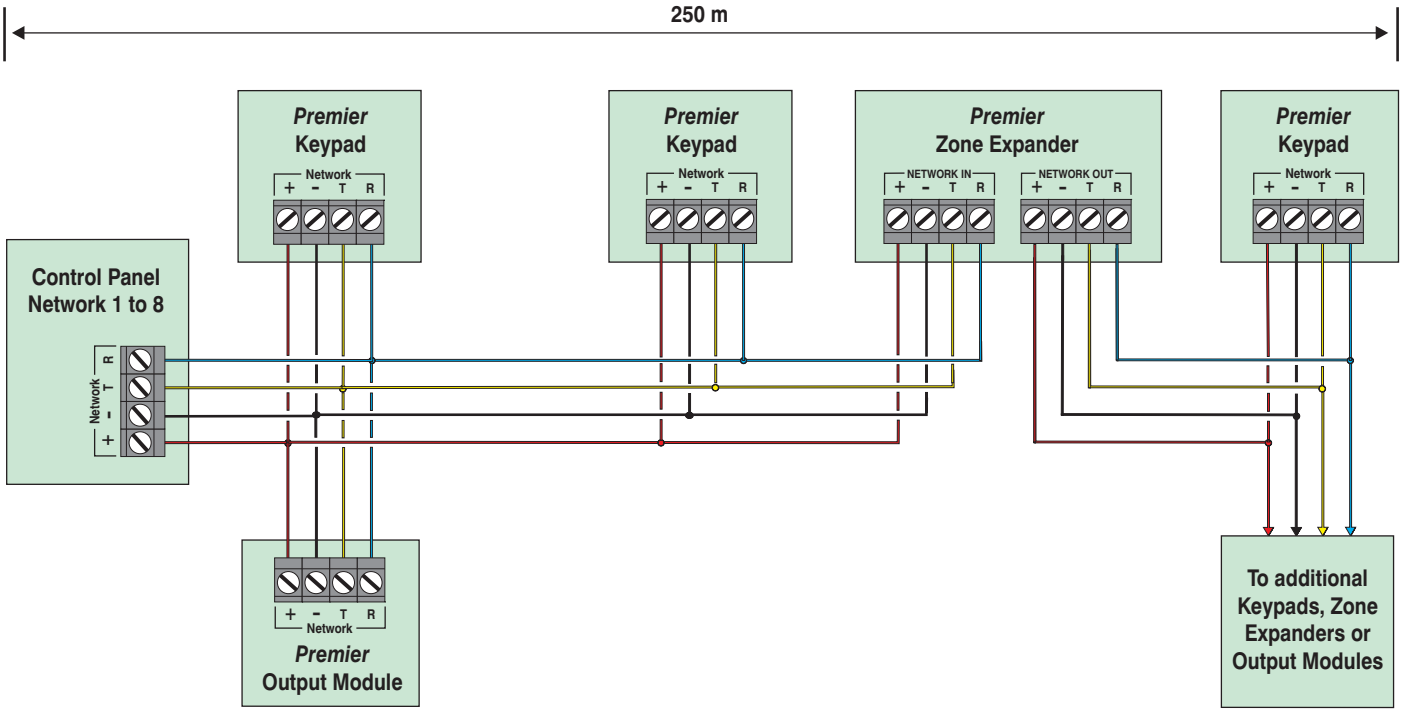


Figure 1: Network Connections (250m without additional power supply).

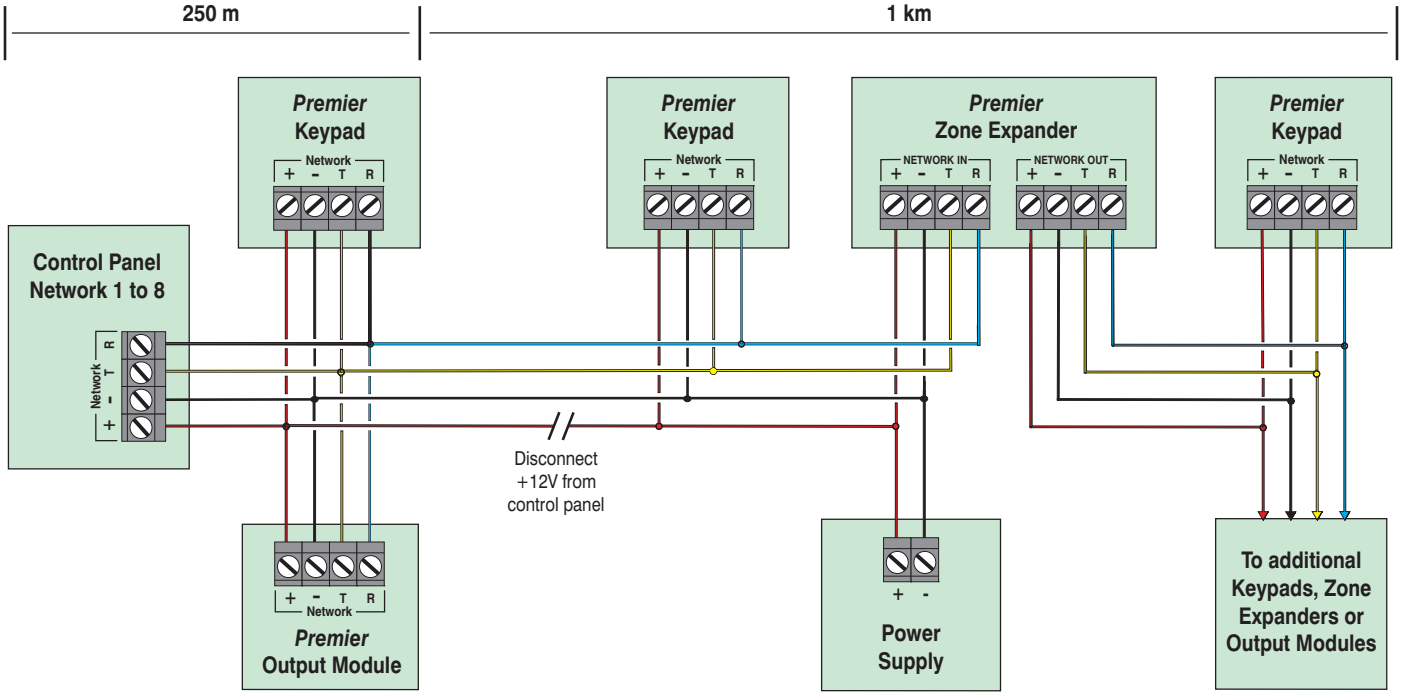
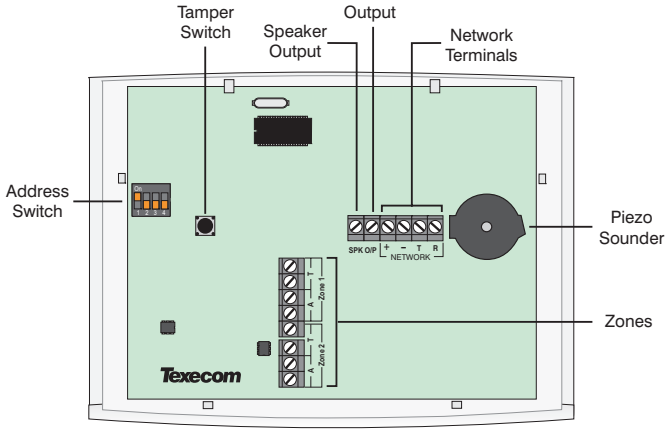


Figure 2: Network Connections (1km with additional power supply).

Remote Keypads

Keypad Layout



Connecting Keypads

Keypads are connected to the network terminals located at the bottom of the control panel (see pages 13 & 14 for details).

Keypad Addressing

Each keypad must be assigned a different address using the DIL switches located on the left hand side of the PCB. The table below shows the keypad addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On** or off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	
4	Off	Off	Off	**On**	
5	**On**	Off	Off	**On**	
6	Off	**On**	Off	**On**	
7	Off	Off	**On**	**On**	
8	**On**	Off	**On**	**On**	
Engineers	**On**	On	**On**	**On**	

NOTE Never set two keypads on the same network to the same address.

When using a keypad as an Engineer's keypad, the DIL switches must all be 'On'.

Keypad Zones

The keypad has two programmable zones (see page 21 for details). Each zone is also fully programmable (see page 34 for details).

Keypad Output

The remote keypad has 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 23 (see page 60 for details). The electrical characteristics for the output are shown below:

Output	Max Current	Type
1	100mA	Switched -ve

Keypad Speaker Output (*LCDL*/*LCDLP* Only)

The *Premier LCDL* and *Premier LCDLP* keypads have an output that can be used for driving up to one 16Ω or two 8Ω loudspeakers (see page 22 for details).

NOTE The speaker volume is also fully adjustable (see page 57 for details).

Programmable 'Info.' LED

The 'Info.' LED on the front of the keypad can be programmed to mimic the keypad output or show the armed status of an area (see page 57 for details).

Adjustable Backlighting

To adjust the keypad backlighting press the **YES** key for 5 seconds, then with the **YES** key still pressed use ◄► to increase or decrease the backlighting until the required brightness is achieved, then release both keys.

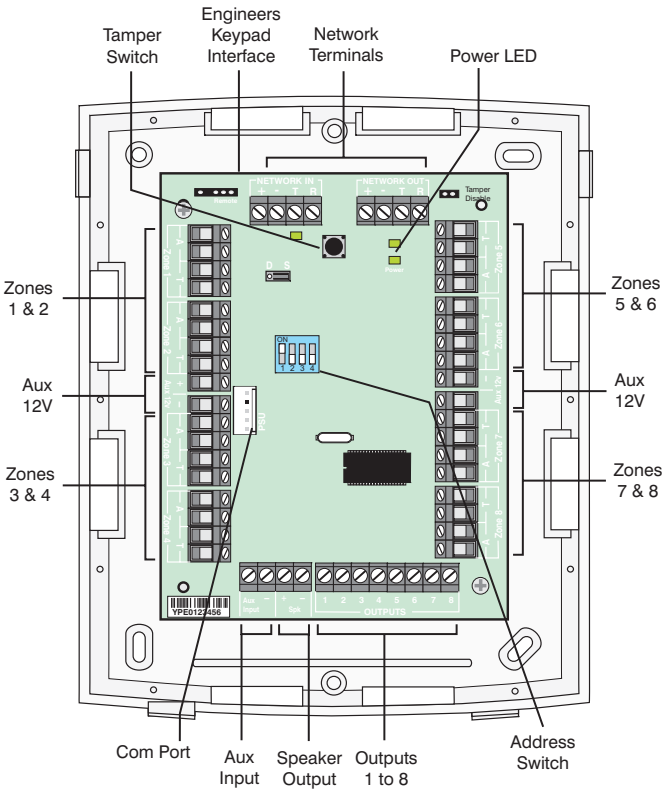
NOTE The backlight can only be adjusted when the keypad is not in a menu.

Keypad Lid Tamper

The lid tamper of each keypad can be disabled if required using the relevant keypad option in the Keypad Setup menu (see page 57 for details).

8XP Zone Expander

Expander Layout



Connecting Expanders

Expanders are connected to the network terminals located at the bottom of the control panel (see pages 13 & 14 for details).

Expander Addressing

Each Expander must be assigned a different address using the DIL switches located in the centre of the PCB. The table below shows the expander addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On** or off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	
4	Off	Off	Off	**On**	
5	**On**	Off	Off	**On**	
6	Off	**On**	Off	**On**	
7	Off	Off	**On**	**On**	
8	**On**	Off	**On**	**On**	

NOTE Never set two expanders on the same network to the same address.

Expander Zones

The expander has eight programmable zones (see page 21 for wiring details). Each zone is also fully programmable (see page 34 for details).

Zone Numbering

The table below shows the zone allocation when the expanders are installed:

Address	Zones (Network 1)	Zones (Network 2)
1	9 - 16	73 - 80
2	17 - 24	81 - 88
3	25 - 32	89 - 96
4	33 - 40	97 - 104
5	41 - 48	105 - 112
6	49 - 56	113 - 120
7	57 - 64	121 - 128
8	65 - 72	129 - 136

Expander Auxiliary Input

The expander has one programmable input. This auxiliary input can be used to monitor auxiliary devices such as tamper loops etc. Wire as per Aux Tamper shown on page 22 (see page 59 for details). The system will respond as follows:

Input Status	System Response
0V Applied	Input Secure
0V Removed	Input Active
EOL	Various *

NOTE For further details on how the input status affects the system please refer to page 59.

* For wiring details, see page 24.

Expander Outputs

The zone expander has eight programmable outputs, which can be used to drive auxiliary devices such as LED's, sounders or relays etc. Wire as per Panel Outputs shown on page 23 (see page 60 for details). The electrical characteristics for the outputs are shown below:

Outputs	Max Current	Type
1 to 8	100mA	Switched -ve

Expander Speaker Output

The expander has an output that can be used for driving up to one 16Ω or two 8Ω loudspeakers (see page 22 for details).

Expander Com Port

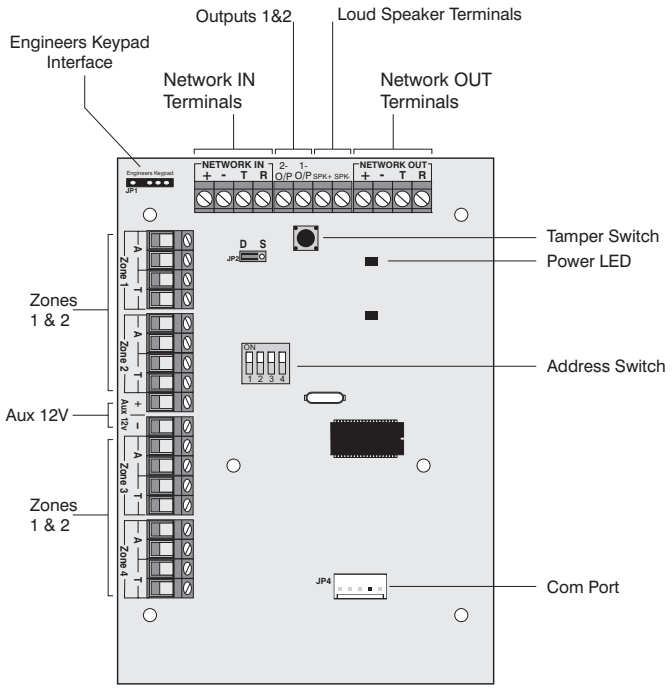
The Com Port can be used to connect a ***PSU200*** montored power supply or a ***RadioPlus Inteligent Receiver***.

Expander Lid Tamper

The lid tamper of each expander can be disabled if required by fitting a jumper link across the centre and right hand pins of the 'Enable Tamper' pins (JP2) leaving the left hand pin free. These pins are located to the left of the address DIL switch just beneath the fuse.

4 XP Zone Expander

Expander Layout



Connecting Expanders

Expanders are connected to the network terminals located at the bottom of the control panel (see pages 13 & 14 for details).

Addressing

4XP expanders are addressed as one or (normally) two keypads on the network. Each 4XP has to have a unique address, which must not conflict with any keypad or any other 4XP on the same network.

The following table shows the expander addresses & the keypad slots that each would occupy.

Address	DIL 1	DIL 2	DIL 3	DIL 4	Keypads
1	**On**	off	off	off	1 & 2
2	off	**On**	off	off	2 & 3
3	off	off	**On**	off	3 & 4
4	off	off	off	**On**	4 & 5
5	**On**	off	off	**On**	5 & 6
6	off	**On**	off	**On**	6 & 7
7	off	off	**On**	**On**	7 & 8
8	**On**	off	**On**	**On**	8

Zones

The 4XP provides 4 alarm zones, 2 for each of the 2 keypad slots it occupies. Each zone is fully programmable (see page 5.1 Zone Setup34) and has to be mapped to the system (see Keypad Zone Mapping page 57).

Outputs

2 Programmable outputs are provided 1 for each of the 2 keypad slots occupied by the expander (see page 60 for output programming)

Expander Speaker Output

One speaker output is provided for connecting one external 16Ω or 2 8Ω loudspeakers (see page 22 for details).

The speaker volume is programmed through the keypad setup menu (see page 57)

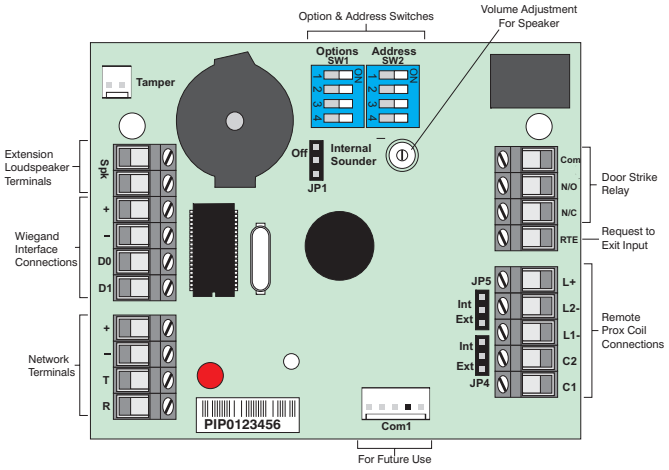
NOTE The speaker is available on keypad 1 of the two keypad slots the 4XP occupies. (ie if the 4XP address is 5, the speaker will programmed as belonging to keypad 5).

Expander Com Port

The Com Port can be used to connect a ***RadioPlus Inteligent Receiver***.

iProx Module

iProx Layout



Connection

The ***iProx Module*** is connected to the network terminals located at the bottom of the control panel (see pages 13 & 14 for details).

Addressing

The ***iProx Module*** is addressed as a keypad and will occupy a keypad slot on the network. The unit must have a unique address, which must not conflict with keypad or any other ***iProx Module*** on the same network

The following table shows the addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4
1	**On**	off	off	off
2	off	**On**	off	off
3	off	off	**On**	off
4	off	off	off	**On**
5	**On**	off	off	**On**
6	off	**On**	off	**On**
7	off	off	**On**	**On**
8	**On**	off	**On**	**On**

Refer to the ***iProx Module*** manual for programming and operating instructions.

60IXD Zone Expander

The *60iXD* expander provides the following facilities:

- Two iD loops each supporting up to 30 biscuits
- Fused 12V output for powering detectors
- Engineer's keypad port for local iD diagnostics

NOTE The *60iXD* expander module is only supported on *Premier 640* control panels from version 1.0 onwards,

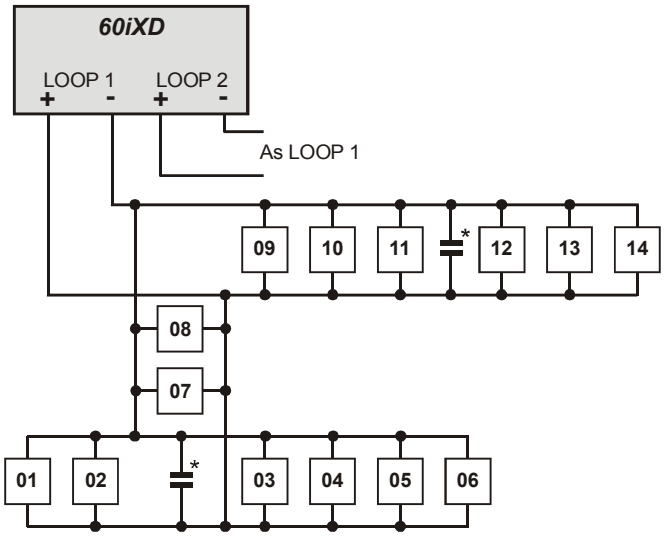
Installation

Before connecting the *60iXD* expander module, isolate ALL power from the control panel (AC mains and battery), do not continue if there is still power present on the control panel.

1. Connect the iD expander to the control panel, see *60iXD* installation manual (INS261) for details.
2. Connect the iD devices to the expander module, see "iD Connections".
3. Reapply power to the control panel and program the necessary options on the panel see *60IXD* installation manual (INS261) for details.

iD Connections

Each iD biscuit is connected across a two-wire detector loop. Apart from observing the correct polarity, any wiring configuration can be used, as shown in the diagram below:



* The *60iXD* expander module is supplied with 4 off 10nF capacitors in the spares pack. It is recommended that you connect a 10nF capacitor approximately at the half way point of each iD spur. It is especially important to do this on iD spurs that are less than 30 metres.

Cabling Considerations

The iD loop can be wired using standard 4-core alarm cable, this allows 2 cores to be used for the iD biscuit and 2 cores for supplying 12V power for PIR's etc.

The number of biscuits that can be connected per cable run is determined by the impedance of the cable used. Standard 4-core alarm cable (7/0.2mm) has a resistance of approximately 8 Ohms per 100 metres. The following table shows the maximum number of biscuits that can be connected at the end of a single cable run using standard 4-core alarm cable:

Cable Length	Maximum Number of Biscuits
100m	30
200m	15
400m	7
800m	3

If a different type of cable is used, the distances should be re-calculated. e.g., if 7/0.4mm cable is used, a single run of 200m would support 30 devices on the end as the resistance of the cable is halved.

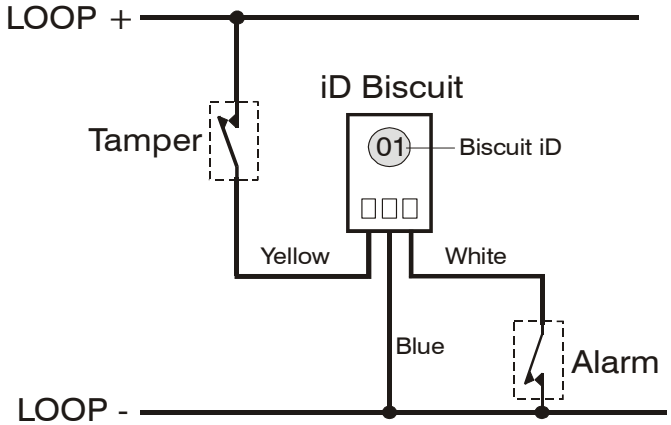
When installing the iD loop it is usually more practical to run several cables from the expander module to the different areas of protection. This effectively reduces any distance problems and makes fault finding much easier.

To reduce the risk of induced interference and wherever possible, cables should not be positioned along side mains power, telephone or other data transmission cables, or run within the same ducting or trunking as any other cables.

The wiring for the system's internal sounders (loudspeakers) should not be connected in the same multi-core as the iD loop.

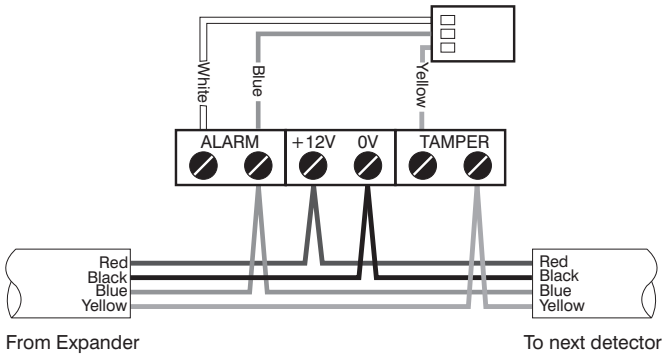
Biscuit Connections

Each iD biscuit is identified by its own number 01 to 30 and contains its own internal sensor that is continuously monitored by the expander module. The diagram below shows the connections to the biscuit for monitoring both tamper and alarm contacts.



When the tamper switch is opened, the iD biscuit is taken offline and a tamper condition is generated by the control panel. If the alarm switch is opened the biscuit's internal sensor changes state and the control panel will see this as an active condition and will respond as appropriate.

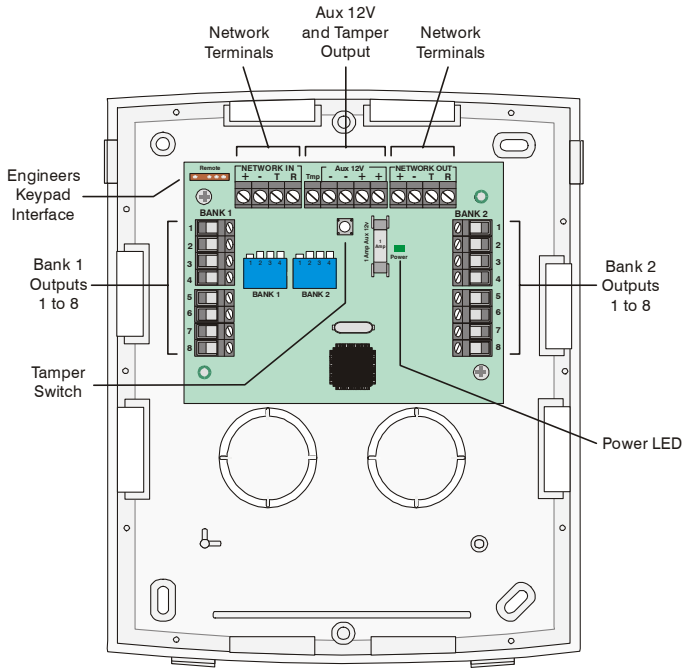
The diagram below shows the typical wiring of a biscuit to a standard PIR.



"iD" is a registered trade mark of Chloride Safety System Limited.

OP16 Output Expander

Output Module Layout



Connecting Output Modules

Output modules are connected to the network terminals located at the bottom of the control panel (see pages 13 & 14 for details).

Output Module Addressing

Each output module must be assigned a different address using the DIL switches located in the centre of the PCB.

The table below shows the expander addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On** or off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	
4	Off	Off	Off	**On**	
5	**On**	Off	Off	**On**	
6	Off	**On**	Off	**On**	
7	Off	Off	**On**	**On**	
8	**On**	Off	**On**	**On**	

NOTE In order for an output module to mimic zone expander outputs, the output module must be addressed the same as the zone expander that it is mimicking.

Any combination of addresses can be used on each output module i.e. Bank 1 can be addressed to mimic expander 3 and Bank 2 can be addressed to mimic expander 8.

Bank 1 switch sets the address of the device that Bank 1 outputs 1 to 8 will mimic.

Bank 2 switch sets the address of the device that Bank 2 outputs 1 to 8 will mimic.

Output Module Numbering

The table below shows the output allocation when the output modules are installed:

Address	Outputs (Network 1)	Outputs (Network 2) **
1	Expander 1, 1 - 8	Expander 1, 1 - 8
2	Expander 2, 1 - 8	Expander 2, 1 - 8
3	Expander 3, 1 - 8	Expander 3, 1 - 8
4	Expander 4, 1 - 8	Expander 4, 1 - 8
5	Expander 5, 1 - 8	Expander 5, 1 - 8
6	Expander 6, 1 - 8	Expander 6, 1 - 8
7	Expander 7, 1 - 8	Expander 7, 1 - 8
8	Expander 8, 1 - 8	Expander 8, 1 - 8

Outputs

The output module has 16 programmable outputs, which can be used to drive auxiliary devices such as LED's, sounders or relays etc. Wire as per Panel Outputs shown on page 23 (see page 60 for details). The electrical characteristics for the outputs are shown below:

Bank	Outputs	Max Current	Type
1	1 to 8	100mA	Switched -ve
2	1 to 8	100mA	Switched -ve

Tamper Output

The tamper switch on the output module is connected to the tamper output at the top of the module. If monitoring of the lid tamper is required, this output must be connected to a suitable input on the control panel or zone expander.

Zone and Output Numbering

Expander Zones

Address	Zones Network 1	Zones Network 2	Zones Network 3	Zones Network 4	Zones Network 5	Zones Network 6	Zones Network 7	Zones Network 8
1	1 - 8	65 - 72	129 - 136	193 - 200	257 - 264	321 - 328	385 - 392	449 - 456
2	9 - 16	73 - 80	137 - 144	201 - 208	265 - 272	329 - 336	393 - 400	457 - 464
3	17 - 24	81 - 88	145 - 152	209 - 216	273 - 280	337 - 344	401 - 408	465 - 472
4	25 - 32	89 - 96	153 - 160	217 - 224	281 - 288	345 - 352	409 - 416	473 - 480
5	33 - 40	97 - 104	161 - 168	225 - 232	289 - 296	353 - 360	417 - 424	481 - 488
6	41 - 48	105 - 112	169 - 176	233 - 240	297 - 304	361 - 368	425 - 432	489 - 496
7	49 - 56	113 - 120	177 - 184	241 - 248	305 - 312	369 - 376	433 - 440	497 - 504
8	57 - 64	121 - 128	185 - 192	249 - 256	313 - 320	377 - 384	441 - 448	505 - 512

Keypad Zones

Address	Zones Network 1	Zones Network 2	Zones Network 3	Zones Network 4	Zones Network 5	Zones Network 6	Zones Network 7	Zones Network 8
1	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
2	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
3	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
4	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
5	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
6	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
7	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped
8	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped	Unmapped

Expander/OP16 Outputs

Address	Outputs Network 1	Outputs Network 2	Outputs Network 3	Outputs Network 4	Outputs Network 5	Outputs Network 6	Outputs Network 7	Outputs Network 8
1	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8	Exp. 1, 1-8
2	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8	Exp. 2, 1-8
3	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8	Exp. 3, 1-8
4	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8	Exp. 4, 1-8
5	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8	Exp. 5, 1-8
6	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8	Exp. 6, 1-8
7	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8	Exp. 7, 1-8
8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8	Exp. 8, 1-8

Zone Connections

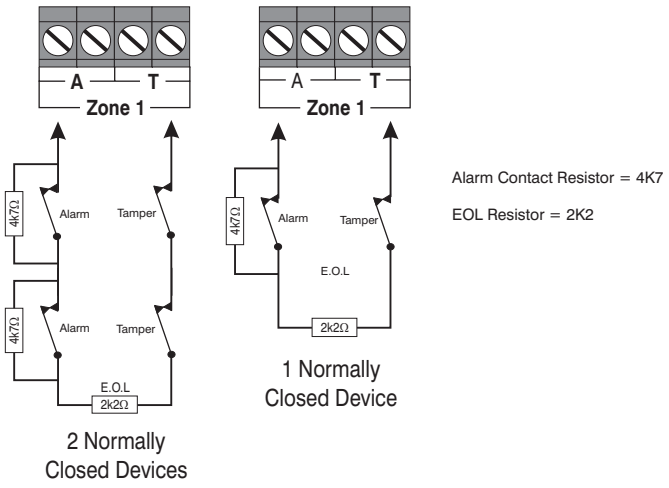
Any zones that are not being used must be linked out or programmed as 'Not Used' (see page 34 for details).

When using End Of Line wiring, only 1 device should normally be connected to each zone.

A zone short can be programmed for 'Active' or 'Tamper' response (see page 50 for details).

End Of Line (EOL)

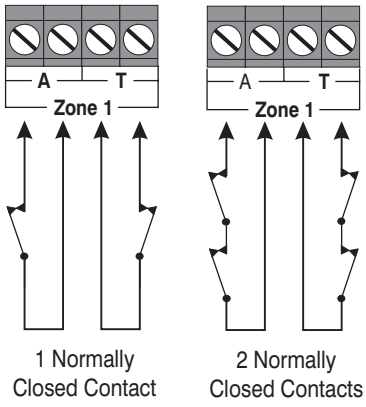
Use this wiring configuration when connecting normally closed detection devices to the zone using 2-Wires. Zone wiring should be programmed as Double Pole/EOL (see ***Zone Wiring*** page 38)



NOTE When using this configuration, no more than 3 detectors can be connected to each zone.

Double Pole

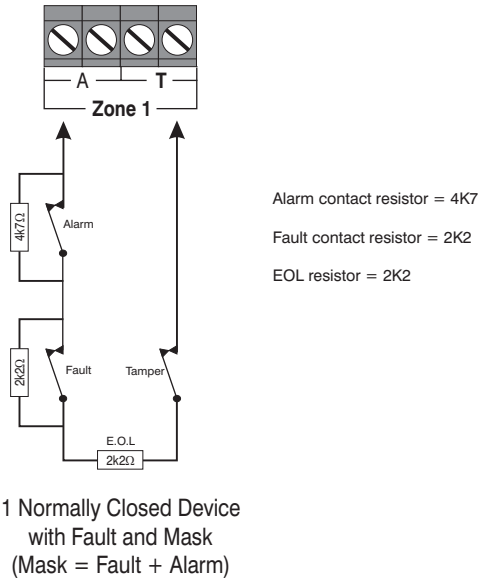
Use this wiring configuration when connecting normally closed or normally open detection devices to the zone using 4-Wires. Zone wiring should be programmed as Double Pole/EOL (see ***Zone Wiring*** page 38)



NOTE When using this configuration, no more than 10 detectors can be connected to each zone.

Triple End Of Line (TEOL)

Use this wiring configuration when connecting PIR devices with that require Anti Mask and Fault detection. Several zone wiring programming options are available for this, Triple EOL is illustrated below. See ***Zone Wiring*** on page 38.

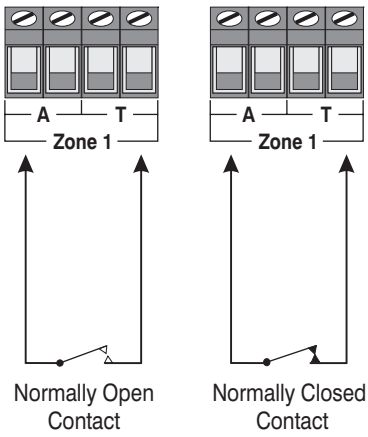


NOTE When using this configuration, only 1 detector can be connected to each zone.

NOTE Alternative resistor values are available – see ***Zone Wiring*** on page 38 for more details.

Normally Open Or Normally Closed Circuits

This wiring configuration is normally used for key switches with a N/O or N/C contact. Zone wiring options are provided for each.

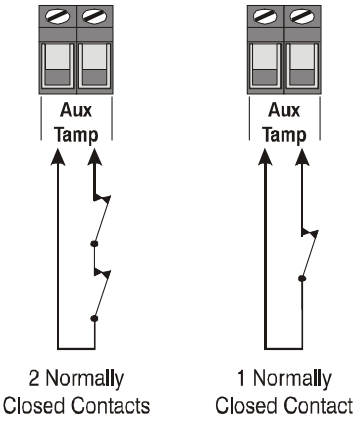


Testing Zones

To test zones prior to commissioning, use the ***View Zone Status*** option in ***Engineers Utilities*** see page 95.

Auxiliary Tamper Connections

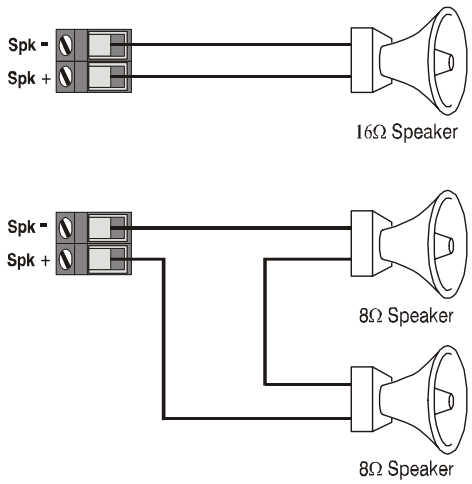
The Auxiliary Tamper terminals allow the control panel to monitor the tamper loops of external devices such as power supplies etc.



NOTE If the 'Auxiliary Tamper' terminals are not being used they must be linked out.

Speaker Connections

This output can be used for driving up to one 16Ω or two 8Ω loudspeakers as shown below:



NOTE For details on testing Speaker outputs, see page 94.

External Sounder Connections

The following terminals have been provided for connection to an external sounder:

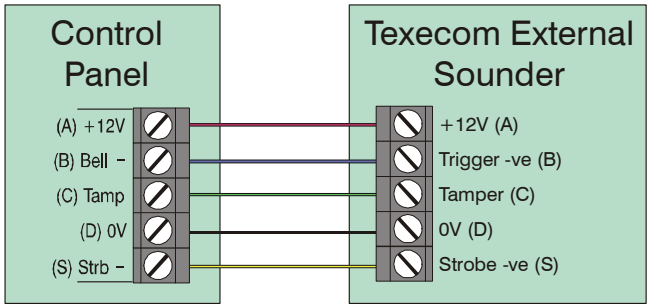
(A) +12V
12V supply (protected by a 1A fuse F4). Normally connected to '+12V' on the sounder.

(B) Bell –
Sounder output, switches to 0V in alarm (SAB) and is rated at 500mA. Normally connected to Trigger -ve on the sounder. This output can also be programmed for SCB operation (see page 48 for details).

(C) Tamp
Negative tamper return. Normally connected to 'Tamper Out' on the sounder. If this terminal is not being used, it ust be connected to '0V'.

(D) 0V
0V supply. Normally connected to '0V' on the sounder.

(S) Strb –
Strobe output, switches to 0V in alarm and is rated at 500mA. Normally connected to strobe -ve on the sounder (where applicable, connect the strobe +ve to +12V).



NOTE For details on testing the 'Bell' outputs, see page 94.

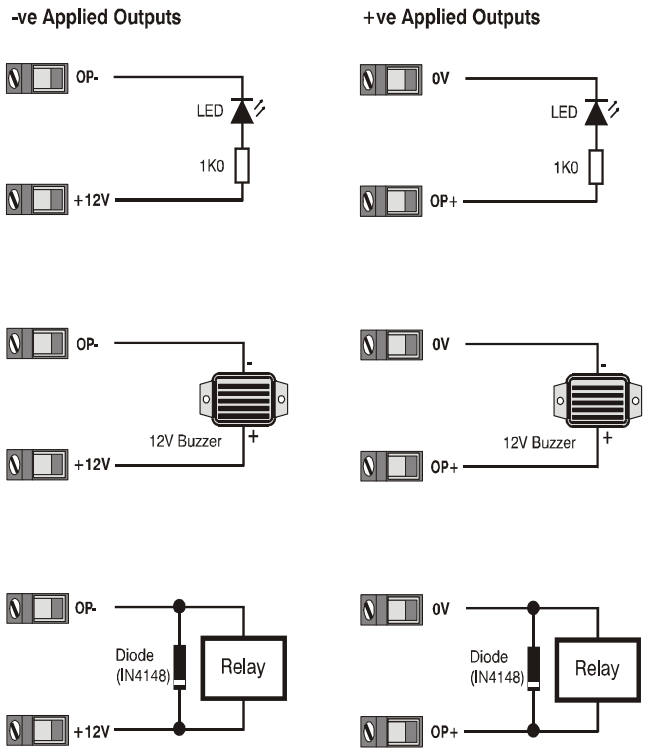
Panel Outputs 1 - 5

The control panel has five programmable outputs, which can be used to drive auxiliary devices such as LED's, sounders or relays etc. (see page 60 for details). The table below shows the electrical characteristics for each output:

No	Max Current	Type
1	1A	Switched -ve
2	1A	Switched -ve
3	1A	Switched +ve
4	1A	Switched +ve
5	3A	Relay

Wiring Outputs

The diagram below shows some typical wiring examples:



NOTE For details on testing outputs, see page 94.

Digicom Outputs 1 - 8

The control panel has eight programmable outputs, which can be used for connecting to a stand-alone communicator (see page 61 for details). The table below shows the electrical characteristics for each output:

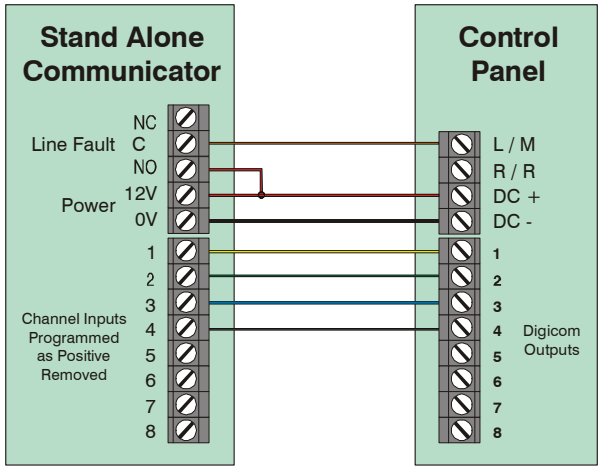
Terminal	Max Current	Operation
1	100mA	Switched 0V
2	100mA	Switched 0V
3	100mA	Switched 0V
4	100mA	Switched 0V
5	100mA	Switched 0V
6	100mA	Switched 0V
7	100mA	Switched 0V
8	100mA	Switched 0V
L/M	N/A	12V applied = Line Fault *
R/R	N/A	0V applied to reset
DC+	N/A	+12V Power (unfused)
DC-	N/A	0V Power

* Control Panel Line Fault Input (L/M)

In accordance with BSIA form 175, the line fault input on the control can detect a single or a dual line fault for use with the ATS Remote Test output type

Wiring a Stand Alone Communicator

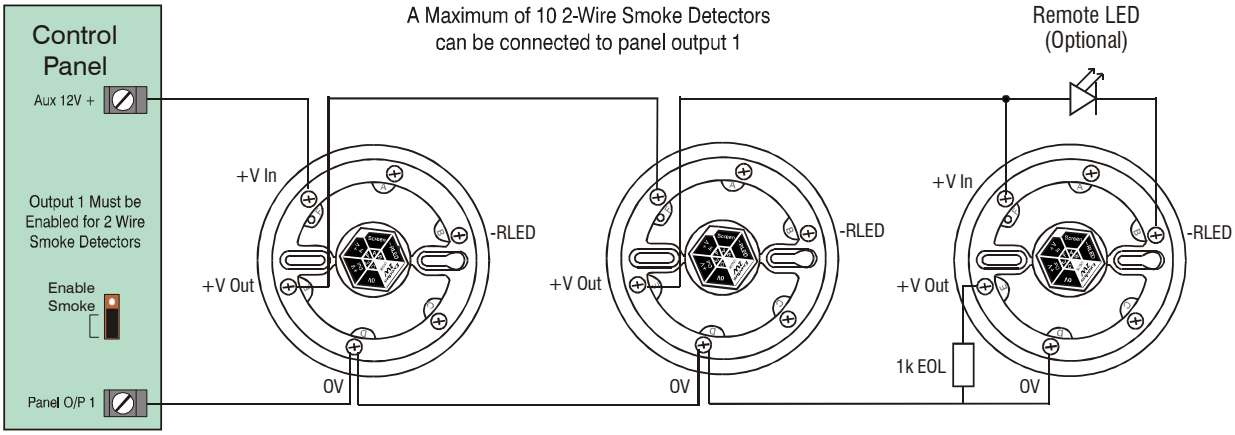
The diagram below shows a typical wiring example:



NOTE For details on testing the digicom outputs, see page 94.

2-Wire Smoke Detector

Panel Output 1 can be used for connecting up to 10, 12V 2-Wire smoke detectors.

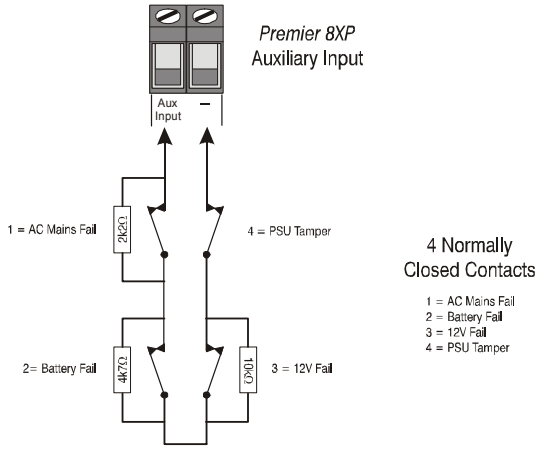


To enable 2-Wire smoke detection on panel output 1, a jumper link must be fitted across the bottom two pins of JP6. The Area Option '2-Wire Smoke' also needs to be enabled (see page 45).

NOTE 2-Wire smoke detectors can only be connected to panel output 1.

Expander Auxiliary Input

This input can be used for monitoring a remote power supply that has a voltage free output for the following three conditions: AC Mains Fail, Battery Fail, 12V Fail and Tamper.



When the Auxiliary Input is programmed as 'PSU Monitor' the system will respond as follows:

Tamper	12V Fail	Battery Fail	A/C Fail	Resistance	Response
Closed	Closed	Closed	Closed	0R	No Faults
Closed	Closed	Closed	Open	2K2	AC Fail
Closed	Closed	Open	Closed	4K7	Battery Fail
Closed	Closed	Open	Open	6K9	Battery Fail + AC Fail
Closed	Open	Closed	Closed	10K	12V Fail
Closed	Open	Closed	Open	12K2	AC Fail + 12V Fail
Closed	Open	Open	Closed	14K7	Battery Fail + 12V Fail
Closed	Open	Open	Open	16K9	AC Fail + Battery Fail + 12V fail
Open	-	-	-	O/C	Lid Tamper

Plug-on Communicators

The *Com300* is a multi format 8-channel digital communicator/300-baud modem for use with a standard analogue telephone line.

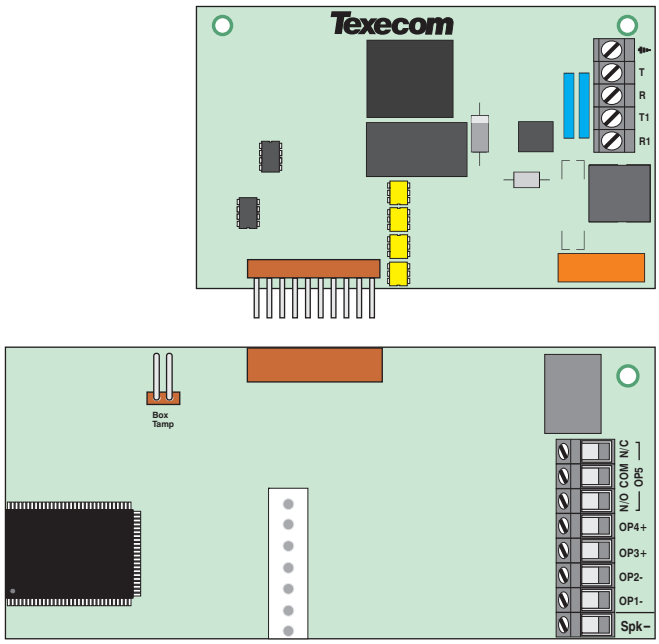
The *Com2400* is a multi format 8-channel digital communicator/2400-baud modem for use with a standard analogue telephone line in addition, this modem can also send Short Message Service (SMS) text messages to a mobile phone.

The *ComISDN* is a multi format 8-channel digital communicator/modem for use with an ISDN telephone line.

These Communicators can be used to report system events to an Alarm Receiving Centre using Fast Format, Contact ID or SIA Level II or to upload/download control panel information using the *Wintex UDL* software and a PC.

Plugging on the Communicator

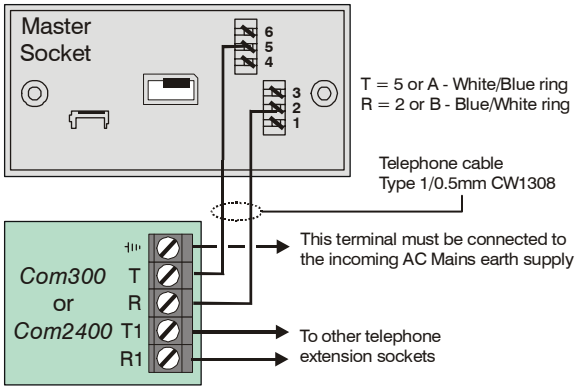
Ensure that the board is the correct way up (see below). Locate the plug into the communicator socket on the control panel and line up the mounting holes with the pillars in the base. Once all the holes line up, press down gently until the pillars snap into the holes.



Top Right Hand Corner *Premier 640* Control Panel

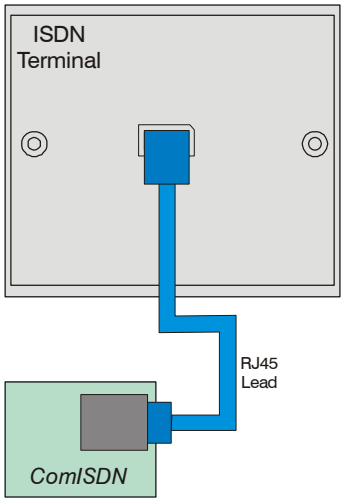
Standard Telephone Line Connections

A standard telephone line must be connected to the *Com300* or *Com2400* communicator as shown below:



ISDN Telephone Line Connections

An ISDN telephone line must be connected to the *ComISDN* communicator as shown below:



NOTE For details on testing the communicators, see page 67.

RP9 Radio-Pad

Before connecting the *Radio-Pad*, isolate ALL power from the control panel (AC mains and battery), do not continue if there is still power present on the control panel.

To install the *Radio-Pad* onto the control panel:

- Connect the Molex connector of the *RPD-Com* lead to Com2 on the control panel
- Connect the 25-Way D-Type connector of the *RPD-Com* to the Radio-Pad
- Locate the power lead connector into the socket at the bottom of the Radio-Pad
- Connect the Black lead to the DC- terminal on the control panel
- Connect the lead with the White stripe to the DC+ terminal on the control panel
- Follow the procedure for **Registering the Radio-Pad**

Registering the Radio-Pad

Whenever a Paknet Radio-Pad is installed or moved, it must be **registered** onto the network. To do this:

- Press and hold the test button on the front of the Paknet Radio-Pad
- With the test button still pressed, connect power to the control panel and wait for the yellow service light on the Radio-Pad to flash
- Release the test button

Within 2 minutes the yellow service light should stop flashing and remain steady. This means that the Paknet Radio-Pad has now selected and locked on to the Base Station with the strongest signal.

The Paknet Radio-Pad should be re-registered on every site visit, this is to ensure that any new Vodafone Packet Radio Service Base Stations in the vicinity are recorded by the Paknet Radio-Pad.

Programming the *Radio-Pad*

- Program Com 2 for *Radio-Pad* operation (see page 76 for details)
- Refer to the *Radio-Pad* installation guide for full programming details.

GSM Module

Before connecting the *GSM Module*, isolate ALL power from the control panel (AC mains and battery), do not continue if there is still power present on the control panel.

To install the *GSM Module* onto the control panel:

- Connect the Molex connector of the *GSM-Com* lead to Com2 on the control panel
- Connect the RJ45 connector of the *GSM-Com* to the GSM Module
- Locate the power Jack Plug into the socket at the bottom of the *GSM Module*
- Insert a SIM card into the bottom of the *GSM Module*
- Connect power to the control panel

Programming the *GSM Module*

- Program Com 2 for *GSM Module* operation (see page 76 for details)
- Refer to the *GSM Module* installation guide for full programming details.

AV Module

Before connecting the *AV Module*, isolate ALL power from the control panel (AC mains and battery), do not continue if there is still power present on the control panel.

To install the *AV Module* onto the control panel:

- Connect one end of the patch lead on to the Expansion Port of the *AV Module*
- Connect one other end of the patch lead on to the Expansion Port of the control panel

Programming the *AV Module*

- Program the Expansion Port for *AV Module* operation (see page 76 for details)
- Refer to the *AV Module* installation guide for full programming details.

ComIP Module

Before connecting the *ComIP Module*, isolate ALL power from the control panel (AC mains and battery), do not continue if there is still power present on the control panel.

To install the *ComIP* onto the control panel:

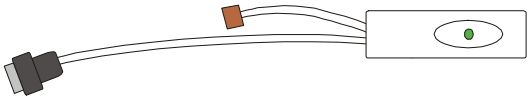
- Connect one end of the patch lead on to JP1 of the *ComIP*
- Connect one other end of the patch lead on to Com1 or 2 of the control panel

Programming the *ComIP Module*

- Program Com1 or 2 for Com*IP Module* operation (see page 76 for details)
- Refer to the *ComIP Module* installation guide for full programming details.

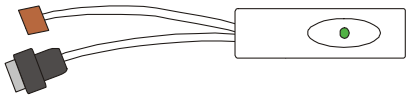
PC-Com

The *PC-Com* has two connectors. The 9-way D-type connector is for connection to a serial port on a computer and the Molex connector plugs onto Com 1 on the control panel.



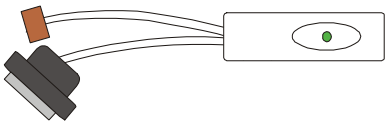
UNI-Com

The *UNI-Com* has two connectors. The 9-way D-type connector connects to any supported serial device, the Molex connector plugs onto Com 1 on the control panel.



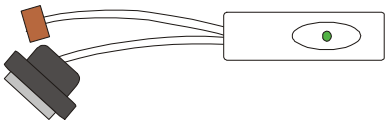
PRINT-Com

The PRINT-*Com* has two connectors. The 25-way D-type connector connects to a Serial Printer and the Molex connector plugs onto Com 1 on the control panel.



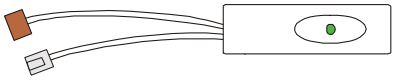
RPD-Com

The *RPD-Com* has two connectors. The 25-way D-type connector connects to a Paknet Radio-Pad and the Molex connector plugs onto Com 2 on the control panel.



GSM-Com

The *GSM-Com* has two connectors. The RJ45 connector connects to a GSM Module, the Molex connector plugs onto Com 2 on the control panel.



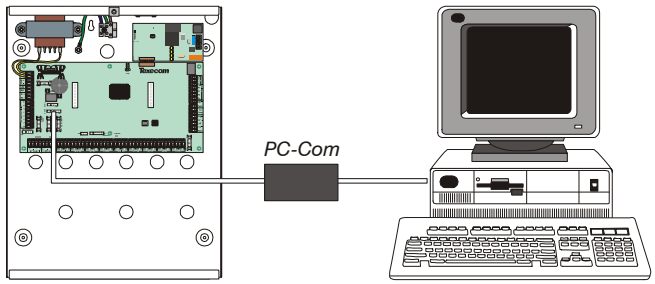
Connecting a Computer

The *Premier 640* supports local uploading and downloading between the control panel and a PC running *Wintex UDL* software. Uploading and Downloading can be used to program and interrogate the control panel.

In order for the computer to work correctly, ensure that it is set to the following:

- UDL Password (see page 73 for details)

NOTE In order to upload and download to the control panel locally, a *PC-Com* lead is required.



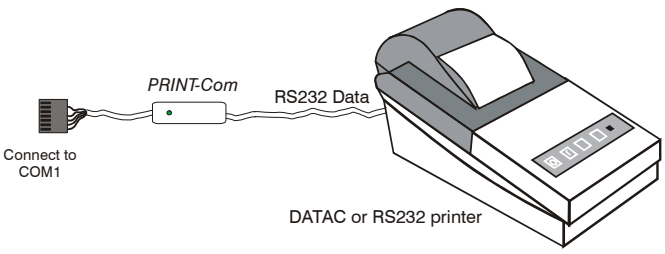
Connecting a Printer

The *Premier 640* supports printer facilities. The printer is connected to the Com 1 connector located on the control panel and can be used to print the control panel event log.

In order for the printer to work correctly, ensure that it is set to the following:

- Baud Rate = 4800
- Parity = None
- Start Bits = 1
- Stop Bits = 2
- Data Bits = 8
- DTR = Normal
- Columns = 40 or 80 (see page 50)

NOTE In order to connect a printer to the control panel, a *PRINT-Com* lead is required.



4. Commissioning and 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.

When applying power for the first time, the factory default settings must be loaded. The default settings ensure that the control panel software is reset and all programming information is loaded into memory.

The factory default settings are loaded by applying power to the control panel whilst at the same time, holding down the **Factory Default** button.

To default the control panel, proceed as follows:

- 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
- Press and hold the **Factory Default** button
- Press the battery kick-start button to connect the battery and ensure that the green heartbeat light illuminates
- After the heartbeat light has illuminated, let go of the **Factory Default** button (the heartbeat light will continue to flash whilst the factory default settings are being loaded, this can take up to 30 seconds)
- If the system goes into alarm, **enter the default Engineer code** (1) (2abc) (3def) (4ghi), and the alarm tone will stop
- To access the Engineer Programming Menu, **enter the default Engineer code** (1) (2abc) (3def) (4ghi)
- Program the system as described in section 6 (Programming the Control Panel)
- Perform a zone test as described on 94. Remember that some powered detectors (e.g. PIR's 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 95
- Replace the lid and secure with the lid screw supplied
- **Press (0_) followed by YES** to leave the programming menu, the system will return to normal
- The display will be showing that there is a 'Mains Power Off' condition. Switch on the AC mains supply to the control panel
- The normal banner message (if programmed) will now be displayed

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

Trouble-Shooting

Control Panel

No Power to unit (mains only)

- Check the mains block fuse and replace if blown
- Check for loose wires at the mains block, the transformer and the AC terminals on the PCB
- Check the mains block is connected correctly; live to live (brown), neutral to neutral (blue)

No Power to unit (battery only)

- Don't forget to press the battery kick-start button
- Check the battery fuse F2 and replace if blown
- Check for 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 (-)

Heartbeat LED is not flashing

- Remove ALL power (AC Mains and Battery) and then reapply power again

Network Data LED's are not flashing

- Remove ALL power (AC Mains and Battery) and remove ALL wires from the network terminals. Then re-apply power again before referring to the Network Diagnostics table on page 13

Keypads

Keypad does not operate

- Check that the keypad is wired correctly from the control panel (see page 13 for wiring details)
- Check the network fuses F3 and F5 and replace if blown
- Use the network diagnostics (see page 13 for details)

Keypad does not accept codes

- If the system has more than one keypad check that each keypad is addressed differently, see page 15 for details
- If the keypad is on a long cable run, check the voltage between the '+' and '–' terminals at the keypad and ensure that it measures no less than 10.0V
- Check that you are using the correct User codes. The default Engineer code is (1) (2abc) (3def) (4ghi) and the default Master User code is (5jkl) (6mno) (7pqrs) (8tuv)
- Check that the User code you are using is not 'Time Locked', if the User code is time locked then the access code will only be accepted when the Control Timer is off (see pages 52 and 88 for details)

Keypad zones do not operate

- Each keypad zone has to be mapped onto the system before it can be used (see page 57 for details)
- The zone is not programmed (see page 34 for details)

Keypad emergency keys do not operate

- Each keypad can be configured so that the emergency keys **PA**, **FIRE** and **MEDICAL** can be enabled or disabled. Check that the keypad has been programmed correctly (see page 57 for details)

Expander

Expander does not operate at all

- Check that the expander is wired correctly from the control panel (see page 13 for wiring details)
- Check the network fuses F3 and F5 and replace if blown

System does not recognise zones

- If the expander is on a long cable run, check the voltage between the + and – terminals at the expander and ensure that it measures no less than 10.0V

The speaker output does not work

- The expander can be configured so that Alarm, Entry, Exit, Chime tones etc. can be enabled or disabled. Check that the expander has been programmed correctly (see page 59 for details)
- The speaker volume on the expander is electronically adjustable. Check the volume is set to the desired level (see page 59 for details)

Zones

One or more zones show an alarm

- Check that the zone is wired correctly (see page 21 for wiring details)

Communicator

The Communicator will not dial

- By default the communicator is disabled, check that the communicator is enabled (see page 71 for details)
- Check that the telephone line has been correctly wired to the communicator (see page 25 for wiring details)
- Check that the telephone numbers are programmed correctly (see page 70 for details)
- Check that the account numbers are programmed correctly (see page 70 for details)
- Check that the dial attempts are not programmed as zero (see page 70 for details)
- Check that the reporting areas have been programmed correctly (see page 70 for details)
- Check that the reporting options have been programmed correctly (see page 70 for details)

Communicator dials but does not communicate

- Check that the telephone numbers are programmed correctly (see page 70 for details)
- Check that the correct protocol is programmed (see page 70 for details)

Operation

The system will not allow me to arm

- Check that there are no outstanding problems (see page 30 for details)
- Check that there are no outstanding alarms that require resetting
- Check that the User code has been programmed to allow arming (see page 86 for details)
- Check that the User code has been assigned to the correct areas (see page 85 for details)
- If a 'Local' User code is being used (see page 86 for details) ensure that the keypad being used is assigned to the correct area (see page 56 for details)

The system will not allow me to disarm

- Check that the User code has been programmed to allow disarming (see page 86 for details)
- Check that the User code has been assigned to the correct area(s) (see page 85 for details)
- If a 'Local' User code is being used (see page 86 for details) ensure that the keypad being used is assigned to the correct area (see page 56 for details)

Reset and Service Messages

When the system requires attention because of a potential problem, the display will show one of three service messages. These messages can also be accessed at any time, allowing the user to view installer information.

NOTE These messages would normally be programmed with the telephone numbers of the installer or the Alarm Receiving Centre (see page 53 for details).

To display the service messages, proceed as follows:

The display will normally show the time and date:

```
Tue 06 Mar 2001
```

Press (Menu) **followed by** (1) for the **Service** message:

```
Call Alarm Co.
  For Service
```

Press (Menu) **followed by** (2abc) for the **Reset** message:

```
Call Engineer to
  Reset System
```

Press (Menu) **followed by** (3def) for the **Anti-code** message:

```
Call ARC to
Reset System
```

Press (Reset) to exit from the message, the display will then return to normal.

When alarm information is being displayed, pressing the SCROLL key will slow down the display and also allow manual scrolling through the events.

Fault Warning Tones

When a fault condition occurs i.e. mains fail, line fault etc. the internal sounders will chime every 30 seconds for 3 minutes. The chiming will automatically stop when a valid User code is entered, when (Reset) is pressed or after 3 minutes (whichever occurs first). The fault indication will only be cleared from the display when the fault has been rectified i.e. power, telephone line has been restored.

Fault Messages

```
SYSTEM ALERTS!
Tue 06 Mar 2005
```
There are system faults waiting to be viewed, enter a valid user code to view the faults. After entering a code faults will be displayed for 30 seconds. If the fault is not reset within 30 seconds, this message will be displayed again.

```
Confirm Devices
 Tue 06 Mar 2001
```
The number of devices connected to the networks has changed from the last time a 'Confirm Devices' was done.

```
You need a user
to enable access
```
Engineer access is programmed for Engineer code + User code (see page 49 for details).

```
You need a user
to unarm system
```
The Engineers code was entered when the system was fully armed (access to the programming menu can only be gained when the system is not fully armed.

```
Alarm Engineer
Working On Site
```
The alarm engineer has logged into the programming menu and is working on site (this message will clear when the engineer logs off or the system is armed).

```
Mains Power Off
 Tue 06 Mar 2001
```
There has been an AC Mains failure.

```
ATS Path Fault
 Tue 06 Mar 2001
```
There is a fault with the ATS (Alarm Transmission System).

```
No Path Available
 Tue 06 Mar 2001
```
There are no ATS (Alarm Transmission System) paths available.

```
* NO BATTERY *
 Tue 06 Mar 2001
```
The Standby Battery has not been connected,

```
Battery Fault
 Tue 06 Mar 2001
```
There is a fault with the control panel standby battery or it is not connected.

```
Area Failed Test
 Tue 06 Mar 2001
```
Zones that have been placed on test have failed the test.

```
Panel Lid Tamper
 Tue 06 Mar 2001
```
There is a fault with the control panel lid tamper.

```
Bell Tamper
 Tue 06 Mar 2001
```
There is a fault with the bell tamper on the control panel.

```
Auxiliary Tamper
 Tue 06 Mar 2001
```
There is a fault with the auxiliary tamper on the control panel.

```
Bell Fuse Blown
 Tue 06 Mar 2001
```
The bell fuse on the control panel has blown.

```
Aux. Fuse Blown
 Tue 06 Mar 2001
```
The Auxiliary fuse on the control panel has blown.

```
RKP X,X Tamper
 Tue 06 Mar 2001
```
There is a fault with the lid tamper of Keypad X,X.

```
RKP X,X Lost
 Tue 06 Mar 2001
```
Keypad X,X has been lost off of the system.

```
EXP X,X Tamper
 Tue 06 Mar 2001
```
There is a fault with the lid tamper of Expander X,X

```
EXP X,X Lost
 Tue 06 Mar 2001
```
Expander X,X has been lost off of the system.

```
EXP X,X Lo Volts
 Tue 06 Mar 2001
```
The voltage at expander X,X is very low.

```
EXP Bell Tamp XX
 Tue 06 Mar 2001
```
The expander's Auxiliary input (that is programmed as bell tamper) is in fault.

```
EXP Aux Tamp XX
 Tue 06 Mar 2001
```
The expander's Auxiliary input (that is programmed as aux tamper) is in fault.

```
Service Required
 Tue 06 Mar 2001
```
The service timer has expired indicating that the system requires a service (the system can normally still be used).

```
Sorry, Code not
allowed use TAG
```
The user code is locked out (normally during entry). The system must be disarmed using a Prox TAG.

```
Remote Keypad is
now LOCKED out
```
To many invalid code attempts have caused the keypad to lock out. The keypad will remain like this for 5 minutes.

```
* Area Secured *
 Tue 06 Mar 2001
```
The keypad has been disabled to prevent unauthorised access. The display will automatically clear when it is re-enabled.

```
Time Arming >
    A.......
```
Areas are being armed using one of the control timers (enter a valid User code to defer the arming for 30 minutes).

5 Programming the Control Panel

Introduction

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

Before attempting to program the panel, it is recommended that the ***User Profiles*** and ***Area Profiles*** are carefully defined.

It is strongly recommended that the ***Premier 640*** is programmed via a PC or Laptop using ***Wintex UDL*** software. When using ***Wintex*** the programming menus are intuitive, so the manual describes programming through the remote keypad.

To access the Programming menu, **enter the factory default Engineer code** (1) (2abc) (3def) (4ghi).

If a mistake is made whilst entering the Engineer code, simply re-enter the correct code.

WARNING

When an Engineers code is entered to gain access to the Programming menu, by default ALL zones and tampers are disabled.

A menu option can then be selected by pressing one of the keys shown or by using the (◆) key to search. Once selected, **press YES** to access that option.

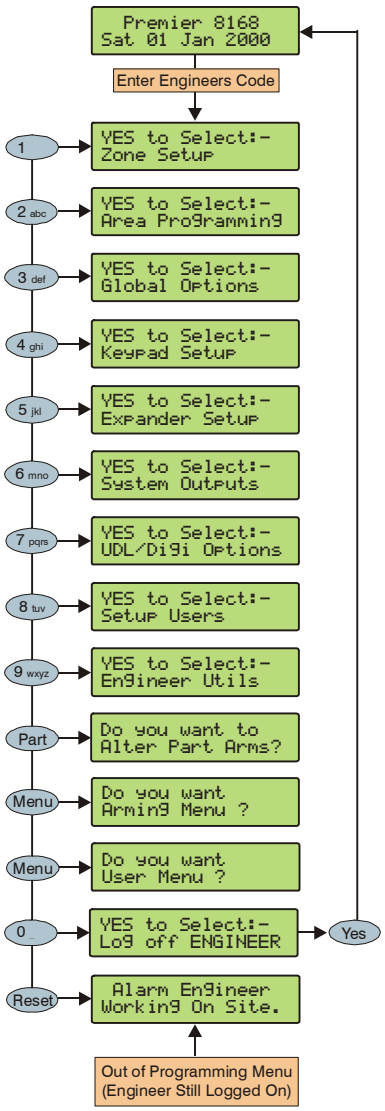
To leave the selected menu option and return to the main programming menu, **press** (Reset).

To exit from the Main Programming menu but still remain 'Logged' onto the system (zones and tampers still disabled), **press** (Reset) and the display will show 'Alarm Engineer Working On Site'.

To log the Engineer off the system, **press** (0) followed by **YES** and the system will revert to its normal condition.

The table below shows the menu options available:

Key	Menu Option	Page
(1)	Zone Setup	34
(2abc)	Area Programming	39
(3def)	Global Options	47
(4ghi)	Keypad Setup	56
(5jkl)	Expander Setup	58
(6mno)	System Outputs	60
(7pqrs)	UDL/Digi Options	67
(8tuv)	Setup Users	84
(9wxyz)	Engineer Utils	91
(Part)	Alter Part Arms	100
(Menu)	The Arming Menu	-
(Menu)	The User Menu	-
(0)	Log Off Engineer	33
(Reset)	Exit programming mode	33



Factory Defaults

The factory default programming is defined in the ***Factory Defaults and Quick Reference Guide*** supplied separately with the control panel.

Programming Menu Guide

Key	Main Menu	Key	Sub Menu
1	Zone Setup	Yes	Zone Types
		Yes	Zone Attributes 1
		Yes	Zone Attributes 2
		Yes	Zone Areas
		Yes	Zone Text
		Yes	Zone Chime
		Yes	Zone Test
		Yes	Zone Wiring
2 abc	Area Programming	0	Timers
		1	Arming Modes
		2 abc	Area Arm Suites
		3 def	Suite ArmText
		4 ghi	Suite Arm Modes
		5 jkl	Area Options
		6 mno	Time Arm Areas
		7 pqrs	Area Text
		8 tuv	Area Profiles
3 def	Global Options	0	System Timers
		1	System Config.
		2 abc	System Options
		3 def	Monitor Hardware
		4 ghi	Control Timers
		5 jkl	System Text
		6 mno	Part Arm Text
		7 pqrs	Holiday Dates
		8 tuv	Speaker Tones
		9 wxyz	PC Output Text
		▲▼	Custom O/P Text
4 ghi	Keypad Setup	Yes	Areas
		Yes	Zone Mapping
		Yes	Options
		Yes	Speaker Volume
		Yes	Sounder Options
5 jkl	Expander Setup	Yes	Areas
		Yes	Location Text
		Yes	Auxiliary Input
		Yes	Speaker Volume
		Yes	Sounder Options
6 mno	System Outputs	0	Panel Outputs
		1	Digi Outputs
		2 abc	Com? Channels
		3 def	RedCARE Pins
		4 ghi	Keypad Outputs
		5 jkl	Expander Outputs
		6 mno	Custom Outputs
		7 pqrs	X-10 Outputs
7 pqrs	UDL/Digi Options	0	Reset Digi
		1	Start Test Call
		2 abc	MSN Pre-Dial No
		3 def	Program Digi
		4 ghi	Digi Options
		5 jkl	UDL Options
		6 mno	Area Accounts
		7 pqrs	Setup Modules
		8 tuv	Com Port Setup
8 tuv	Setup Users	0	Add/Edit Users
		1	User Profiles
		2 abc	Access Profiles

Key	Main Menu	Key	Sub Menu
9 wxyz	Engineer Utils	0	View Event Log
		1	Do Bell Test
		2 abc	Do Walk Test
		3 def	View Zone Status
		4 ghi	System Tests
		5 jkl	Confirm Devices
		6 mno	View RKP Status
		7 pqrs	View Exp. Status
		8 tuv	Set System Time
		9 wxyz	Set System Date
		▲▼	Location Text
		▲▼	Print Log Data
		▲▼	Soak Test Areas
		▲▼	Change Eng. Code
		▲▼	Adjust Volumes
		▲▼	Default NVM Data
		▲▼	View iD Data
		▲▼	Configure Radio
Part	Part Arms	Omit	Part Arm 1
		Chime	Part Arm 2
		Part	Part Arm 3
Menu	Arming Menu	0	Exit Menu
		1	Arm System
		2 abc	Part Arm System
		3 def	Silent Arming
		4 ghi	Omit Zones
		5 jkl	Cancel Exit
		6 mno	Disarm Areas
		7 pqrs	Use Anti-code
		8 tuv	View Zone Status
		9 wxyz	Omit 24Hr Zones
		▲▼	Set Chime Areas
		▲▼	View Act. Faults
		▲▼	View Act. Counts
		▲▼	Send SMS Text
		▲▼	Defer Arming
Menu	User Menu	0	Exit Menu
		1	View Event Log
		2 abc	Change Code
		3 def	Edit Chime Zones
		4 ghi	System Tests
		5 jkl	Walk Test
		6 mno	Enable Engineer
		7 pqrs	Set System Time
		8 tuv	Set System Date
		9 wxyz	Override Timers
		▲▼	Alter Timers
		▲▼	Setup Users
		▲▼	Alter Part Arms
		▲▼	Call Remote PC
		▲▼	Alter Hol. Dates
		▲▼	Adjust Volumes
		▲▼	Print Event Log
		▲▼	Edit Phone No's
Reset	Exit programming menu (engineer still logged on)		
0	Log Off Engineer		

Programming Text

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

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

Key	Character															
0 _	_	0														
1	.	,	?	!	1	@	“	-	&	%	/	+	=	$	:	;
2 abc	A	B	C	2	a	b	c									
3 def	D	E	F	3	d	e	f									
4 ghi	G	H	I	4	g	h	i									
5 jkl	J	K	L	5	j	k	l									
6 mno	M	N	O	6	m	n	o									
7 pqrs	P	Q	R	S	7	p	q	r	s							
8 tuv	T	U	V	8	t	u	V									
9 wxyz	W	X	Y	Z	9	w	x	y	z							
◆	Move Cursor															
Reset	Backspace (delete)															
Chime	Copy Text															
Part	Paste Text															
Omit	Predictive Text															
No	Upper/Lowercase, Predictive text and Clear Screen															

The control panel also features Predictive text. This can be used to make inserting words easier, i.e. when spelling the word PIR, instead of typing 7444777, all that you need to do is type 747 and the word is automatically selected.

NOTE This feature can be turned on and off as required by pressing the Omit key and can also be automatically selected every time text mode is entered (see page 50 for details).

Copying and Pasting

When programming any items i.e. Zones, Timers, Options etc. pressing **C**HIME at any point will ‘**C**opy’ the information that has just been programmed into memory. To program another item using the information in memory, select the item and press **P**ART to ‘**P**aste’ the information.

NOTE Copying and Pasting can only be performed whilst in the same option i.e. if a zone has just been programmed as Guard 1/Omit/Access/Areas-ABC, **ALL** of that information can be copied into memory so that when another zone is selected, the same information can then be quickly pasted to the other zone.

The information held in memory after programming an item can only be pasted into an item of the same type and cannot be used once another option is selected i.e. Zone programming information cannot be pasted into Timers etc.

Log Off Engineer

Whenever the Engineer Programming menu is exited by pressing Reset twice, the display will look like this:

This message will remain on the display until the Engineer logs out of the Programming menu.

3 DEF To log out of Engineer Programming menu, proceed as follows:

Enter an Engineer code ? ? ? ?, the display should look like this:

Press 0 _ or Reset, the display should look like this:

Press Yes to return to normal, the display will look something like this:

The Engineer is now logged out of the Programming menu.

Resetting the Engineers Code (User 00)

If the Engineer code (User 00) has been lost or forgotten, it can normally be reset back to the factory default of 1 2 abc 3 def 4 ghi. However, this can only be done if the NVM has not been locked (see page 49 for details).

To Reset the Engineer code (User 00):

ENSURE THAT THE LID TAMPER IS CLOSED

Hold down the ‘Factory Default’ button for 6 seconds (with the control panel still powered), after 6 seconds, the sounders/keypads will bleep to indicate that the Engineer code has been reset.

NOTE NO other codes/programming will be affected, it is just the User 00 Engineer code that will be reset.

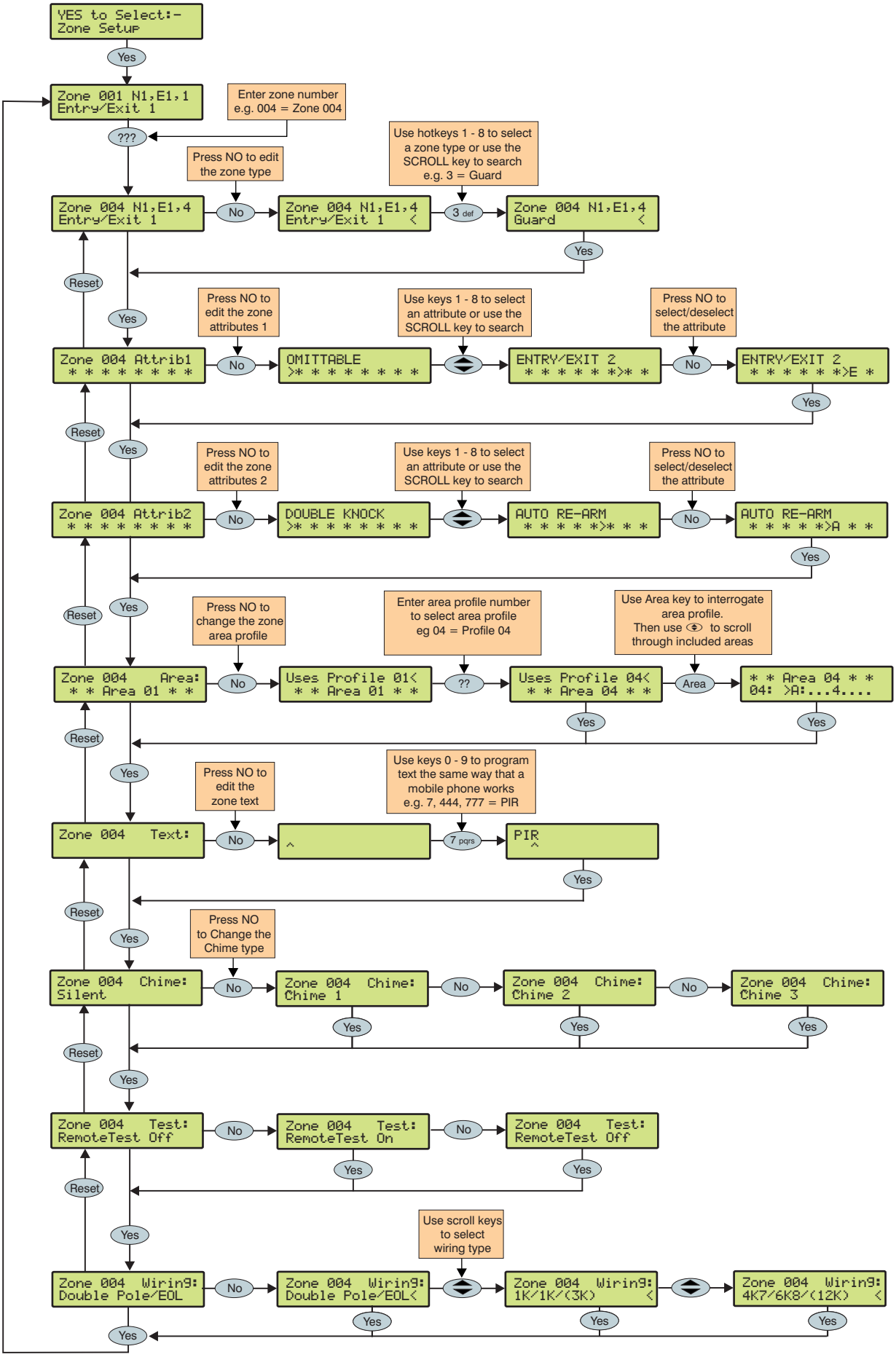
The Engineer (User 00) code can only be reset, if the NVM has not been locked (see page 49 for details).

Other Things to Know

The Menu key will always return to the previous menu level. This is often the only way to exit an option after programming it. Pressing Menu several times will always return to the top level menu and the logout screen.

The Area, Omit and Reset keys often provide shortcuts or extended functions, refer to individual programming options for details.

5.1 Zone Setup



Zone Types

Each zone must be programmed before it is recognised by the system.

Zone numbers are entered as a three digit number i.e. Zone 1 would be entered as 001. Each zone consists of a zone type, attributes, areas and zone text.

When programming zones, first select a zone type then select any required attributes, assign the zone to an area and then program any required zone text.

Zone Type + Zone Attributes + Zone Areas + Zone Text = Zone Programmed.

The following zone types are available:

0 - Not used
A zone that is not monitored by the system, unused zones should be programmed as 'Not Used' or linked out.

1 - Entry/Exit 1
Normally used for the main entry/exit door i.e. Front Door. The zone can be activated during the exit mode without causing a 'Fault'. Once the system/area is armed, activation of the zone will start the 'Entry 1 Delay' timer for the selected area.

2 - Entry/Exit 2
Normally used for another entry/exit door that requires a different entry delay i.e. Back Door, Garage Door etc. The zone can be activated during the exit mode without causing a 'Fault'. Once the system/area is armed, activation of the zone will start the 'Entry 2 Delay' timer for the selected area.

NOTE If any Entry/Exit zone remains active at the end of the entry time, it will automatically be omitted until the system has been unset and re-set.

If an Entry/Exit zone type is locked out, 'Guard Access' zones in the same area as the omitted Entry/Exit zone will automatically become 'Entry/Exit 1' zones to allow access into the premises without causing an alarm.

If an 'Entry/Exit 1 or 2' zone type is assigned the 'Entry/Exit 2' attribute (see page 36), when a zone with the 'Guard' attribute activates and causes an alarm (when the area is fully armed), the zone will become a 'Guard' zone for the duration of the 'Abort' timer.

3 - Guard
Normally used for detection devices such as PIR's, Door Contacts etc. This zone type will cause an Intruder alarm if it is activated when the system/area is armed. This zone type will also activate any output programmed as 'Guard Alarm'.

4 - Guard Access
Normally used for detection devices along the entry/exit route. This zone type will allow the user to walk past the detector without causing a 'Fault' during the exit mode or an Intruder alarm during the entry mode, however, the zone will cause an immediate Intruder alarm if activated at any other time. This zone type will also start the entry mode when the system/area is part armed and activate any output programmed as 'Guard Access Alarm'.

5 - 24Hr Audible
This zone type will cause an internal alarm if it is activated when the system/area is disarmed and will cause an Intruder alarm when the system/area is armed. The panel will also report a '24-Hour' alarm to the Alarm Receiving Centre when using 'Contact ID' reporting.

6 - 24Hr Silent
This zone type will cause a silent alarm if it is activated when the system/area is disarmed and will cause an Intruder alarm when the system/area is armed. The panel will also report a '24-Hour' Alarm to the Alarm Receiving Centre when using 'Contact ID' reporting.

7 - PA Audible
Normally used for monitoring Panic or hold-up alarms. This zone type will cause a Panic alarm if it is activated when the system/area is armed or disarmed.

8 - PA Silent
Normally used for monitoring Panic or hold-up alarms. This zone type will cause a silent Panic alarm if it is activated when the system/area is armed or disarmed.

9 - Fire
Normally used for monitoring smoke detectors. This zone type will cause a Fire alarm with distinctive fire tone if it is activated when the system/area is armed or disarmed. In addition, the bell output will pulse.

10 - Medical
This zone type will cause a Silent alarm if it is activated when the system/area is armed or disarmed. The panel will also report a Medical alarm to the Alarm Receiving Centre when using 'Contact ID' reporting.

11 - 24Hr Gas
This zone type will cause an Audible alarm if it is activated when the system/area is armed or disarmed. The panel will also report a 24-Hour Gas alarm to the Alarm Receiving Centre when using 'Contact ID' reporting.

12 - Auxiliary
This zone type will cause a Silent alarm if it is activated when the system/area is armed or disarmed. The panel will also report an Auxiliary alarm to the Alarm Receiving Centre when using 'Contact ID' reporting.

13 - Tamper
This zone type will cause an Internal alarm if it is activated when the system/area is disarmed and will cause an Intruder alarm when the system/area is armed.

14 - Exit Terminator
This zone type is used to finalise the arming procedure when arming the system/area (see page 40 for details).

15 - Moment Key
This zone type can be used to arm and disarm one or more areas. When the zone is activated and then secured the areas assigned to the zone will arm. When the zone is subsequently activated and then secured the system will disarm the areas assigned to the zone. Tamper faults will not arm or disarm anything, but will cause a Tamper alarm.

16 - Latch Key
This zone type can be used to arm and disarm one or more areas. When the zone is activated, the areas assigned to the zone will arm. When the zone is secured, areas assigned to the zone will disarm. Tamper faults will not arm or disarm anything, but will cause a Tamper alarm.

17 - Security
This zone type can be used to Lockout keypads. When the zone is activated, keypads assigned to the same area will not accept any key presses. When the zone is secured, all keypads respond as normal.

18 - Omit Key
This zone type will isolate any zone assigned to the same area as long as it has the 'Omit' attribute.

19 - Custom
This zone type can be programmed to operate as required using its own set of attributes (see page 37 for details).

Zone Attributes 1

Attributes can be assigned to a zone to alter its operation i.e. a Guard zone with the 'Access' attribute will allow the user to walk past the detector without causing a 'Fault' during the exit mode or an Intruder alarm during the entry mode.

Select attributes by pressing keys 1 to 8 (a letter on the display means the attribute is selected, a Dot on the display means the attribute is not selected).

The following attributes are available:

O - OMITTABLE

Zones with this attribute can be manually omitted.

Zones without this attribute cannot be manually omitted.

F - FORCE OMIT

Zones with this attribute will be omitted if they are not secure at the end of the exit mode.

Zones without this attribute will cause an 'Arm Fail' if they are not secure at the end of the exit mode.

1 - PART 1 OMIT

Zones with this attribute will be omitted when 'Part Arm 1' is selected.

Zones without this attribute will respond as normal.

2 - PART 2 OMIT

Zones with this attribute will be omitted when 'Part Arm 2' is selected.

Zones without this attribute will respond as normal.

3 - PART 3 OMIT

Zones with this attribute will be omitted when 'Part Arm 3' is selected.

Zones without this attribute will respond as normal.

A - ACCESS

Zones with this attribute will not cause a 'Fault' during the exit mode or an Intruder alarm during the entry mode. However, if the zone is activated at any other time an Intruder alarm will occur.

Zones without this attribute will respond as normal.

E - ENTRY/EXIT 2

Zones with this attribute will start the 'Entry Delay 2' timer for the selected area when the area is part armed.

NOTE 'Entry/Exit 1 or 2' zones with this attribute will become a 'Guard' zone for the duration of the 'Abort' timer if a zone with the 'Guard' attribute activates and cause an alarm (when the area is fully armed).

Zones without this attribute will respond as normal.

G - GUARD

Zones with this attribute will cause an Intruder alarm when the area is part armed (this would normally be used on 'Entry/Exit 1 or 2' zone types).

NOTE When the area is fully armed, activation of a zone with this attribute will cause any 'Entry/Exit 1 or 2' zone with the Entry/Exit 2 attribute to become a 'Guard' zone for the duration of the 'Abort' timer.

Zones without this attribute will respond as normal.

Zone Attributes 2

Select attributes by pressing keys 1 to 8 (a letter on the display means the attribute is selected, a Dot on the display means the attribute is not selected).

The following attributes are available:

D - DOUBLE KNOCK

Zones with this attribute will only cause an alarm if it is activated twice within the 'Double Knock' time window or for the duration of the time window.

Zones without this attribute will respond as normal.

B - BEAM PAIR

Zones with this attribute will only cause an alarm if two zones (assigned to the same area) with this attribute are activated within the 'Beam Pair' time window.

Zones without this attribute will respond as normal.

T - ON TEST

Zones with this attribute will not cause an alarm if activated during the 'Soak Test Time' (see page 47 for details). However, the system will record the event in the log and indicate to the user that the zone has failed the test. A test failure will NOT prevent the user from arming and will clear when an Engineer code is entered.

Zones without this attribute will respond as normal.

A - ACTIVITY

Zones with this attribute will cause an activity fault to be displayed at the time of arming if they have not been activated during the 'Activity Delay' period. If 'Config. option 14' (see page 49 for details) has been set to 'Activity Fault Bar' the system/area cannot be armed until the zone has been activated (forced walk test).

Zones without this attribute will respond as normal.

R - RESET

Zones with this attribute will not be monitored during the 'Detector Reset' period i.e. when the exit mode is started and power is removed from certain detectors (to reset them) the 'Fault' on the zone is ignored.

Zones without this attribute will be monitored as normal.

A - AUTO RE-ARM

Zones with this attribute will only re-arm at the end of the bell duration providing that the 're-arm' limit has not been reached (see page 51 for details). Once this limit has been reached, the zone will lock out and not cause any further Intruder alarms.

Zones without this attribute will always re-arm at the end of the bell duration.

Q - QUICK RESPONSE.

The response time of the zones with this attribute is governed by the 'Zone Loop' response Timer (see page 47 for details).

The response time of a zone without this attribute is fixed at 250mS.

E – ENGINEER ALARM

Zones with this attribute will cause an Intruder alarm when activated if the engineer arms the system/area.

Zones without this attribute will not cause an Intruder alarm when activated if the engineer arms the system/area.

Attributes for Moment or Latch Keys

Select attributes by pressing keys 1 to 8 (a letter on the display means the attribute is selected, a Dot on the display means the attribute is not selected).

The following attributes are only available for 'Moment Key' or 'Latch Key' zone types.

I - INSTANT ARM

When using a key switch, the area will arm instantly.

P - PART ARMING

When using a key switch, the area will 'Part' arm.

F – FULL ARM DISABLE

When using a key switch to 'Full' arm an area, the key switch is disabled once the area is armed.

D - DISARM ONLY

The key switch cannot be used for 'Arming' (it can only be used for 'Disarming').

F - SILENTARMING

When arming using a key switch, the selected areas will arm silently.

T - TIME ARM DISABLE

Activation of the key switch will override the 'Time Arming' feature on the control panel and prevent it from operating until the zone is reinstated.

K - KEY TUBE

A key switch zone type with this attribute will log when the zone is activated and also when the zone is restored.

Attributes for Custom Zones

Select attributes by pressing keys 1 to 8 (a letter on the display means the attribute is selected, a Dot on the display means the attribute is not selected).

The following attributes are only available for 'Custom' zone types.

I - INTERNAL

Activation of this zone (when armed) will cause the internal sounders to activate.

B - BELL/STROBE

Activation of this zone (when armed) will cause the external sounder/strobe to activate.

M - MONITOR 24Hr

The zone is armed at all times.

C - ENABLE COMS

Activation of this zone (when armed) will cause the area 'Alarm' output to activate.

NOTE Any Custom zone with this attribute will activate both the internal and external sounders even if they are not enabled above.

W - WARNING REQ.

If the zone remains Active for the duration of the 'Warning Delay' timer (see page 48), a warning tone will occur every 30 seconds for 3 minutes (or until a code is entered or Reset is pressed).

NOTE If MONITOR 24Hr is enabled, an internal alarm will occur after the Warning Delay.

Zone Areas

The *Premier 640* provides 80 ***Area Profiles***. Each zone can be allocated to an ***Area Profile*** which will determine which area(s) it is assigned to.
See page 46 for ***Area Profile*** programming.

NOTE If a zone is assigned to an ***Area Profile*** that contains more than one area, it will only be recognised by the system when all areas it is assigned to, are armed.

Zone Text

Each zone can have up to 32 characters of descriptive text assigned to it. Text is programmed in a similar way to mobile phones. Select characters 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 a more information, see page 33.

The control panel also features Predictive text. This can be used to make inserting words easier, i.e. when spelling the word PIR, instead of typing 7444777, all that you need to do is type 747 and the word is automatically selected.

NOTE This feature can be turned off if required by pressing the Omit key and can also be automatically selected every time text mode is entered.

Zone Chime

Each zone can be programmed to chime the internal sounders using one of the available chime tones when activated.

Remote Test Enable

Any zone with this attribute will be tested when the remote test function is initiated from ***Wintex.*** Any detector on a zone with the remote test attribute will be expected to go into alarm during the remote test, if it does not go into alarm, the detector will be reported as faulty.

NOTE This facility is only to be used in conjunction with system output type 47 ***'Detector Test'*** see page 63.

Zone Wiring

Zone wiring connections are shown on page 21 the following programming options are available.

0 - Normally Closed
For use on normally closed devices without tamper protection. Normally used for keyswitches. See ***Normaly Closed*** wiring diagram on page 21

1 - Normally Open
For use on normally closed devices without tamper protection. Normally used for keyswitches. See ***Normaly Open*** wiring diagram on page 21

2 - Double Pole/EOL
Default zone wiring configuration as shown on page 21

3 - Triple EOL
Standard Texecom TEOL as illustrated on page 21, use this wiring type for all Texecom anti masking detectors.

4 - 1K/1K/(3K)
Alternative TEOL configuration with 1K alarm resistor, 3K fault resistor and 1K EOL resistor

5 - 4K7/6k8/(12K)
Alternative TEOL configuration with 6K8 alarm resistor, 12K fault resistor and 4K7 EOL resistor.

6 - 2K2/4K7/(6k8)
Alternative TEOL configuration with 4K7 alarm resistor, 6K8 fault resistor and 2K2 EOL resistor

7 - 4K7/4k7
Alternative EOL configuration with 4K7 alarm resistor and 4K7 EOL resistor.

8 - WD Monitor
Specialised wiring configuration for monitoring warning devices with fault reporting capability. Only use this wiring type on zones types programmed as ***Auxilliary***. Normally wired as a ***Normally Closed*** circuit.

DD 243

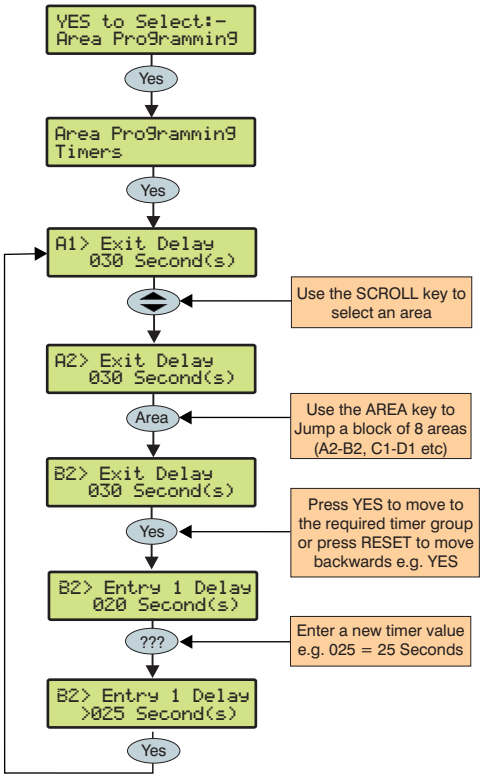
To comply with DD 243, during the normal entry delay, the control panel must prevent a Confirmed Intruder Alarm from being reported to the Alarm Receiving Centre.

WARNING

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.

5.2. Area Programming

Timers



These groups of 'Area' timers control timing and delay functions for areas A1 – H8. Each timer can be programmed for any value between 000 and 999.

1 - Exit Delay- for Areas A1 to H8
When the area exit mode is programmed as 'Timed' this timer controls the delay between the user initiating the exit mode for the selected area and the area actually.

2 - Entry 1 Delay - for Areas A1 to H8
If the area is armed and an 'Entry/Exit 1' zone is activated, this timer will start and the entry tone will be heard. If the area is not disarmed before this timer expires, the '2nd Entry Delay' timer will start.

3 - Entry 2 Delay - for Areas A1 to H8
If the area is armed and an 'Entry/Exit 2' zone is activated, this timer will start and the entry tone will be heard. If the area is not disarmed before this timer expires, the '2nd Entry Delay' timer will start.

4 - 2nd Entry Dly - for Areas A1 to H8
When the area 'Entry Delay 1 or 2' timer expires, this timer will start and an Internal alarm will occur. If the area is still not disarmed before this timer expires, an Intruder alarm will then occur.

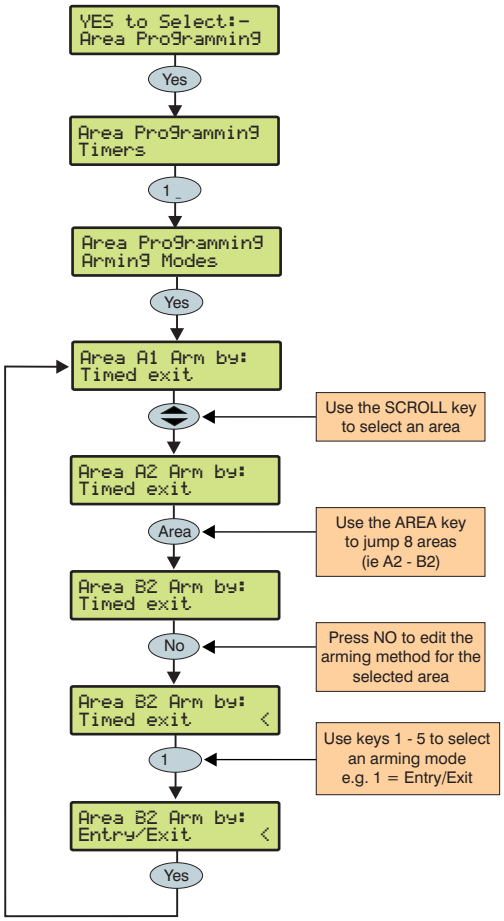
5 - Bell Delay - for Areas A1 to H8
This timer controls the delay between an Intruder alarm occurring in the selected area and the 'Bell/Strobe' output activating.

6 - Bell Duration - for Areas A1 to H8
This timer controls the duration of the 'Bell' output after an Intruder alarm has occurred in the selected area and any programmed 'Bell Delay' has expired.

7 - Coms Delay. for Areas A1 to H8
This timer controls the delay between an Intruder alarm occurring in the selected area and the communicator reporting to the Alarm Receiving Centre.

8 - Part Bell Dly. for Areas A1 to H8
When the selected area is 'Part Armed' this timer controls the delay between an Intruder alarm occurring in the selected area and the 'Bell/Strobe' output activating, the internal sounders will also sound during this time as a warning.

Arming Modes



The way that an area arms can be configured for any of the following options:

1 - Entry/Exit
The area will arm after the 'Entry/Exit' door has been closed and the 'Exit Settle' timer has expired.

2 - Exit Term.
The area will arm after the 'Entry/Exit' door has been closed, the 'Exit Terminator' button has been pressed and the 'Exit Settle' timer has expired.

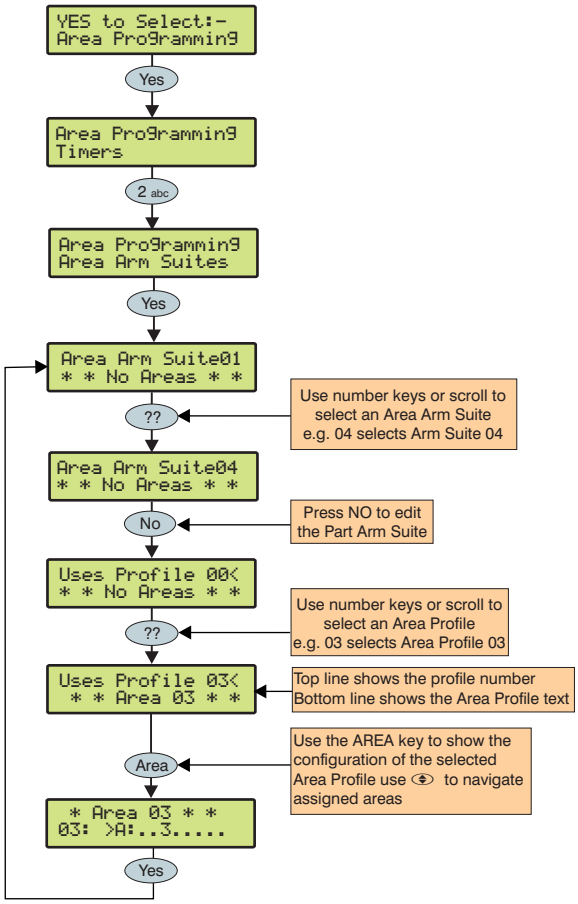
3 - Timed Exit
The area will arm after the programmed 'Exit Time' has expired.

NOTE If an 'Exit Terminator' zone is activated at any point during the exit mode, any remaining exit time is cancelled and the area will arm immediately.

4 - Instant
The area will arm instantly.

5 - Deferred
The area will arm after the programmed 'Exit Time' has expired. However, if any zones not on the exit route are activated during the exit mode, the 'Exit Time' is restarted.

Area Arm Suites



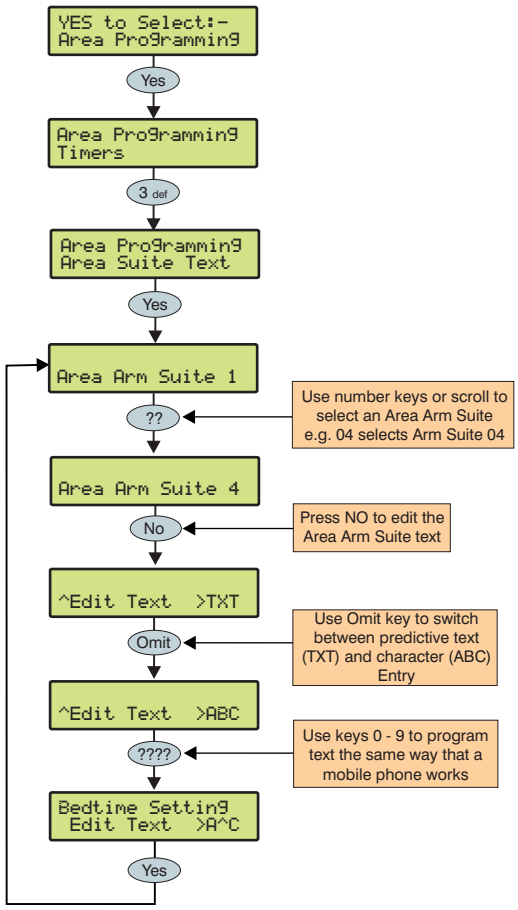
The *Premier 640* has 16 Area Arm Suites. Any number of areas can be assigned to each suite via Area Profiles. Assigning an Area Profile to an Area Arm Suite will assign all areas in the Area Profile to the Area Arm Suite. Areas assigned to an Area Arm Suite will be armed when the suite is selected, making it easier for the user to select multiple areas if required.

NOTE Descriptive text may also be assigned to the Area Arm Suite (see page 41 for details).

Area Arm Suite Controller
The suites can be assigned to keypads so that different combinations of areas can be armed or disarmed depending on which keypad is used (see page 57 for details) and operates as follows:

- Keypad 1 = Area Arm Suite 1, Keypad 2 = Area Arm Suite 2, Keypad 3 = Area Arm Suite 3 etc.
- When a User code is entered at a keypad, one of the 'Area Arm Suites' is selected (depending on which keypad was used) and the areas contained within that suite (via the Area Profile) will arm using the arming mode for that suite, the keypad sounder will also follow the areas defined by the suite.

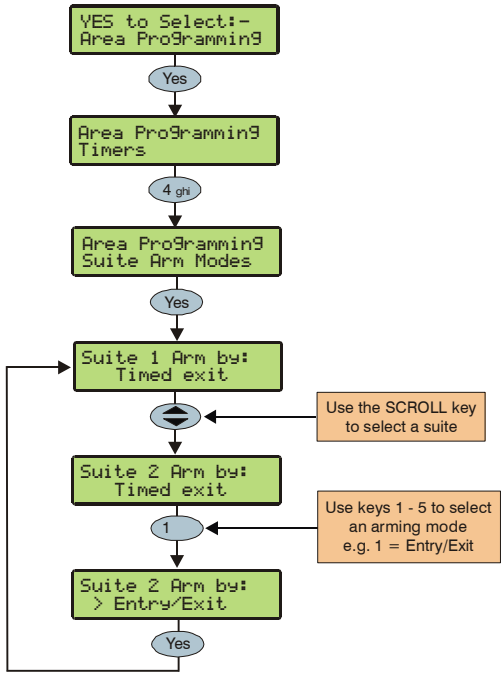
Area Suite Text



Text may be assigned to the Area Arm Suites to allow the user to select the suites by description instead of number. Up to 16 characters of text can be programmed for each suite.

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

Suite Arm Modes



The way that an Area Arm Suite arms when selected, can be configured for any of the following options:

1 - Entry/Exit
The suite will arm after the 'Entry/Exit' door has been closed and the 'Exit Settle' timer has expired.

2 - Exit Term.
The suite will arm after the 'Entry/Exit' door has been closed, the 'Exit Terminator' button has been pressed and the 'Exit Settle' timer has expired.

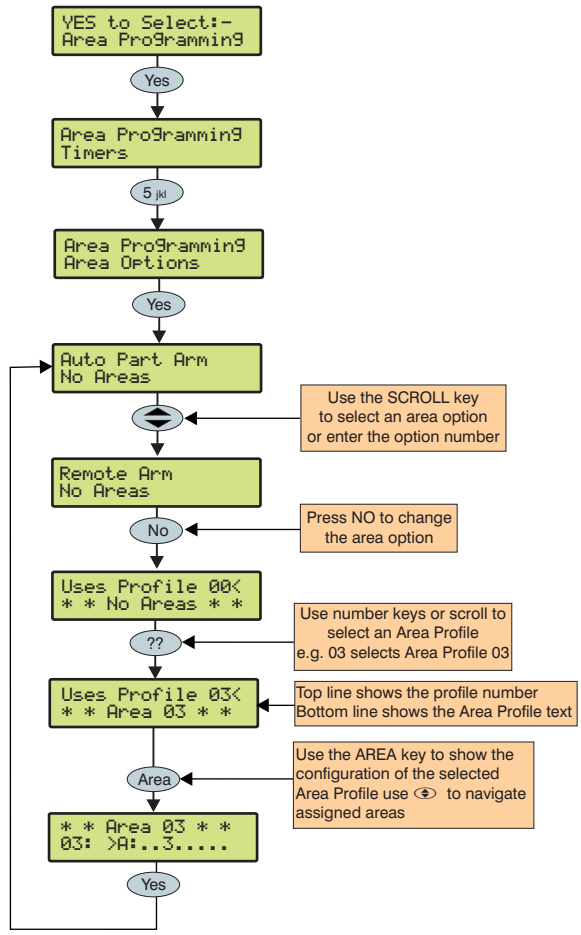
3 - Timed Exit (Default for All Areas)
The suite will arm after the programmed 'Exit Time' has expired.

NOTE If an 'Exit Terminator' zone is activated at any point during the exit mode, any remaining exit time is cancelled and the area will arm immediately.

4 - Instant
The suite will arm instantly.

5 - Deferred
The suite will arm after the programmed 'Exit Time' has expired. However, if any zones not on the exit route are activated during the exit mode, the 'Exit Time' is restarted.

Area Options



These options control how various features affect each area. Areas are assigned via Area Profiles.

1 - Auto Part Arm
Areas assigned to 'Auto Part Arm' will fully arm if an 'Entry/Exit' zone is activated during the exit mode and will 'Part Arm 1' if an 'Entry/Exit' zone is not activated during the exit mode.

Areas not assigned to 'Auto Part' will always fully arm.

2 - Part Arm Instant
Areas assigned to 'Part Arm Instant' will arm instantly when part arming.

Areas not assigned to 'Part Arm Instant' will use the area exit timer when part arming.

3 - Part Arm Silent
Areas assigned to 'Part Arm Silent' will never generate Exit tones when part arming.

Areas not assigned to 'Part Arm Silent' will always generate Exit tones when part arming.

4 - Remote Arm
Areas assigned to 'Remote Arm' can be armed remotely using the *Wintex UDL* software and a PC.

Areas not assigned cannot be armed remotely.

5 - Remote Disarm
Areas assigned to 'Remote Disarm' can be disarmed remotely using the *Wintex UDL* software and a PC.

Areas not assigned to 'Remote Arming' cannot be disarmed remotely.

6 - Panel Tamper
Areas assigned to 'Panel Tamper' will cause a Tamper alarm when the control panel cover is removed.

Areas not assigned to 'Panel Tamper' will never cause a Tamper alarm when the control panel cover is removed.

7 - Bell Tamper
Areas assigned to 'Bell Tamper' will cause a Tamper alarm when the Bell tamper loop is broken.

Areas not assigned to 'Bell Tamper' will never cause a Tamper alarm when the bell tamper loop is broken.

8 - Auxiliary Tamper
Areas assigned to 'Auxiliary Tamper' will cause a Tamper alarm when the Auxiliary tamper loop is broken.

Areas not assigned to 'Auxiliary Tamper' will never cause a Tamper alarm when the auxiliary tamper loop is broken.

9 - Panel Speaker
Areas assigned to 'Panel Speaker' will cause the control panel speaker to activate when those areas are in alarm, entry and exit etc.

Areas not assigned to 'Panel Speaker' will never cause the control panel speaker to activate when those areas are in alarm, entry and exit etc.

10 - Bell & Strobe op
Areas assigned to 'Bell & Strobe op' will cause the 'Bell/Strobe' output on the control panel to activate when an alarm occurs in those areas.

Areas not assigned to 'Bell & Strobe op' will never cause the 'Bell/Strobe' output on the control panel to activate when an alarm occurs in those areas.

11 - Alarms Eng Reset
Each area can be programmed for Engineer or User reset following an Intruder alarm. Areas Assigned to 'Alarms Eng Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code

  If 'Anti-code Reset' is enabled (option 14) the assigned areas can also be reset using the Anti-code

Areas not assigned to 'Alarms Eng Reset' can be reset with any User code that is valid for those areas.

12 - Confirmed Reset
Each area can be programmed for Engineer or User reset following a Confirmed alarm. Areas Assigned to 'Confirmed Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code

  If 'Anti-code Reset' is enabled (option 14) the assigned areas can also be reset using the Anti-code

Areas not assigned to 'Confirmed Reset' can only be reset with any User code that is valid for those areas providing that 'Alarms Eng Reset' (option 14) is also programmed for user reset.

13 - Tamper Eng Reset
Each area can be programmed for Engineer or User reset following a Tamper alarm (when the area is unarmed). Areas assigned to 'Tamper Eng Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code
- If 'Anti-code Reset' is enabled (option 14) the assigned areas can also be reset using the Anti-code

Areas not assigned to 'Tamper Eng Reset' can be reset with any User code that is valid for those areas.

14 - Anti-code Reset

Each area can be programmed for Anti-code Reset following an Intruder or Tamper alarm. Areas assigned to 'Anti-code Reset' will respond as follows:

- The assigned areas can be reset using the Anti-code as well as an Engineer code

Areas not assigned to 'Anti-code Reset' can only be reset using an Engineer code or User code.

NOTE Areas can only be assigned to 'Anti-code Reset' if they are also assigned to 'Alarms Eng Reset'.

15 - ATS Path Faults

Areas assigned to 'ATS Path Faults' (ATS = Alarm Transmission System) will respond as follows when an ATS fault occurs.

- All keypads will display 'ATS Path Fault'
- All keypads and speakers assigned to the same area as the 'ATS Path Fault' will generate a Service tone every 30 Seconds until the fault is acknowledged by the User entering a valid code for that area
- An assigned area can be armed, as long as 'Arm With No ATS' is also assigned to that area (see option 16). However, a warning will be given to indicate the problem

Areas not assigned to 'ATS Path Faults' will never be affected by an ATS fault.

16 - Arm With No ATS

Areas assigned to 'Arm With No ATS' (ATS = Alarm Transmission System) can be armed when an ATS fault occurs in those areas (see option 15).

Areas not assigned to 'Arm With No ATS' can never be armed when an ATS fault occurs in those areas (see option 15).

17 - AC Mains Fail

Areas assigned to 'AC Mains Fail' will respond as follows when an AC mains failure occurs.

- All keypads will display 'AC Mains Fail'
- All keypads and speakers assigned to the same area as the 'AC Mains Fail' will generate a Service tone every minute until the fault is acknowledged by the User entering a valid code for that area
- An assigned area can be armed, as long as 'Arm With AC Fail' is also assigned to that area (see option 18). However, a warning will be given to indicate the problem

Areas not assigned to 'AC Mains Fail' will never be affected by an AC mains failure.

18 - Arm with AC Fail

Areas assigned to 'Arm With AC Fail' can be armed when an AC Mains fail occurs in those areas (see option 17).

Areas not assigned to 'Arm With AC Fail' can never be armed when an AC Mains fail occurs in those areas (see option 17).

19 - Full Arm Coms

Areas assigned to 'Full Arm Coms' will respond as follows:

- If the selected area is fully armed and an Intruder alarm occurs in that area, Intruder alarm events (for that area) are reported to the Alarm Receiving Centre after any programmed 'Digi delay' has expired

Areas not assigned to 'Full Arm Coms' will never report Intruder alarm events to the Alarm Receiving Centre when they are fully armed.

20 - Part Arm Coms

Areas assigned to 'Part Arm Coms' will respond as follows:

- If an assigned area is part armed and an Intruder alarm occurs in that area, Intruder alarm events (for that area) are reported to the Alarm Receiving Centre after any programmed 'Digi delay' has expired

Areas not assigned to 'Part Arm Coms' will never report Intruder alarm events to the Alarm Receiving Centre when the area is Part armed.

21 - Unarm Fire Coms

Areas assigned to 'Unarm Fire Coms' will respond as follows:

- If an assigned area is unarmed and a Fire alarm occurs in that area, Fire alarm events (for that area) will be reported to the Alarm Receiving Centre

Areas not assigned to 'Unarm Fire Coms' will never report Fire alarm events to the Alarm Receiving Centre when the area is unarmed.

NOTE Fire alarm events are always reported to the Alarm Receiving Centre when the area is armed regardless of whether the area is assigned to this option or not.

22 - Unarm Tamp. Coms

Areas assigned to 'Unarm Tamp. Coms' will respond as follows:

- If an assigned area is unarmed and a 24Hr or Tamper alarm or reportable fault occurs in that area, the event will be reported to the Alarm Receiving Centre

Areas not assigned to 'Unarm Tamp. Coms' will never report 24Hr or Tamper alarm events or faults to the Alarm Receiving Centre when the area is unarmed.

NOTE 24Hr and Tamper alarm events are always reported to the Alarm Receiving Centre when the area is armed regardless of whether the area is assigned to this option or not.

23 - Auto Arm Areas

Areas assigned to 'Auto Arm Areas' will respond as follows:

- When an assigned area is disarmed, the 'Auto Arm Delay' timer will start (see page 47 for details)
- Every time a detector in that area is activated, the timer is restarted
- If the timer is allowed to expire i.e. no detectors in the assigned area are activated, the area will arm itself

Areas not assigned to 'Auto Arm Areas' will never try to arm themselves.

24 - Area A Foyer

Area A1 can be used as a common area (automatically arms last and disarms first). Areas assigned to 'Area A Foyer' will cause the panel to respond as follows:

- When all assigned areas are armed, Area A1 will automatically arm itself
- When any one assigned area is disarmed, Area A1 will automatically disarm itself

Areas not assigned to 'Area A Foyer' will not affect the automatic arming of area A1.

25 - Log Part Omits
Areas assigned to 'Log Part Omits' respond as follows:

- When an assigned area is part armed, all the zones that are omitted for that area are logged in the event log

Areas not assigned to 'Log Part Omit' will never log the zones that are omitted in the event log when the area is part armed.

26 - Multi Knock Area
Areas assigned to 'Multi Knock Area' will respond as follows:

- Zones with the 'Double Knock' attribute will use the multiple knock value set up in system options for zone activations (see page 51 for details)

Areas not assigned to 'Multi Knock Area' will use the standard 2 knocks for zone activations.
For the 'Multi Knock Area' feature to work, the zone must be programmed with the 'Double Knock' attribute (see page 36 for details).

27 - UDL Keypad
Areas assigned to 'UDL Keypad' can be controlled i.e. armed, disarmed, reset etc. from the 'On Line Keypad' when using the *Wintex* software and a PC.

Areas not assigned to 'UDL Keypad' cannot be controlled i.e. armed, disarmed, reset etc. from the 'On Line Keypad' when using the *Wintex* software and a PC.

28 - Auto Chime (C2A)
Areas assigned to 'Auto Chime' will respond as follows:

- Zones assigned to the selected areas that have been programmed for 'Chime' will only chime when 'Custom Output 1, Stage A' is on

Areas not assigned to 'Auto Chime' will only chime when chime for that area is manually enabled by the user.

DD 243 Options

To comply with DD 243, during the normal entry delay, the control panel must prevent a Confirmed Intruder Alarm from being reported to the Alarm Receiving Centre.

If a Portable ACE i.e. Electronic Keyswitch, Key Fob, Tag, Swipe Card etc is being used for disarming, it is permissible for the Confirmed Intruder Alarm signal to be re-enabled after the entry delay has expired.

The following two options have been provided to ensure that the control panel can be programmed to comply with this standard if required.

WARNING

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.

29 - Confirm in Entry
Areas assigned to 'Confirm in Entry' will respond as follows:

- If the entry mode is started for the selected area and a Confirmed Intruder alarm occurs in that area, Confirmed Intruder alarm events (for that area) are reported to the Alarm Receiving Centre

Areas not assigned to 'Confirm in Entry' will never report Confirmed Intruder alarm events to the Alarm Receiving Centre during the entry mode.

NOTE To comply with DD 243, areas must NOT be assigned to this option, thus preventing Confirmed Intruder Alarms from being reported to the Alarm Receiving Centre during the entry mode.

30 - Conf. after Entry
Areas assigned to 'Conf. After Entry' will respond as follows:

- Alarm confirmation is ONLY disabled for the duration of the Entry Time and is RE-ENABLED once the Entry Time has expired, after which activation of a further two zones that are not on the entry route must occur before the Alarm Confirmation output will activate

Areas not assigned to 'Conf. After Entry' will never report Confirmed Intruder alarm events to the Alarm Receiving Centre after the entry delay has expired.

NOTE To comply with DD 243, areas must NOT be assigned to this option, thus preventing Confirmed Intruder Alarms from being reported to the Alarm Receiving Centre after the entry delay has expired.

If a Portable ACE i.e. Electronic Keyswitch, Key fob, Tag, Swipe Card etc. is used to disarm the system, it is permissible for the Confirmed Intruder Alarm signal to be re-enabled after the entry delay has expired. In this case, areas CAN be assigned to 'Conf. After Entry'.

31 - Part Arm Enabled
Areas assigned to 'Part Arm Enabled' can be Part Armed.

Areas not assigned to 'Part Arm Enabled' cannot be Part Armed.

32 - Bell Squawk
Areas assigned to 'Bell Squawk' will respond as follows:

- When all of the assigned areas are fully armed, the bell will activate once for 2 seconds, when any one of the assigned areas are disarmed, the bell will activate twice for 2 seconds and when any one of the assigned areas are disarmed following an alarm, the bell will activate five times for 2 seconds.

Areas not assigned to 'Bell Squawk' will not activate the Bell output when arming or disarming.

33 - FOB After Entry
Areas assigned to 'FOB After Entry' can only be disarmed with a Radio FOB once the Entry procedure has been started.

Areas not assigned to 'FOB After Entry' can be disarmed with a Radio FOB at any time.

34 - Armed = Coms

When Areas are assigned to 'Armed = Coms' the system will respond as follows:

- Communications and outputs (Alarm, Confirmed etc.) for ALL areas will only operate when all of the assigned areas are armed.

When No Areas are assigned to 'Armed = Coms' the system will respond as follows:

- Communications and outputs (Alarm, Confirmed etc.) for ALL areas will operate as normal.

35 - 2-Wire Smoke

Areas assigned to '2-Wire Smoke' will register a Fire Alarm when any 2-Wire Smoke detector activates.

Areas not assigned to '2-Wire Smoke' will not register a Fire Alarm when a 2-Wire Smoke detector activates.

36 - Faults Eng Reset

Each area can be programmed for Engineer or User reset following any Fault. Areas Assigned to 'Faults Eng Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code

  If 'Anti-code Reset' is enabled (option 11) the assigned areas can also be reset using the Anti-code

Areas not assigned to 'Faults Eng Reset' can be reset with any User code that is valid for those areas.

37 - No ATS Eng Reset

Each area can be programmed for Engineer or User reset following a "No ATS Available" fault (ATS = Alarm Transmission System). Areas Assigned to 'No ATS Eng Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code

  If 'Anti-code Reset' is enabled (option 11) the assigned areas can also be reset using the Anti-code

Areas not assigned to 'No ATS Eng Rst' can be reset with any User code that is valid for those areas.

38 - AC Fail Eng Reset

Each area can be programmed for Engineer or User reset following an AC Mains Fail. Areas assigned to 'AC Fail Eng Reset' will respond as follows:

- The assigned areas can only be reset using an Engineer code

  If 'Anti-code Reset' is enabled (option 11) the assigned areas can also be reset using the Anti-code

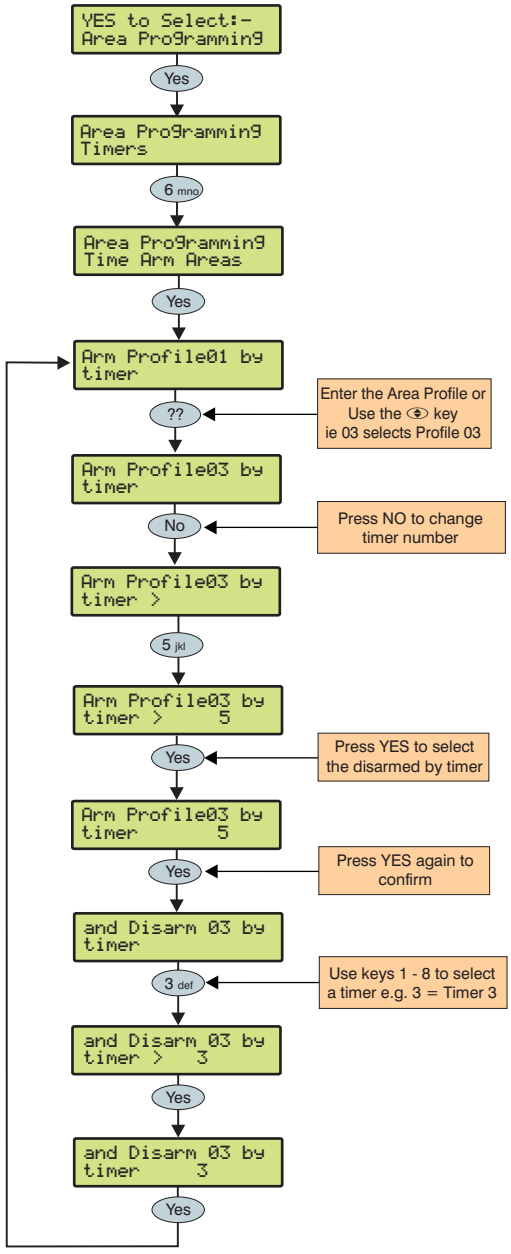
Areas not assigned to 'AC Fail Eng Reset' can be reset with any User code that is valid for those areas.

39 - Mask When Armed

Areas assigned to 'Mask When Armed' will register a Masking fault when the selected areas are armed and a Masking Fault occurs.

Areas not assigned 'Mask When Armed' will never register a Masking fault when the selected areas are armed and a Masking Fault occurs

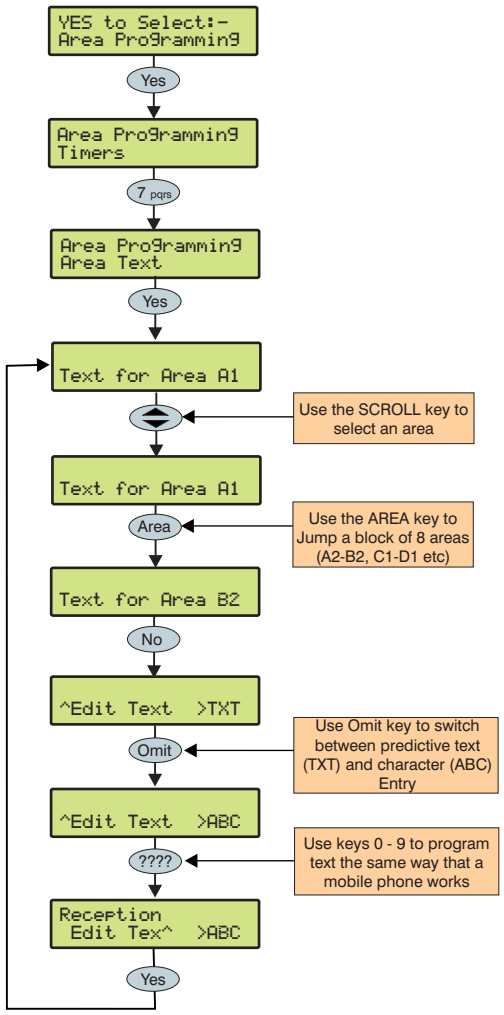
Time Arm Area



The alarm system as a whole or any number of individual areas can be automatically armed or disarmed using the built in control timers.

The *Premier 640* has 8 independent control timers that may be configured to switch on and off at different points of the day and operate on different days of the week (see page 52 for programming details).

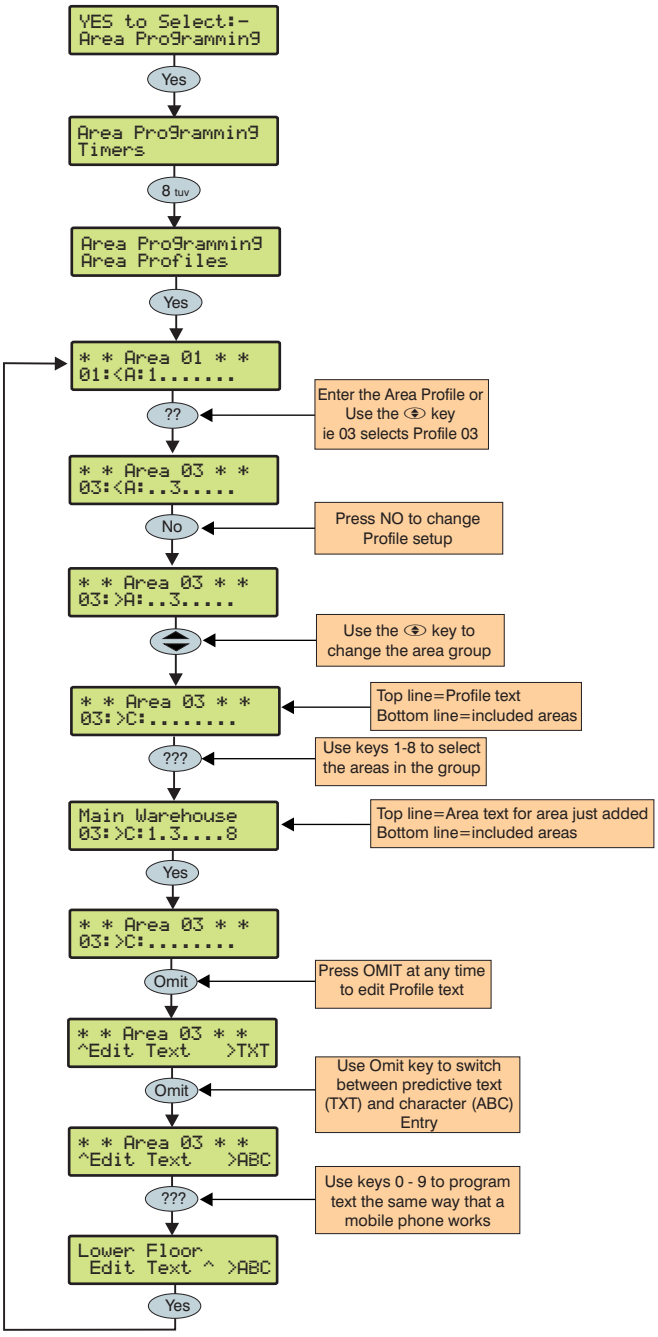
Area Text



Text may be assigned to each of the areas on the system. This allows the user to select the areas by description instead of a letter. A maximum of 16 characters can be programmed for each of the areas.

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

Area Profiles



Area profiles are used to define homogeonous groups of areas that belong to an entity such as a company, department or floor of a building.

Each profile can be annotated with a 16 character name.

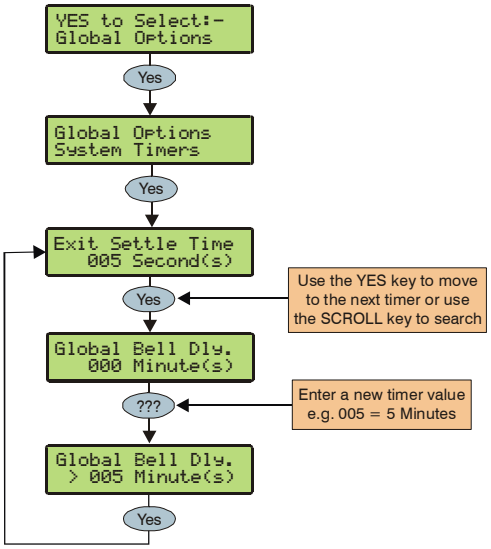
80 Area profiles are provided. Profile number 00 and 80 are special and cannot be edited (00-No Areas, 80-All Areas)

All other areas can be programmed with any combination of up to 64 Areas.

When an area profile is assigned to a User, Keypad or Expander, all of the areas assigned to the profile will are also assigned to the User, Keypad or Expander. Any changes to the profile will then be automatically carried through to all of its associations.

5.3 Global Options

System Timers



These timers control various timing and delay functions. Each timer can be programmed for any value between 000 and 999.

1 - Exit Settle Time
When using the 'Entry/Exit' or 'Exit Terminator' arming mode, some detectors along the exit route can remain active for a number of seconds following activation. This timer ensures that the detectors are given time to deactivate before the system/area arms.

2 - Global Bell Dly.
This timer controls the delay between an Intruder alarm occurring and the 'Bell/Strobe' output activating.

3 - Global Bell Dur.
This timer controls the duration of the 'Bell' output after an alarm has occurred and any programmed 'Global Bell Delay' time has expired.

4 - Double Knock Dly
If a zone has the 'Double Knock' attribute an alarm will only occur if the zone activates twice within this time window or once for the duration of this time window.

NOTE If multi knocks has been set up (see page 51 for details) the zone may have to be activated more than twice.

5 - Beam Pair Time
If a zone has the 'Beam Pair' attribute, an alarm will only occur if another zone with the 'Beam Pair' attribute (assigned to the same area) is activated within this time window.

6 - Activity Delay
If a zone has the 'Activity' attribute and it is not activated during this timer and 'Config. option 14' has been set to 'View Act. Fault' (see page 49 for details), it will be indicated to the user when they try to arm the system/area.

7 - Abort Delay
When an Intruder alarm occurs this timer is started, if the area is disarmed within this time window an 'Abort' event will be reported to the Alarm Receiving Centre. If the system is disarmed after this period the 'Abort' event is not reported.

8 - Courtesy Time
This timer controls the duration of the 'Courtesy' output type. The courtesy output activates whenever a keypad is being used and during the entry mode.

9 - Defer Arming By
If an area tries to 'Time Arm' and a valid User code is entered, this timer is started and the 'Time Arming' procedure is postponed. When this timer expires, the system/area will try to arm itself again.

10 - Auto Arm Delay
When an area assigned to 'Auto Arm Areas' is disarmed (see page 43 for details) this timer is started. Every time a detector in that area is activated, the timer is restarted. If the timer is allowed to expire i.e. no detectors in the assigned area are activated, the area will arm itself.

11 - Menu Time Out
This timer controls the length of time that a user can remain in a menu before the system automatically returns to the normal day mode.

12 - Pulse Period 1
This timer controls how long any output with the 'Pulse Period 1' attribute assigned to it will activate for.

13 - Pulse Period 2
This timer controls how long any output with the 'Pulse Period 2' attribute assigned to it will activate for.

14 - Pulse Period 3
This timer controls how long any output with the 'Pulse Period 3' attribute assigned to it will activate for.

15 - ATS Fault Delay
This timer controls the delay between a line fault occurring and an audible indication being generated by the system.

16 - AC Off Delay
This timer controls the delay between an AC Mains failure occurring and an audible indication being generated by the

17 - Batt Test Period
This timer controls the frequency of the dynamic battery test.

18 - Batt Test Time
This timer controls how long the dynamic battery test is carried out for.

19 - Soak Test Time
This timer controls the number of days a zone with the 'Test' attribute will remain on test for.

20 - Service Interval
This timer controls the frequency of the 'Service Required' condition occurring.

21 - Test Call Every
This timer controls how often a test call is made to the monitoring station. 024 = daily etc.

22 - Min. Random Time
This timer controls the minimum length of time that the 'Random' output attribute will activate for.

23 - Max. Random Time
This timer controls the maximum length of time that the 'Random' output attribute will activate for.

24 - Door Strike Time
This timer controls the length of time that the 'Door Strike' output will activate for whenever a code with the 'Door Strike' attribute is entered.

25 - Zone Response
This timer controls the length of time that a zone with the 'Quick Resp.' attribute, has to be activated for, in order to be recognised by the control panel.

26 - Keypad PA Delay
When keypad 'option 6' is programmed as 'PA Delayed' (see page 57 for details), and a keypad PA alarm (1 & 3) is activated, this timer starts. If a User code is entered before this timer expires, no PA alarm will occur. However, if a User code is not entered before this timer expires, a PA alarm will occur.

27 - Confirmation Dly
When an Intruder alarm occurs, this timer starts. If a second (different) zone is activated within this time window, the 'Confirmed' output will activate. When this timer expires, the 'Confirmed' output will no longer activate.

28 - Warning Delay
When a Custom zone with the 'Warning Req' attribute (see page 37 for details) activates, this timer is started. If the zone is still active when this timer expires a warning tone or alarm will occur and the Warning Output (see page 64 for details) will activate.

29 - Keypad Lock Time
When code tampers are programmed to lockout the keypad (see page 49 for details), the keypad will lock out for the duration of this timer.

30 - Eng. log off Dly
This timer starts when an Engineers code is entered. When the timer expires the engineer is automatically logged out of engineer's mode. This timer is suspended if there are tamper faults on the system allowing the engineer to remain in engineer's mode indefinitely whilst on site.

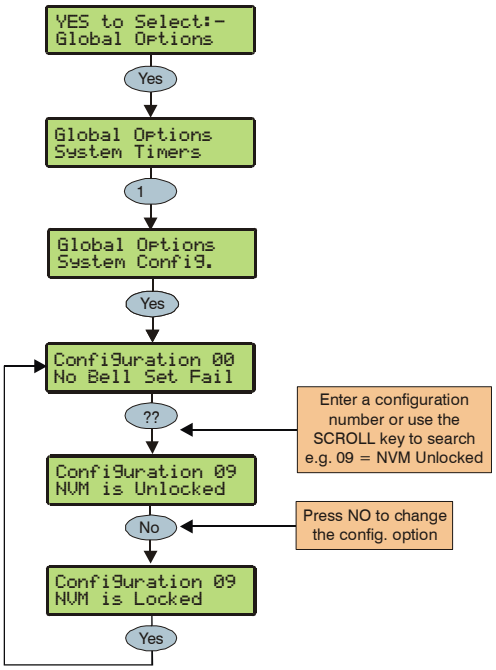
31 - Fire Bell Delay
This timer starts when a fire alarm is generated in a particular area. When the timer expires sounders are activated in ALL areas.

32 - Forced Entry Dly
When a zone with the 'Guard' attribute (see page 36 for details) activates, this timer is started. For the duration of this timer, any 'Entry/Exit 1 or 2' zone with the 'Entry/Exit 2' attribute (see page 36 for details) will become a 'Guard' zone. When this timer expires, the 'Entry/Exit 1 or 2' zone will revert back to its normal mode of operation.

33 - Supervision Time
This timer controls the frequency at which the RadioPLUS detectors are required to report in to the control panel.

34 - Poll IP Every
This timer controls the frequency that the ComIP Polls the ARC.

System Config.



These options control how various system functions work.

00 - No Bell Arm Fail
If an area fails to arm, an Internal alarm will occur and the 'Strobe' output will activate.

Bell on Arm Fail
If an area fails to arm, an Internal alarm will occur and the 'Bell' output will activate for 10 seconds.

NOTE The 'Strobe' output will also activate for 5 seconds to indicate that the system has armed/disarmed.

01 - Bell is an SAB
The 'Bell' output on the control panel applies 0V when active.

Bell is an SCB
The 'Bell' output on the control panel removes 0V when active.

02 - Clock is 24Hr
The system time is displayed in the 24-Hour format.

Clock is 12Hr (Default)
The system time is displayed in the 12-Hour format.

03 - Auto BST/GMT
The system clock will adjust itself at the beginning and the end of the summer (the clock will automatically gain 1Hr on the last Sunday in March and lose 1Hr on the last Sunday in October.

Manual BST/GMT
The system clock will not adjust itself at the beginning and the end of the summer (the clock will have to be adjusted manually).

04 - View Armed Areas
When the system is part armed, the areas that are armed are displayed and alarm information is displayed before a valid User code is entered.

Hide Armed Areas
When the system is part armed, the areas that are armed are not displayed and alarm information is only displayed after a valid User code has been entered.

05 Global Bell Time
When all areas are armed, the system uses the 'Global Bell Delay' and 'Global Bell Duration' timers (see page 47 for details).

Area Bell Time
When all areas are armed, the system uses the 'Area Bell Delay' and 'Area Bell Duration' timers (see page 39 for details).

06 - 24Hr Omit Global
'24-Hour' type zones can be omitted from any keypad.

24Hr Omit Local
Only keypads assigned to the same area as the '24-Hour' type zones can be used to omit the zone.

07 - Remove Omits
When zones have been 'Omitted' by a user, the zones will be automatically reinstated by the system when the area they are assigned to is next disarmed.

Leave Omits
When zones have been 'Omitted' by a user, the zones will remain omitted until the user reinstates them.

08 - Override Com Dly
If an area is 'Fully' armed and an Intruder alarm occurs in that area, Intruder alarm events (for that area) are reported to the Alarm Receiving Centre immediately.

Enforce Com Dly
If an area is 'Fully' armed and an Intruder alarm occurs in that area, Intruder alarm events (for that area) are reported to the Alarm Receiving Centre after any programmed 'Coms delay' has expired (see page 39 for details).

09 - NVM is Unlocked
The factory default settings can be reloaded by pressing the Factory Restart button during power up.

NVM is Locked
The factory default settings cannot be reloaded by pressing the factory default button during power up.

NOTE If the NVM is locked and the Engineer User code has been lost or forgotten, the control panel will have to be returned to Texecom to be unlocked.

10 - Engineer Only
Access to the Engineers Programming menus can be obtained by just entering the Engineer User code.

User + Engineer
Access to the Engineers Programming mode can only be obtained, if a User (with the 'Engineer Access' attribute) has authorised engineer access (see page 86 for details).

11 - Chime Audible
Zones programmed with the 'Chime 2 or 3' attribute will only generate a Chime tone.

Chime Visible (Default)
Zones programmed with the 'Chime 2 or 3' attribute will generate a Chime tone. The keypad will also display the number of the zone that was activated.

12 - Omit Tampers No
A user cannot omit Tamper faults on a zone.

Omit Tampers Yes
A user can omit Tamper faults on a zone.

13 - Offline Printing
If a printer is plugged onto the control panel, nothing will be printed unless a printout is requested (see page 98 for details).

Online Printing
If a printer is plugged onto the control panel, anything that is logged in the event log is also printed at the same time.

14 - Hide Act. Fault
If a zone with the 'Activity' attribute is not activated during the 'Activity Delay' time window, the area that the zone is assigned to can still be armed. However, this fault will be indicated to the user when they try to arm the area.

View Act. Fault
If a zone with the 'Activity' attribute is not activated during the 'Activity Delay' time window, the area that the zone is assigned to cannot be armed. This situation can only be overcome by activating the zone.

15 - Hide Exit Errors
If a user tries to arm an area and there are zones activated, the exit mode will continue (giving a visual and audible indication that there is a problem).

View Exit Error
If a user tries to arm an area and there are zones activated, the exit mode is suspended until all of the zones are secure.

16 - Enable Code Tampers
24 invalid key presses on a keypad will cause a Code Tamper condition (see option 17).

No Code Tampers
A Code Tamper condition will never occur when the keys on a keypad are pressed more than 24 times.

17 - Code Tamper Alarm
A Code Tamper condition will cause a Tamper alarm in the areas that the keypad is assigned to.

Code Tamper Lockout
A Code Tamper condition will cause the keypad to lockout for 5 minutes.

18 - Areas A-H & I-P
The first 8 areas will be displayed as letters A through to H and the last 8 areas will be displayed as letters I through to P.

Areas 1-8 & I-P
The first 8 areas will be displayed as numbers 1 through to 8 and the last 8 areas will be displayed as letters I through to P.

19 - Auto Area Select
When an Engineers code is entered to gain access to the programming mode, ALL Zones and Tampers are disabled i.e. if any Tampers, PA, Fire or Medical Alarms are activated - NOTHING WILL HAPPEN.

Man. Area Select
When an Engineers code is entered to gain access to the programming mode, the Engineer will have to select which areas are going to be worked on.

NOTE Zones and Tampers are only disabled for the selected areas all other areas will respond to zone activations and tampers as normal.

20 - Predictive Text
When in text editing mode, the control panel will automatically select predictive text.

Manual Text Edit
When in text editing mode, the control panel will automatically select normal text.

21 - Short = Tamper
The control panel will see a zone that is in the short circuit condition as a 'Tamper'.

Short = Active
The control panel will see a zone that is in the short circuit condition as 'Active'.

22 - R/R=Reset Only
When 0V is applied to the control panel R/R input, any areas programmed for anti-code reset (see page 43 for details) that are in alarm, will be reset.

R/R=Silence/RST
When 0V is applied to the control panel R/R input any areas programmed for anti-code reset (see page 43 for details) that are in alarm, will be silenced. When 0V is applied to the R/R input a second time, the areas will be reset (this would normally be used when Audio Verification is required).

23 - User Code Pulse
The control panel will see a zone that is in the short circuit condition as 'Active'.

User Code Latch
The control panel will see a zone that is in the short circuit condition as a 'Tamper'.

24 - Timed Test Call
A test call to the Alarm Receiving Centre will occur every time the 'Test Call Every' timer expires.

Test Call = CT7
A test call to the Alarm Receiving Centre will occur every time 'Control Timer 7' activates.

25 - Batt Test Timed
A battery test will occur every time the 'Batt Test Period' timer expires.

Batt Test = Disarm
A battery test will occur every time the system is disarmed or after the 'Batt Test Period' timer has expired (whichever occurs first).

26 - Bell = 1st Alarm
The 'Bell' and 'Strobe' outputs will activate after an Intruder alarm (1st Alarm) occurs.

Bell = 2nd Alarm
The 'Bell' and 'Strobe' outputs will activate after a Confirmed alarm (2nd Alarm) occurs.

27 - SNDR = 1st Alarm
The internal sounders will sound after an Intruder alarm (1st Alarm) occurs.

SNDR = 2nd Alarm
The internal sounders will sound after a Confirmed alarm (2nd Alarm) occurs.

28 - Conf. = Instant
Following the arming of the system/area, if two zones activate (causing a Confirmed alarm), the signal will be reported to the Alarm Receiving Centre immediately.

Conf. = Delayed
Following the arming of the system/area, if two zones activate (causing a Confirmed alarm), the signal will only be reported to the Alarm Receiving Centre after the 'Abort' time has expired.

29 - Abort=Eng.Reset
An Intruder alarm that is aborted can only be reset by an Engineer/Anti-code.

Abort=User Reset
An Intruder alarm that is aborted can be reset by any User.

30 – Auto AV Output
When using the AV Module, if a microphone is remotely selected, the corresponding output automatically activates.

Manual AV Output
When using the AV Module, if a microphone is remotely selected, the corresponding output must be activated manually.

31 - Clock = 50Hz
The internal clock on the control panel runs from the 50Hz main frequency.

Clock = Crystal
The internal clock on the control panel runs from the built-in crystal.

32 - 80 Column Print
Select this option when connecting an 80 Column printer to the control panel.

40 Column Print
Select this option when connecting an 40 Column printer to the control panel.

33 - Disable Text
Areas that are armed are displayed as letters on the bottom line of the display i.e. 'Armed: AB.D…'

Enable Text
Areas that are armed are displayed using their assigned text on the bottom line of the display i.e. 'Armed: Garage', 'Office' etc. (a different area is displayed every second).

34 - EN50131 Disabled
The Control Panels EN50131 options are disabled.

EN50131 Enabled
Keypad display 'blanking' is enabled i.e. the keypad will only display the time, date and the banner message. If information is available to be viewed i.e. AC Mains Fail, Line Fault, System Faults etc. the keypad will bleep every 30 seconds and display 'System Alerts', this information can only be viewed after a valid user code has been entered. The keypad display will then 'blank' again 30 seconds after.

The bell output will not activate, if an alarm occurs during the entry mode.

Duress Codes can only be programmed by an engineer

35 - 2nd Zone = Confirm
After the entry timer has expired, activation of 2 more zones is required to generate a Confirmed alarm

1st Zone = Confirm
After the entry timer has expired, activation of 1 more zone is required to generate a Confirmed alarm

36 - Keypads Global
Keypads show information for all areas.

Keypads Local
Keypads only show information that is relative to the area that the keypad is assigned to.

37 - Panel Grade 3
All options relating to PD6662: 2004/EN 50131-1 Grade 3 are enabled automatically. Also, the Premier Anti-code reset becomes a 6-digit number and all user codes can only be programmed as 5 or 6 digits.

Panel Grade 2
All options relating to PD6662: 2004/EN 50131-1 Grade 3 that are not required for Grade 2 are disabled automatically. Also, the Premier Anti-code reset becomes the standard 4 digit number and all user and engineer codes can be 4, 5 or 6 digits.

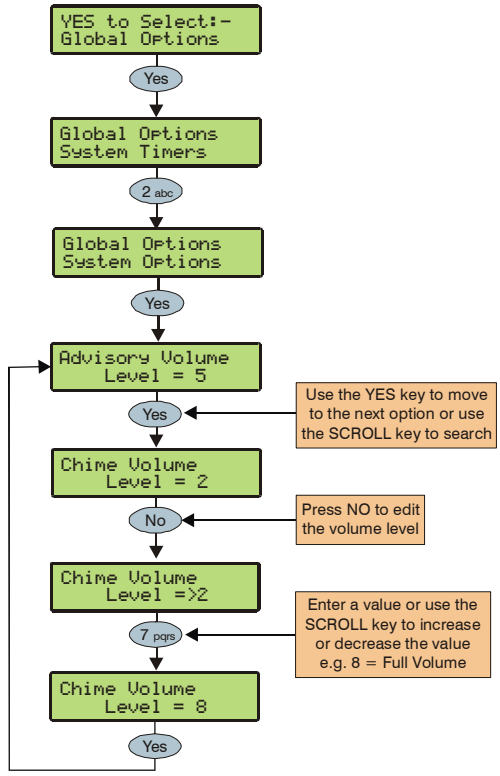
38 - Disable FOB PA
When a 'RadioPlus' Transmitter FOB is being used with the alarm system, the Panic Alarm (PA) function i.e. Pressing buttons 1 and 2 together, is disabled.

Enable RF FOB PA
When a 'RadioPlus' Transmitter FOB is being used with the alarm system, the Panic Alarm (PA) function i.e. Pressing buttons 1 and 2 together, is enabled.

39 - Armed Mask=Fault
If an Anti-masking signal is detected when the system is armed, the control panel will generate a Fault response.

Armed Mask=Alarm
If an Anti-masking signal is detected when the system is armed, the control panel will generate an Alarm response.

System Options



These options control various system functions.

1 - Advisory Volume
Controls the volume of advisory tones (entry/exit etc.) from loudspeakers connected to the control panel (Alarm tones are always full volume). 1 = min, 8 = max.

2 - Chime Volume
Controls the volume level of Chime tones from ALL loudspeakers. 1 = min, 8 = max.

3 - No. Of Re-Arms
Controls the number of times that a zone will re-arm. Once the re-arm limit has been reached, the zone is 'Locked Out' and will not cause any further Intruder alarms.

4 - Anti-code Resets
Limits how many times a user can perform an Anti-code reset. Once this limit is been reached, the system can only be reset using an Engineer code. This counter is reset every month or whenever an Engineers code is entered.

5 - Multiple Knocks
Controls how many times, a zone with the 'Double Knock' attribute, must be activated, before an alarm occurs. The multiple knock count can be applied to zones on an area basis, see page 44 for details.

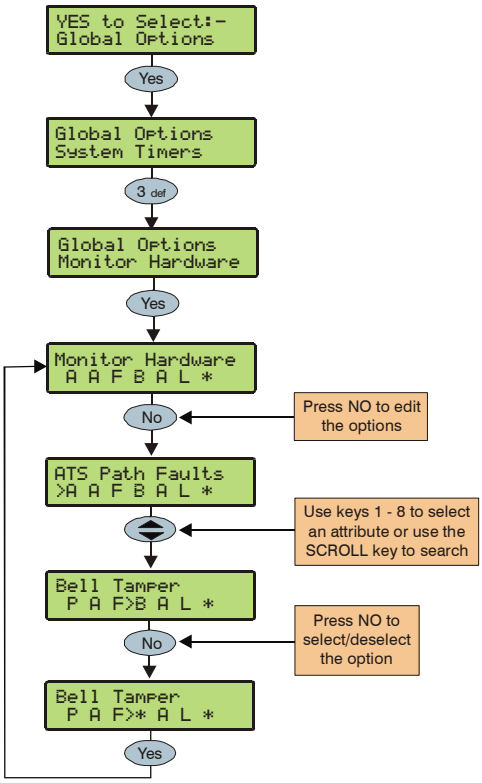
6 - Clock Adjustment
Adjusts the accuracy of the clock by subtracting or adding time in seconds at midnight every night. 0 = -50, 50 = 0 (no correction), 100 = +50.

7 - Quick Count
Set the number of 10milli Second pulses that are required within 30 Seconds in order for a zone with the 'Quick Response' attribute to activate.

8 - Modem Level
When using a Com2400 this option allows adjustment to the attenuation of the modem.

Modem Level	2	1	0	7	6	5	4	3
Attenuation (dB)	+4	+2	0	-2	-4	-6	-8	-10

Monitor Hardware



The control panel monitors many inputs for fault conditions i.e. the panel lid tamper, bell tamper, aux fuse etc.

Each one of these options can be disabled to overcome problems related to the devices being monitored.

P - ATS Path Faults
The Alarm Transmission System is monitored for faults.

A - AC Power Failure
The AC Mains is monitored for faults.

F - Aux Fuse Blown
The Auxiliary Fuse/PTC is monitored for faults.

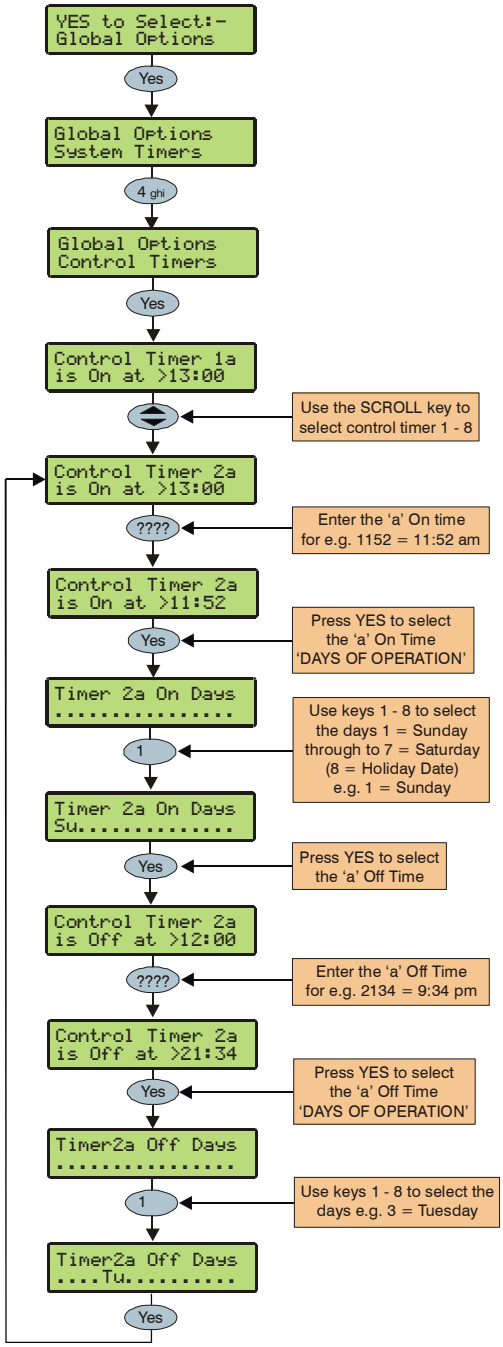
B - Bell Tamper
The external sounder tamper loop is monitored for faults.

A - Aux Tamper
The auxiliary tamper loop is monitored for faults.

L - Panel Lid Tamper
The control panel lid tamper is monitored for faults.

B - Battery Faults
The battery is monitored for faults.

Control Timers

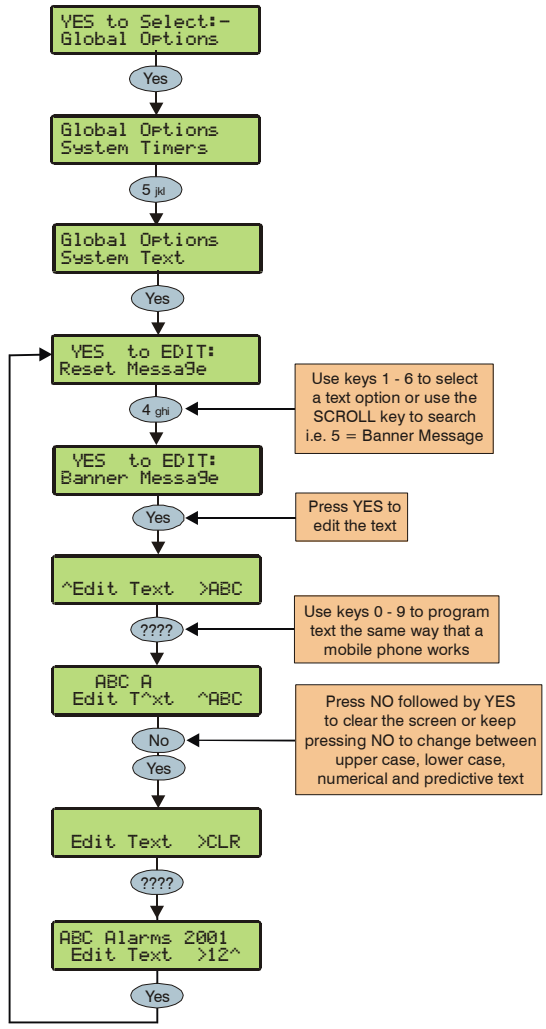


The *Premier 640* has 8 control timers. Each timer has two ON and OFF times (a & b), and can be programmed to operate on any day of the week. Once configured, the timers can be used to arm or disarm areas, lockout users and control outputs.

NOTE When programming the Control Timers ON time, pressing Chime will bring a '*' up on the display. This '*' indicates that the internal sounders will chime every time the Control Timers ON time is reached.

When programming the Control Timers DAYS of operation, pressing 8 tuv will bring 'HO' up on the display. This 'HO' indicates that the control timer will operate on any programmed Holiday date.

System Text



The system has 7 programmable messages.

1 - Reset Message
This 32-character message is displayed whenever the control panel requires an Engineer reset.

2 - Anti-code Msg.
This 32-character message is displayed whenever the control panel requires a Anti-code Reset.

3 - Service Message
This 32-character message is displayed whenever the control panel requires Daytime reset.

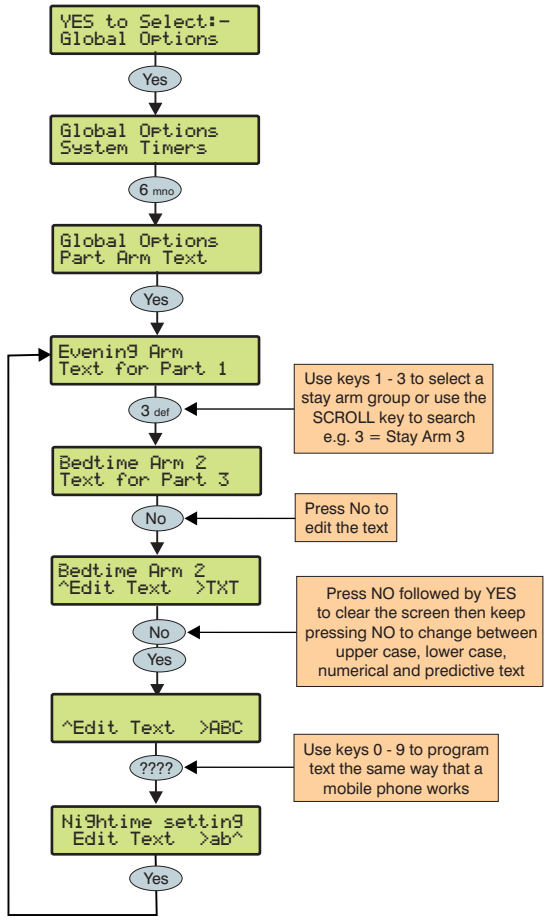
4 - Location Text
This 32-character message is displayed whenever the engineer views the location text in 'Engineer Utils'.

5 - Banner Message
This 16-character message is displayed above the time and date whenever the control panel is unarmed or fully armed.

6 - Part Arm Banner
This 16-character message is displayed above the time and date whenever the control panel is part armed.

7 - Printer Header
This 16-character header will be printed whenever a log printout is taken from the control panel or a Short Message Service (SMS) text message is sent to a mobile phone.

Part Arm Text

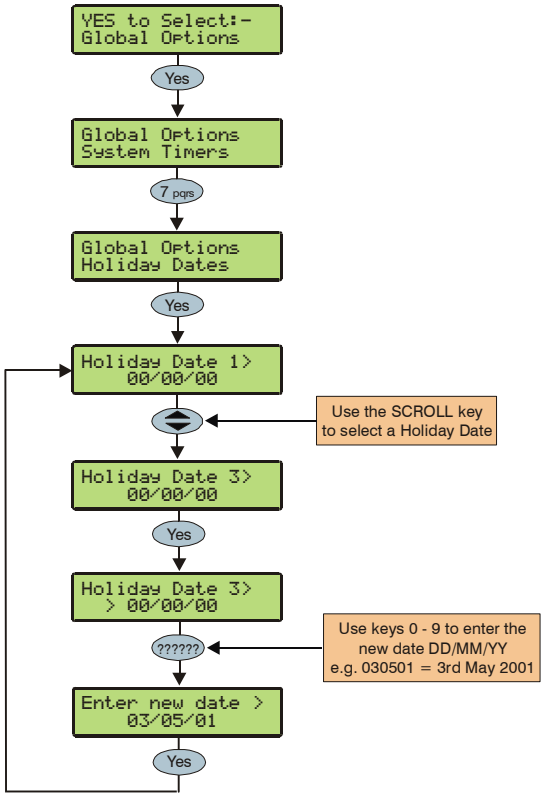


Text may be assigned to Part Arm 1, 2 or 3 to allow the user to select the correct Part Arm by description instead of number. A maximum of 16 characters can be programmed for each of the Part Arms.

NOTE The 3 Part Arm messages are global messages and will appear whenever one of the part arms are selected regardless of which area is being part armed.

Text is programmed in a similar way to mobile phones. Select characters by pressing the corresponding key the appropriate number of times (to select a character on the same key, press ◄► to move the cursor along).

Holiday Dates



The system has 8 programmable holiday dates.

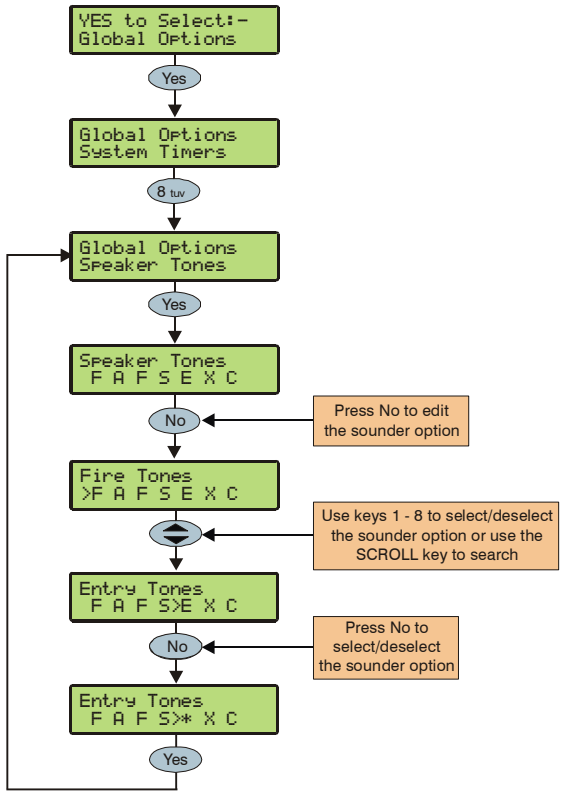
The holiday dates are pre-defined dates on which the Control Timers will not operate.

Example
Control Timer 1 is programmed to operate between the hours of 8pm and 8am on Monday through to Friday (for the purpose of arming the control panel).

Because Bank Holidays normally fall on Mondays the panel would disarm itself leaving the premises unprotected.

- Christmas day 2001 falls on a Tuesday
- Under normal conditions the Control Timer will operate on a Tuesday
- The 25/12/01 is programmed as a Holiday Date
- The Control Timer does not operate on Tuesday 25th December 2001 and the premises remains protected at all times

Speaker Tones



The speaker output on the control panel can be programmed so that certain types of tones are not generated. When deselected, Fire, Alarms, Fault, Service, Entry, Exit and Chime tones will not be heard.

Select tones by pressing keys 1 to 8 (a letter on the display means the tone is selected, a Dot on the display means the tone is not selected).

F - Fire Tones On
Fire alarm tones will be generated by the control panel sounder/speaker.

A - Alarm Tones On
Intruder alarm, Tamper alarm and PA alarm tones will be generated by the control panel sounder/speaker.

F - Fault Tones On
Fault tones will be generated by the control panel sounder/speaker.

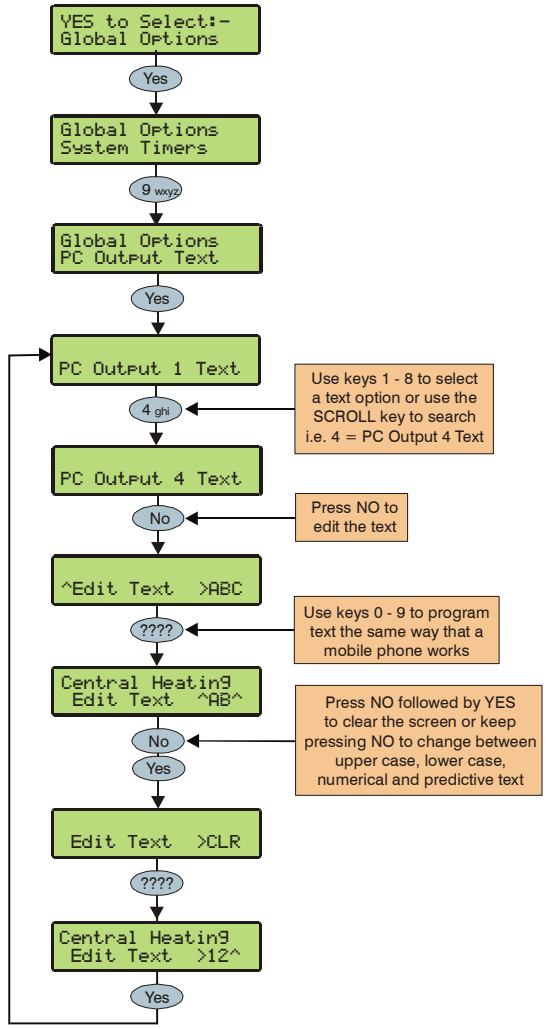
S - Service Tone On
Service and Warning tones will be generated by the control panel sounder/speaker.

E - Entry Tones On
Entry tones will be generated by the control panel sounder/speaker.

X - Exit Tones On
Exit tones will be generated by the control panel sounder/speaker.

C - Chime Tones On
Chime 1, 2 and 3 tones will be generated by the control panel sounder/speaker.

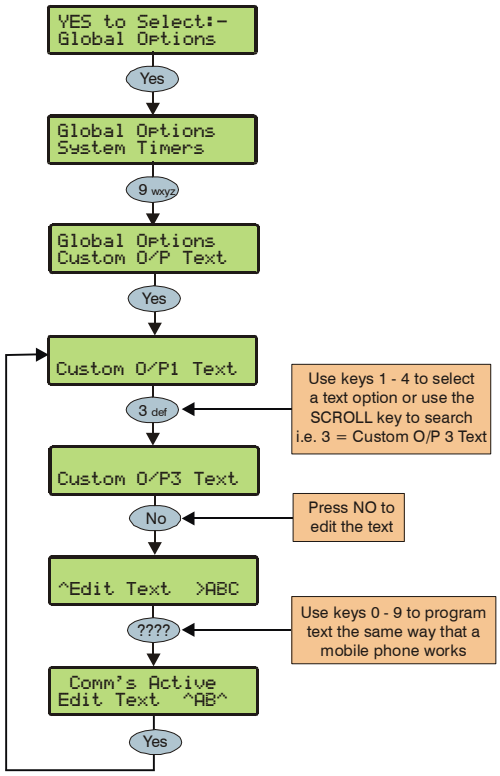
PC Output Text



Text may be assigned to PC Control Outputs 1 to 8 to allow the user to select the correct Output by description instead of number. A maximum of 16 characters can be programmed for each of the PC Outputs.

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

Custom O/P Text

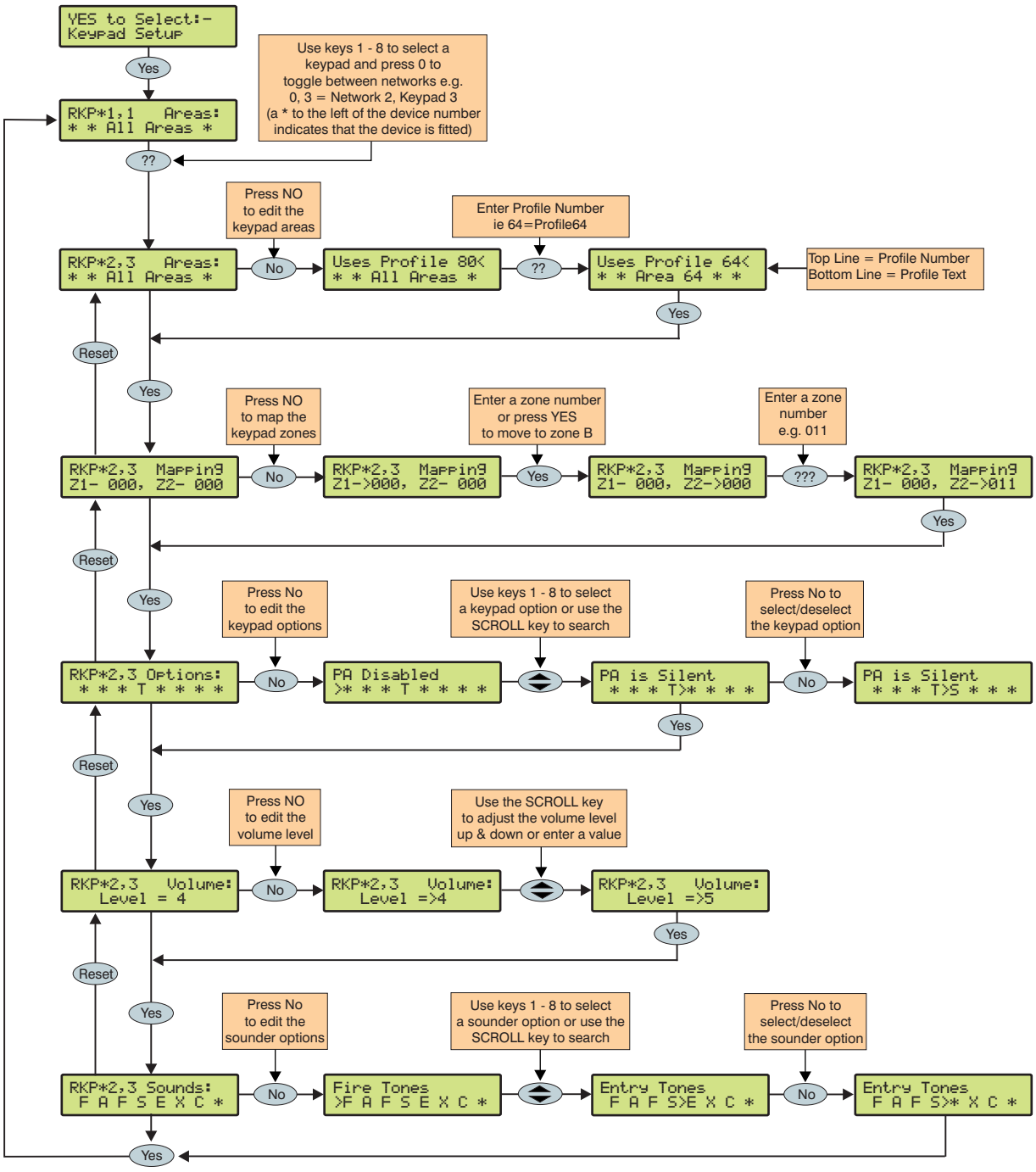


Text may be assigned to Custom Outputs 1 to 4 to allow indication on the keypads display when the output is active (see page 66 for details).

NOTE Outputs 1 & 2 are silent and outputs 3 & 4 give an audible warning every 30 seconds for 3 minutes or until a code is entered or RESET is pressed.

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

5.4 Keypad Setup



Keypad Areas

Keypads are assigned to areas via area profiles. A keypad is assigned to all areas associated with its assigned area profile. Assigning areas to a keypad determines:

- Which areas the sounder and speaker output in the keypad will generate tones for i.e. if the keypad is assigned to areas A and C, the sounder/speaker will only operate when areas A or C are in alarm, entry, exit etc.
- Which areas can be armed or disarmed from that keypad when using codes that have the 'Local Arming' or 'Local Disarming' attributes (see page 87 for details)
- Which areas will cause a Tamper alarm when the keypad cover is removed

Keypad Zone Mapping

The zones in the keypad need to be mapped to a valid zone number (1 to 640) before they can be used as part of the system i.e. Keypad 1 Zone 1 could be mapped to Zone 5 (panel) and Zone 2 could be mapped to Zone 25 (expander 3) etc.

NOTE Until mapped, the zones in the keypads will not work.

A keypad zone can be mapped to any zone number on the system, however, when mapped to a zone number that already exists i.e. Zone 5 (panel), that zone can no longer be used.

If a zone is mapped to a zone number not already on the system i.e. Zone 25 (expander 3) and expander 3 is then added, that zone on the expander (Zone 25) cannot be used. If you wish to use the zone on the expander, the keypad zone must be remapped to a different number.

If a zone is remapped to a different number, the new zone number must be treated as a new zone on the system and therefore needs to be programmed accordingly (the zone programming will NOT automatically follow the mapping).

Keypad Options

These 8 options control various keypad functions:

Select options by pressing keys 1 to 8 (a letter on the display means the option is selected, a Dot on the display means the option is not selected).

P - PA Enabled
Pressing keys 1 & 3 together will cause a PA alarm.

F - Fire Enabled
Pressing keys 4 & 6 together will cause a Fire alarm.

M - Medical Enabled
Pressing keys 7 & 9 together will cause a Medical alarm.

T - Tamper Enabled
Removing the keypad cover will cause a Tamper alarm.

A - PA is Audible
A keypad PA (1 & 3) will cause an audible PA alarm.

D - PA is Delayed
When the keypad PA buttons (1 & 3) are pressed, the 'Keypad PA Delay' timer starts, if a User code is entered before the timer expires, no PA alarm will occur. If a User code is not entered before the timer expires, a PA alarm will occur (see page 48 for details).

Q - Quick Arm is Enabled
Pressing the Area or Part keys will Arm or Part Arm the areas that the keypad is assigned to without the need to enter a User code first.

O - Info.LED> Output
The 'Info.' LED on the keypad comes on when the keypad output activates and goes off when the keypad output deactivates.

Keypad Speaker Volume

This option controls the volume level of advisory tones from loudspeakers connected to the keypads. Advisory tones consist of 'Entry/Exit' and 'Warning' type tones. 1 = minimum; 8 = maximum.

NOTE Alarm tones are always full volume.

Keypad Sounder Options

The sounder and speaker output in the keypad can be programmed so that certain types of tones are not generated. When deselected, Fire, Alarms, Fault, Service, Entry, Exit and Chime tones will not be heard.

Select tones by pressing keys 1 to 8 (a letter on the display means the tone is selected, a Dot on the display means the tone is not selected).

F - Fire Tones On
Fire alarm tones will be generated by the keypad sounder/speaker.

A - Alarm Tones On
Intruder alarm, Tamper alarm and PA alarm tones will be generated by the keypad sounder/speaker.

F - Fault Tones On
Fault tones will be generated by the keypad sounder/speaker.

S - Service Tone On
Service and Warning tones will be generated by the keypad sounder/speaker.

E - Entry Tones On
Entry tones will be generated by the keypad sounder/speaker.

X - Exit Tones On
Exit tones will be generated by the keypad sounder/speaker.

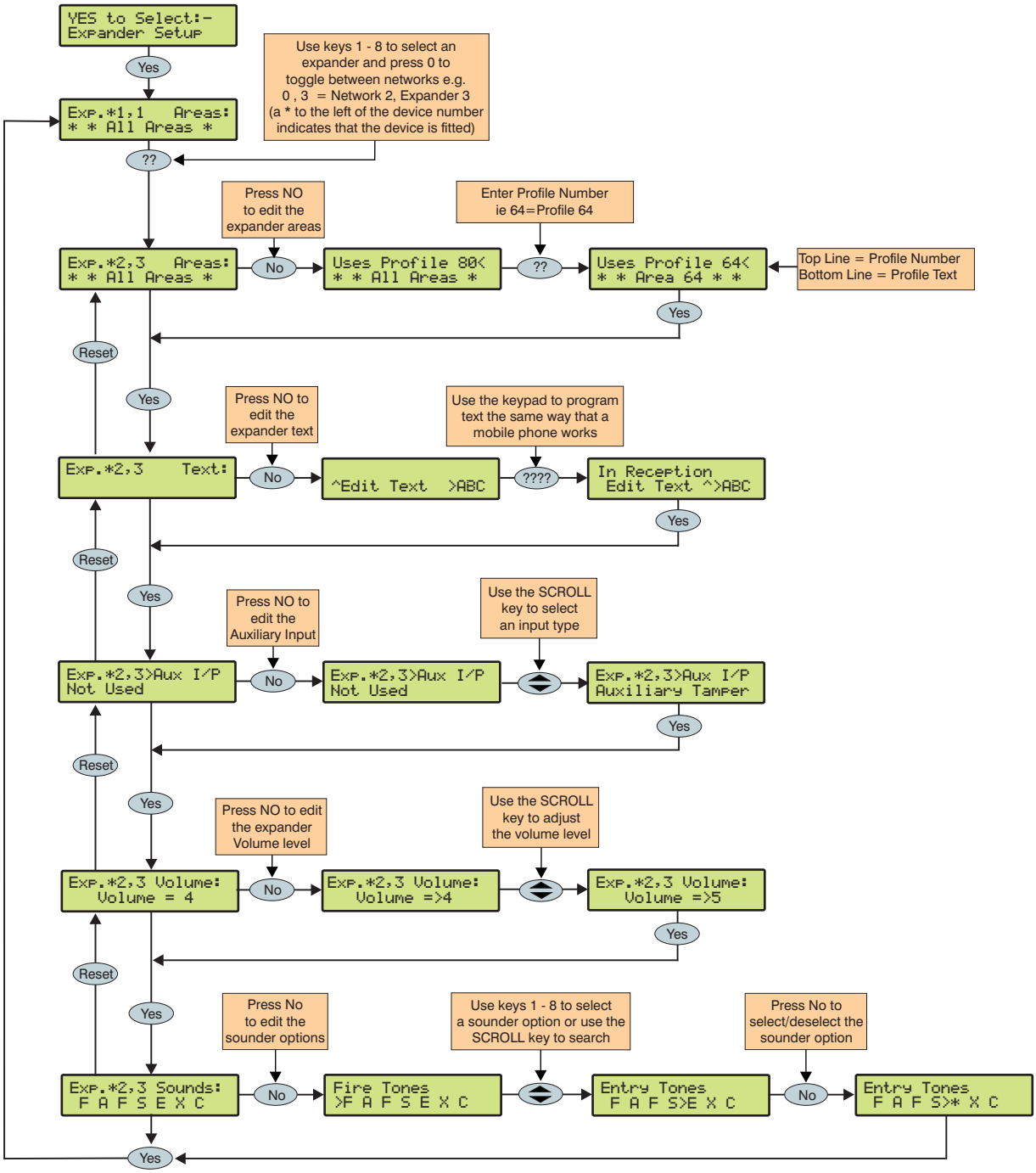
C - Chime Tones On
Chime 1, 2 and 3 tones will be generated by the keypad sounder/speaker.

K - Use Keypad Areas
When selected, the keypad sounder and arming control is determined by the area that the keypad is assigned to.

When deselected, the keypad becomes an 'Area Arm Suite' controller (see page 40 for details). This allows different combinations of areas to be armed or disarmed depending on which keypad is used and operates as follows:

- Keypad 1 = Area Arm Suite 1, Keypad 2 = Area Arm Suite 2, Keypad 3 = Area Arm Suite 3 etc.
- When a User code is entered at a keypad, one of the 'Area Arm Suites' is selected (depending on which keypad was used) and the areas contained within that suite arm using the arming mode for that suite, the keypad sounder will also follow the areas defined by the suite.

5.5 Expander Setup



Expander Areas

Expanders are assigned to areas via area profiles. An expander is assigned to all areas associated with its assigned area profile. Assigning areas to an expander determines:

- Which areas the speaker output on the expander will generate tones for i.e. if the expander is assigned to areas A and C, the speaker will only operate when areas A or C are in alarm, entry, exit etc.
- Which areas will cause a Tamper alarm when the expander cover is removed

Expander Location Text

Each expander can be assigned up to 16 characters of text. This text can be used to describe where the expander is located within the building.

Text is programmed in a similar way to mobile phones. Select characters 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).

Expander Auxiliary Input

Each expander has an input that can be programmed for one of the following options. If not being used, the input must be programmed as 'Not Used' (Default = Not Used).

Not Used
Never monitored by the system.

Auxiliary Tamper
Normally used for monitoring the box tamper of auxiliary devices such as power supplies etc (remove 0V for Tamper alarm).

Bell Tamper
Normally used for monitoring Bell Tamper returns (remove 0V for Tamper alarm).

Remote Reset
Normally used to reset the system/area following an Intruder alarm (the area must also be programmed for Anti-code reset) see page 43 for details (apply 0V to reset).

Line Fault +ve
Normally used to indicate a telephone line fault (remove 0V for Line Fault).

Line Fault -ve
Normally used to indicate a telephone line fault (apply 0V for Line Fault).

Silence Sounders
Normally used to silence the Internal sounders following an Intruder alarm and would be used in conjunction with Audio Verification units (apply 0V to silence).

Global Omit Key
Normally wired to a key switch. When the key switch is activated, all zones (with the 'Omit' attribute) assigned to the same area as the expander, will be omitted (apply 0V for omit).

Local Omit Key
Normally wired to a key switch. When the key switch is activated, all zones (with the 'Omit' attribute) wired to the expander, will be omitted (apply 0V for omit).

PSU Monitor
Normally used to monitor a Power Supply for faults, see page 24 for wiring details.

Defer Auto Arming
Normally used to defer the automatic arming of an area (apply 0V to defer).

Expander Speaker Volume

This option controls the volume level of advisory tones from loudspeakers connected to the expanders. Advisory tones consist of 'Entry/Exit' and 'Warning' type tones. 1 = minimum; 8 = maximum.

NOTE Alarm tones are always full volume.

Expander Sounder Options

The speaker output on the expander can be programmed so that certain types of tones are not generated. When deselected, Fire, Alarms, Fault, Service, Entry, Exit and Chime tones will not be heard.

Select tones by pressing keys 1 to 8 (a letter on the display means the tone is selected, a Dot on the display means the tone is not selected).

F - Fire Tones On
Fire alarm tones will be generated by the expander sounder/speaker.

A - Alarm Tones On
Intruder alarm, Tamper alarm and PA alarm tones will be generated by the expander speaker.

F - Fault Tones On
Fault tones will be generated by the expander speaker.

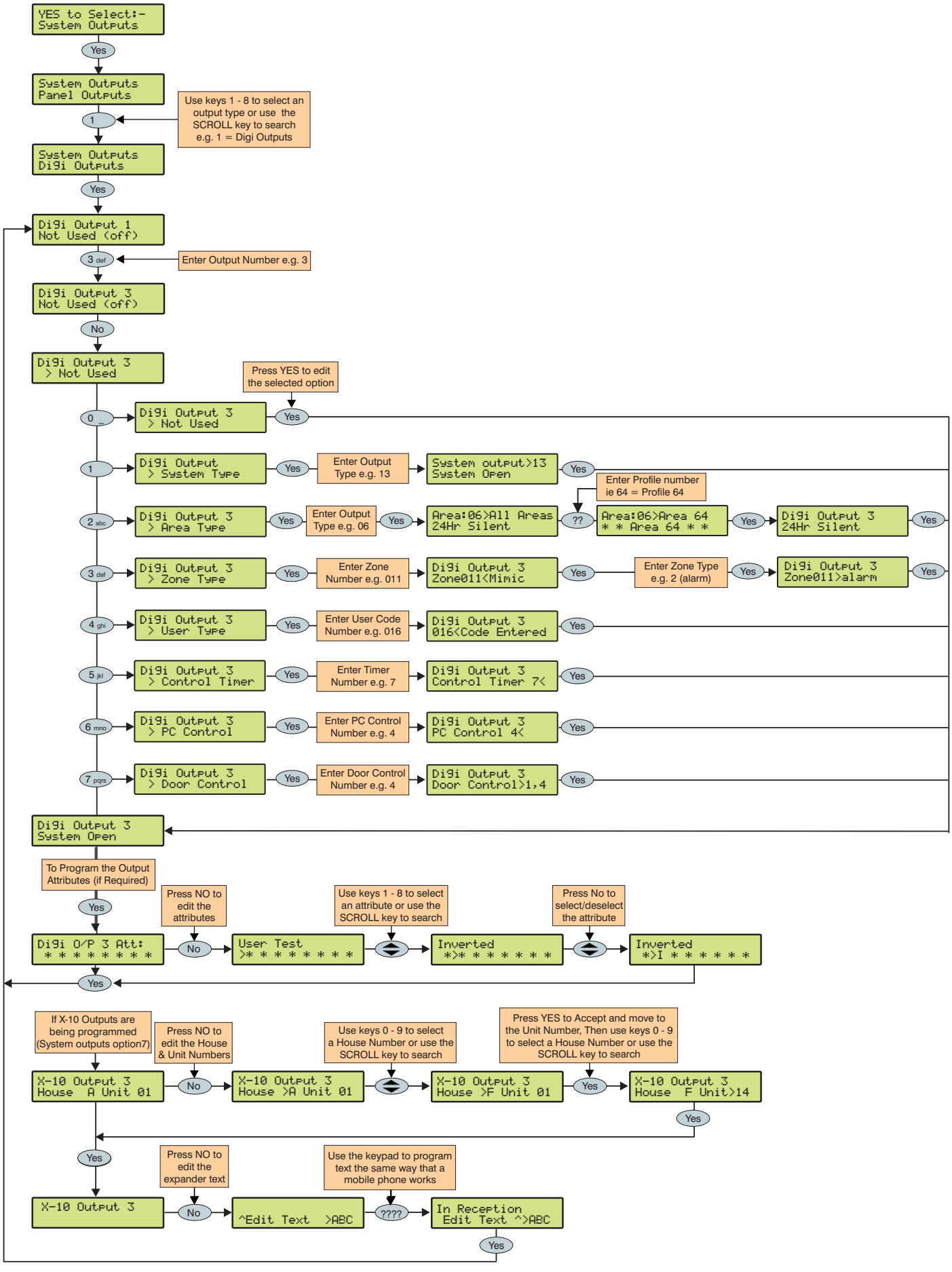
S - Service Tone On
Service and Warning tones will be generated by the expander speaker.

E - Entry Tones On
Entry tones will be generated by the expander speaker.

X - Exit Tones On
Exit tones will be generated by the expander speaker.

C - Chime Tones On
Chime 1, 2 and 3 tones will be generated by the expander speaker.

5.6 System Outputs



Available Outputs

Various sets of programmable outputs can be found on the control panel, keypads, expanders and output modules.

Panel Outputs
Panel outputs 1 - 5 are located on the top right hand corner of the control panel and can be programmed to any of the output types listed (see page 23 for wiring details).

Digi Outputs
Digi outputs 1 - 8 are located on the left hand side of the control panel and can be programmed to any of the output types listed (see page 23 for wiring details).

Digi Channels
Digi channels 1 - 8 are for the *Com300, Com2400* and *ComISDN* plug-on communicators and can be programmed to any of the output types listed.

RedCARE/Relay Pins
RedCARE or Relay Pins 1 - 8 are for a plug on RedCARE or *RM8* Relay module and can be programmed to any of the output types listed.

Keypad Outputs
Keypad outputs are for the outputs on the remote keypads (see page 15 for details) and can be programmed to any of the output types listed. Wire as per Panel Outputs shown on page 23.

Expander Outputs
Expander outputs are for the outputs on the zone/output expanders (see page 16 for details) and can be programmed to any of the output types listed. Wire as per Panel Outputs shown on page 23.

Custom Outputs
Custom outputs are NOT physical outputs they are 'Software' outputs that can be configured to operate under certain conditions (see page 66 for details). Once configured these outputs can then be assigned to a physical output (see system outputs 22-27).

X-10 Outputs
X-10 outputs are NOT physical outputs they are 'Software' outputs that can be configured to operate devices that are connected to an X-10 controller. These outputs can also be assigned a house and unit number along with descriptive text. (see page 66 for details).

Programming Outputs

When programming outputs, select an output group and an output type from that group's list (each output group has its own output types) then select attributes (if required).

NOTE Output Group + Output Type + Output Attributes = Output Programmed.

Output Group - Not Used

Only the following output type is available:

Not Used (off)
This output type never activates.

Output Group - System

Select an output type from the following options:

00 - ATS Path Fault
This output type activates when a fault is detected with the Alarm Transmission System and deactivates when the fault is cleared.

01 - Mains Power Off
This output type activates when no AC Mains is detected on the control panel and deactivates when mains is detected.

02 - Aux Fuse Blown
This output type activates when the Auxiliary fuse (F1) fails and deactivates when the system is reset.

03 - Bell Tamper
This output type activates when the control panel Bell tamper or an expander input (programmed as Bell tamper) is activated, causing a Tamper alarm on the system, and deactivates when the Tamper alarm is reset.

04 - Auxiliary Tamper
This output type activates when the control panel Aux tamper or an expander input (programmed as Auxiliary tamper) is activated, causing a Tamper alarm on the system, and deactivates when the Tamper alarm is reset.

05 - Panel Lid Tamper
This output type activates whenever the panel cover is removed, causing a Tamper alarm on the system, and deactivates when the Tamper alarm is reset.

06 - Engineer Working
This output type activates whenever an Engineer code is entered to access the programming menu and deactivates when the engineer logs off.

07 - Confirm Devices
This output type activates when the control panel requires devices to be confirmed and deactivates when the devices are confirmed (see page 96 for details).

08 - Service Required
This output type activates when the 'Service Interval' timer expires and deactivates when an Engineer code is entered (see page 47 for details).

09 - Bell Fuse Blown
This output type activates when the control panel bell fuse (F4) fails and deactivates when the system is reset.

10 - Battery Fault
This output type activates when the system detects a fault with the stand-by battery, and deactivates when the fault clears.

11 - Battery Test On
This output type activates when the 'Battery Test' starts, and deactivates when the test expires (see page 47 for details).

12 - Courtesy Light
This output type activates when the 'Courtesy' timer starts, and deactivates when the timer expires (see page 47 for details).

13 - System Open
This output type activates when all areas are unarmed, and deactivates when any area is armed.

14 - Fully Arm
This output type activates when the system is fully armed and deactivates when the system is disarmed.

15 - Digi Failed
This output type activates when the plug-on communicator fails to report to the Alarm Receiving Centre (after 3 dialling attempts), and deactivates the next time the communicator successfully reports to the Alarm Receiving Centre.

16 - Digi Successful
This output type activates when the plug-on communicator successfully reports to the Alarm Receiving Centre and deactivates the next time the communicator is triggered.

17 - Digi Active
This output type activates when the plug-on communicator is triggered and deactivates when the communicator shuts down.

18 - UDL Lockout
This output type activates when an attempt is made to upload/download with incorrect site details more than three times and deactivates after 4 hours or after a valid User code is entered.

19 - UDL Call Active
This output type activates when an upload/download is started and deactivates when the upload/download finishes.

20 - UDL Enabled
This output type activates when 'Enable UDL/Engineer' is enabled and deactivates when 'Enable UDL/Engineer' is disabled .

21 - Confirmed Alarm
If the system is already in alarm, this output type activates when a different zone (not on the entry route) is activated and deactivates at the end of the 'Confirmation' time, when a code is entered within the 'Abort' time or when the alarm is reset.

22 - Custom1 Stage A
This output type operates when 'Custom Output 1' Stage A activates and deactivates when 'Custom Output 1' Stage A deactivates.

23 - Custom1 Stage B
This output type operates when 'Custom Output 1' Stage B activates and deactivates when 'Custom Output 1' Stage B deactivates.

24 - Custom1 Stage AB
This output type operates when 'Custom Output 1' Stage A or B activates and deactivates when 'Custom Output 1' Stage A deactivates.

25 - Custom2 Stage A
This output type operates when 'Custom Output 2' Stage A activates and deactivates when 'Custom Output 2' Stage A deactivates.

26 - Custom2 Stage B
This output type operates when 'Custom Output 2' Stage B activates and deactivates when 'Custom Output 2' Stage B deactivates.

27 - Custom2 Stage AB
This output type operates when 'Custom Output 2' Stage A or B activates and deactivates when 'Custom Output 2' Stage A deactivates.

28 - Radio-Pad Failed
This output type activates when the radio pad fails to communicate with the Alarm Receiving Centre and deactivates when the radio pad successfully communicates.

29 - Radio Successful
This output type activates when the radio pad successfully communicates with the Alarm Receiving Centre and deactivates when the radio pad fails to successfully communicate.

30 - No Radio Signal
This output type activates when the Radio-Pads forward signal is lost and deactivates when the signal is regained.

31 - Radio-Pad Lost
This output type activates when the Radio-Pad stops communicating with its base station or the control panel and deactivates when communication starts again.

32 – Custom3 Stage A
This output type operates when 'Custom Output 3' Stage A activates and deactivates when 'Custom Output 3' Stage A deactivates.

33 - Custom3 Stage B
This output type operates when 'Custom Output 3' Stage B activates and deactivates when 'Custom Output 3' Stage B deactivates.

34 - Custom3 Stage AB
This output type operates when 'Custom Output 3' Stage A or B activates and deactivates when 'Custom Output 3' Stage A deactivates.

35 - Custom4 Stage A
This output type operates when 'Custom Output 4' Stage A activates and deactivates when 'Custom Output 4' Stage A deactivates.

36 - Custom4 Stage B
This output type operates when 'Custom Output 4' Stage B activates and deactivates when 'Custom Output 4' Stage B deactivates.

37 - Custom4 Stage AB
This output type operates when 'Custom Output 4' Stage A or B activates and deactivates when 'Custom Output 4' Stage A deactivates.

38 - Com 1 Fault
This output type activates when whatever is connected to Com Port 1 stops communicating with the control panel and deactivates when communication starts again.

39 - Com 2 Fault
This output type activates when whatever is connected to Com Port 2 stops communicating with the control panel and deactivates when communication starts again.

40 - Com 3 Fault
This output type activates when whatever is connected to Com Port 3 stops communicating with the control panel and deactivates when communication starts again.

41 - Com 1 No Signal
This output type activates when whatever is connected to Com Port 1 loses its signal and deactivates when its signal is regained.

42 - Com 2 No Signal
This output type activates when whatever is connected to Com Port 2 loses its signal and deactivates when its signal is regained.

43 - Com 3 No Signal
This output type activates when whatever is connected to Com Port 3 loses its signal and deactivates when its signal is regained.

44 - Coms Fault
This output type activates whenever any type of communication fault occurs i.e. No Signal, Com Port Fault, line fault etc. and deactivates when communication starts again.

45 - Radio Jamming
This output type activates whenever the wireless radio receiver detects a jamming signal and deactivates when the jamming signal is removed.

46 - Radio RX Tamper
This output type activates when the wireless radio receiver lid is removed, causing a Tamper alarm on the system, and deactivates when the Tamper alarm is reset.

47 - Detector Test
This output type is activated via remote maintenance software to initiate a diagnostics check on a PD6662: 2004/EN 50131-1 Grade 3 detector and deactivates after 10 seconds.

48 - ATS Remote Test
This output type conforms to the BSIA Form 175 Specification. When a Line Fault is not present it can be activated remotely by Wintex, or by using the 'Test Call Timer' or 'Start Test Call' option on the control panel to initiate a test on ATE equipment that have an ATS test input. NOTE: Only the RedCare Line Fault and Control panel Line Fault inputs can be used with the output type.

49 - No ATS Available
This output type activates when no Alarm Transmission paths are available and deactivates when the fault is cleared.

50 - CIE Fault
This output type activates when a fault occurs on the CIE and deactivates when the fault is cleared.

51 - PSU Fuse Blown
This output type activates when the Auxiliary input type 'PSU Monitor' detects a 12V failure and deactivates when the fault is reset.

52 - PSU Battery Flt
This output type activates when the Auxiliary input type 'PSU Monitor' detects a battery fault and deactivates when the fault is reset.

53 – WD Test Active
This output is activated via remote maintenance software to initiate a diagnostics check on an external sounder with remote test capability and will deactivate after 1 minute.

Output Group - Area

Any Area Profile can be assigned to each output type. All areas assigned to the area Profile will activate the output. Select an output type from the following options:

00 - Alarm
This output type activates when any type of Intruder alarm occurs in the selected area, and deactivates when the Intruder alarm is reset.

01 - Guard Alarm
This output type activates when a zone programmed as 'Guard' causes an Intruder alarm in the selected area and deactivates when the alarm is reset.

02 - Guard Access Alarm
This output type activates when a zone programmed as 'Guard Access' causes an Intruder alarm in the selected area and deactivates when the alarm is reset.

03 - Entry Alarm
This output type activates when a zone programmed as 'Entry/Exit 1 or 2' causes an Intruder alarm in the selected area and deactivates when the alarm is reset.

04 - Confirmed Alarm
If an area is already in alarm, this output type activates when a different zone (not on the entry route) is activated in the selected area and deactivates at the end of the 'Confirmation' time, when a code is entered within the 'Abort' time or when the alarm is reset.

05 - 24Hr Audible
This output type activates when a zone programmed as '24Hr Audible' causes an Internal alarm or Intruder alarm in the selected area and deactivates when the alarm is reset.

06 - 24Hr Silent
This output type activates when a zone programmed as '24Hr Silent' causes a silent alarm or Intruder alarm in the selected area and deactivates when the alarm is reset.

07 - 24Hr Gas
This output type activates when a zone programmed as '24Hr Gas' causes a Silent alarm or Intruder alarm in the selected area and deactivates when the alarm is reset.

08 - PA Alarm
This output type activates when any type of 'PA alarm' i.e. PA audible, PA silent or Duress causes a PA alarm in the selected area and deactivates when the alarm is reset.

09 - PA Silent
This output type activates when a zone programmed as 'PA Silent' or a keypad PA (1 & 3) causes a silent PA alarm in the selected area and deactivates when the alarm is reset.

10 - Duress
This output type activates when a User code with the 'Duress' attribute causes a silent PA alarm in the selected area and deactivates when the alarm is reset.

11 - Fire Alarm
This output type activates when a zone programmed as 'Fire' or a keypad Fire (4 & 6) causes a Fire alarm in the selected area and deactivates when the alarm is reset.

12 - Medical
This output type activates when a zone programmed as 'Medical' or a keypad Medical (7 & 9) causes a Medical alarm in the selected area and deactivates when the alarm is reset.

13 - Auxiliary Alarm
This output type activates when a zone programmed as 'Auxiliary' causes a Silent alarm in the selected area and deactivates when the alarm is reset.

14 - Tamper Alarm
This output type activates when any type of Tamper alarm occurs in the selected area and deactivates when the alarm is reset.

15 - Alarm Abort
If the selected area is in alarm, this output type activates when a User code is entered to cancel the alarm in the selected area and deactivates after 10 seconds.

16 - Ready
This output type activates when all zones in the selected area are secure and deactivates when any zone in the selected area is activated.

17 - Entry Mode
This output type activates when the selected area is in the entry mode and deactivates when the area is not in the entry mode.

18 - 2nd Entry Mode
This output type activates when the 2nd entry timer for the selected area starts and deactivates when the 2nd entry timer expires.

19 - Exit Mode
This output type activates when the selected area is in the exit mode and deactivates when the area is not in the exit mode.

20 - Entry/Exit Mode
This output type activates when the selected area is in the entry or exit mode and deactivates when the area is no longer in the entry or exit mode.

21 - Armed
This output type activates when the selected area is armed and deactivates when the selected area is disarmed.

22 - Full Armed
This output type activates when the selected area is fully armed and deactivates when the selected area is disarmed.

23 - Part Armed
This output type activates when the selected area is part armed and deactivates when the selected area is disarmed.

24 - Part Arming
This output type activates when the selected area is part arming and deactivates when the selected area arms.

25 - Force Armable
This output type activates when the selected area has at least one zone with the 'Force Omit' attribute, and the area is able to be force armed. It will deactivate when the area cannot be force armed.

26 - Force Armed
This output type activates when the selected area is forced to arm with zones active, and deactivates when the all zones are reinstated.

27 - Arm Failed
This output type activates when the selected area fails to arm because a zone is in fault, and deactivates when a valid User code is entered.

28 - Bell SAB
This output type activates when an External alarm occurs in the selected area, and deactivates when area is disarmed or the 'Bell Duration' timer expires.

29 - Bell SCB
This output type deactivates when an External alarm occurs in the selected area, and activates when area is disarmed or the 'Bell Duration' timer expires.

30 - Strobe
This output type activates when an External alarm (or Arm Fail) occurs in the selected area, and deactivates when area is disarmed (or a valid User code is entered).

31 - Detector Latch
This output type activates for 5 seconds when the selected area is in the exit mode then activates again when the area arms and deactivates when an Intruder alarm occurs or the selected area is disarmed.

32 - Detector Reset
This output type is normally active, and deactivates for 5 seconds when the selected area is in the exit mode.

33 - Walk Test Active
This output type activates when the 'Walk Test' procedure is selected, and deactivates when the 'Walk Test' procedure is cancelled.

34 - Zones Omitted
This output type activates when a zone in the selected area with the 'Omit' attribute, is omitted by the user, and deactivates when the zone is reinstated.

35 - 24Hr Zones Omit
This output type activates when a zone programmed as '24Hr Audible' or '24Hr Silent' (with the 'Omit' attribute) is omitted by the user, and deactivates when the zone is reinstated.

36 - Reset Required
This output type activates when the selected area requires a reset following an alarm, and deactivates when the alarm is reset.

37 - Door Strike
This output type activates for the 4 seconds when a User code with the 'Door Strike' attribute is entered for the selected area.

38 - Chime Mimic
This output type activates for 2 seconds when a zone in the selected area with the 'Chime' attribute is activated.

39 - Chime Enabled
This output type activates when 'Chime' is enabled for the selected area, and deactivates when 'Chime' is disabled for the selected area.

40 - DK First Knock
This output type activates when a zone in the selected area with the 'Double Knock' attribute is activated for the first time, and deactivates when the zone causes an alarm or the 'Double Knock Delay' timer expires.

41 - BP First Knock
This output type activates when a zone in the selected area with the 'Beam Pair' attribute is activated for the first time and deactivates when another zone with the 'Beam Pair' attribute, causes an alarm or the 'Beam Pair Time' expires.

42 - On Test
This output type activates when a zone in the selected area with the 'Test' attribute is placed on test and deactivates when the 'Soak Test Time' expires.

43 - Test Fail
This output type activates when a zone in the selected area with the 'Test' attribute is placed on test (and fails) and deactivates when an Engineer code is entered or the 'Soak Test Time' expires.

44 - Internal Alarm
This output type activates when an Internal alarm occurs in the selected area, and deactivates when the alarm is cancelled.

45 - Auto Arming
This output type activates when the selected area 'Auto Arms', and deactivates when the selected area is disarmed.

46 - Time Arming
This output type activates for 5 minutes prior to the selected area being armed using the 'Control Timers'.

47 - 1st Code Entered
This output type activates for 30 seconds when a User code with the 'Dual Code' attribute is entered for the selected area.

48 - 2nd Code Entered
This output type activates for 30 seconds when two User codes with the 'Dual Code' attribute are entered for the selected area.

49 - Area Secured
This output type activates whenever a 'Security Key' zone type is used to lock keypads out and deactivates when the keypads are unlocked again.

50 - Part Armed 1
This output type activates when a Part Arm 1 is selected for the selected area and deactivates when part arm 1 is disarmed.

51 - Part Armed 2
This output type activates when a Part Arm 2 is selected for the selected area and deactivates when part arm 2 is disarmed.

52 - Part Armed 3
This output type activates when a Part Arm 3 is selected for the selected area and deactivates when part arm 3 is disarmed.

53 - Custom Alarm
This output type activates when any 'Custom' zone type causes an alarm in the selected area and deactivates when a valid user code is entered.

54 - Zone Warning
This output type activates when 'Custom' zone type in the selected area with the 'Warning Req' attribute (see page 37 for details) is activated for the duration of the 'Warning Delay' timer (see page 48 for details) and deactivates when the zone activity is cleared.

55 - Arm Fail Warning
This output type activates when the selected area fails to arm after a period of time (controlled by the area exit time) when using 'Entry/Exit' or 'Exit Term.' arming and deactivates when the area arms.

56 - Forced Entry
This output type activates for the duration of the 'Forced Entry' timer (see page 48 for details) when any 'Guard' or 'Custom' zone with the 'Guard' attribute is activated (see page 36 for details),.

57 - Zones Locked Out
This output type activates when any zone is locked out following an Intruder Alarm activation and deactivates when all zones are clear and reinstated.

58 - All Areas Armed
This output type activates when all of the selected areas are armed and deactivates when any one of those areas is disarmed.

59 - Time Arm Disabled
This output type activates when the timed arming procedure is disabled (see page 37 for details) and deactivates when timed arming is reinstated.

60 - Armed/Alarm
This output type activates when the selected area is armed and deactivates when the selected area is disarmed

This output type also pulses when an Intruder alarm occurs in the selected area, and deactivates when the selected area is disarmed.

61 - Intruder Alarm
This output type activates when an Intruder alarm occurs, and deactivates when the Intruder alarm is cancelled.

NOTE Tamper alarms will not activate this output.

62 - Speaker Mimic
This output type activates whenever the internal speaker output is on, and deactivates when the speaker output is off.

63 - Full Armed/Exit
This output type activates when the selected area is in the full arm exit mode and then arms and deactivates when the area is disarmed.

64 - Detector Fault
This output type activates when a detector fault occurs and deactivates when the fault is reset.

65 - Detector Masked
This output type activates when a detector mask occurs and deactivates when the mask is reset.

66 - Fault Present
This output type activates when a general fault occurs i.e. Line Fault, AC Mains Fail, Detector Fault etc. and deactivates when the fault is cleared.

67 - LED Control
This output type is always activate and deactivates when a User or Engineers code is entered to gain access to a menu. The output activates again 30 seconds after the user/engineer exits the menu. This output type is for use with detectors that require 0V applied to disable their LED's.

68 - Full Arm Entry
This output type activates when the entry mode is started and deactivates when the entry mode finishes whenever the system in Full Armed.

Output Group - Zone

Any zone can be assigned to this output type. Select a zone number from 1 to 168 then select an output type from the following options:

Mimic
This output type activates when the selected zone is activated and deactivates when the zone is secure. This output will work if the zone is armed or disarmed.

MimicArm
This output type activates when the selected zone is activated and deactivates when the zone is secured. This output will only work if the zone is armed.

Alarm
This output type activates when the selected zone causes an alarm and deactivates when the alarm is reset. This output will only work if the zone is armed.

Tamper
This output type activates when the selected zone causes a Tamper alarm and deactivates when the tamper is reset. This output will work if the zone is armed or disarmed.

MimicLat
This output type activates when the selected zone is activated and deactivates when the next time the zone is activated. This output will work if the zone is armed or disarmed.

Omitted
This output type activates when the selected zone is omitted and deactivates when the zone is reinstated.

Output Group - User Code Entered

Any user can be assigned to this output type. Select a user number from 1 to 99).

This output type activates for 5 seconds when the selected User code is entered.

Output Group - Control Timer

Select a Control Timer from 1 to 8.

These output types activate when the respective control timer turns on and deactivate when the timer turns off.

Output Group - PC Control

Select a PC Control from 1 to 8.

These output types can be activated and deactivated using a PC running the *Wintex UDL* software.

Output Group - Door Control

Select a Door Control from 1,1 to 8,8.

These output types activate for the duration of the 'Door Strike' timer when a valid User code (assigned to the same door) is entered and deactivates when the timer expires.

These output types are used in conjunction with the 'Door Control' User option (see page 90 for details).

Output Attributes

Assigning an attribute to an output will alter how the output works. The following attributes can be assigned to any of the various types listed.

Select attributes by pressing keys 1 to 8 (a letter on the display means the attribute is selected, a 'Dot' on the display means the attribute is not selected).

U - User Test
The output will activate when a user performs a User test (see page 95 for details).

I - Inverted
The output is inverted (an output that applies 0V when active will become an output that applies 12V when active).

L - Latching
When activated, the output will remain on until a valid User code is entered.

1 - Use Pulse Period 1
When activated, the output will remain on for the duration of the 'Pulse Period 1' timer (see page 47 for details).

2 - Use Pulse Period 2
When activated, the output will remain on for the duration of the 'Pulse Period 2' timer (see page 47 for details).

3 - Use Pulse Period 3
When activated, the output will remain on for the duration of the 'Pulse Period 3' timer (see page 47 for details).

C - Only Active With Custom Output 1 Stage A
The output will only operate whilst 'Custom Output Stage A' is 'On' (see page 'Custom Outputs' for details).

R - Random
The output will activate randomly. A minimum and maximum 'On' time can also be programmed (see page 47 for details).

X-10 Outputs

X-10 Outputs are outputs that can be configured to operate devices that are connected to an X-10 controller. These outputs can be assigned a house and unit number.

To Program an output for X-10, proceed as follows:

Program the output type to ensure correct operation when the programmed condition occurs i.e. an output programmed as 'Entry/Exit' will activate when the selected area is in the entry or exit mode and deactivate when the area is no longer in the entry or exit mode.

Assign any attributes i.e. 'Pulsed 1' would cause the output to be timed for the duration of the 'Pulse 1' timer.

Assign a House and Unit number i.e. this is the physical address of the X-10 Unit and ensures that the correct unit in the correct area operates when the output condition is met i.e the correct unit switches on and off during Entry/Exit.

Custom Outputs

Custom outputs are NOT physical outputs they are 'Software outputs that can be configured to operate under certain conditions. Once configured these outputs can then be assigned to a physical output (see system outputs 22-27 and 32-37, page 62 for details).

Custom Output 1 - 4, Stage A

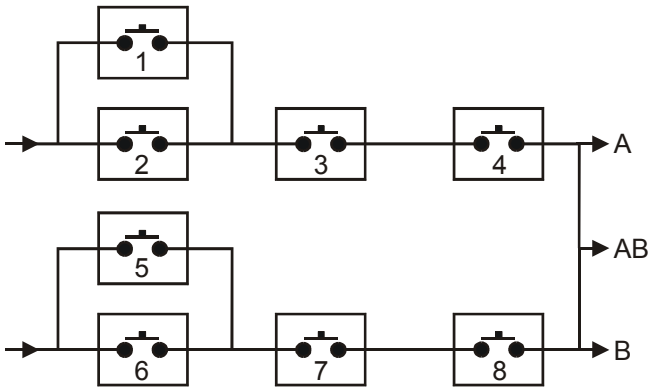
Will activate when switches 1 or 2 and 3 and 4 are active.

Custom Output 1 - 4, Stage B

Will activate when switches 5 or 6 and 7 and 8 are active.

Custom Output 1 - 4, Stage AB

Will activate when switches 1 or 2 and 3 and 4 are active **OR** switches 5 or 6 and 7 and 8 are active.



Example

Switch 1 is programmed as: **Zone 1 Mimic**

Switch 2 is programmed as: **Zone 2 Mimic**

Switch 3 is programmed as: **Armed**

Switch 4 is programmed as: **Never Active (and inverted)**

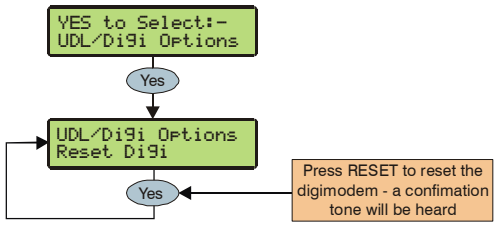
NOTE Custom Output 1 Stage A will only activate when switches 1 OR 2 AND 3 AND 4 are closed.

i.e. if ZONE 1 or ZONE 2 ACTIVATES whilst the system is ARMED (switch 4 is always closed).

Assign up to 16 Characters of text to each unit to allow easy identification when the output needs to be manually triggered directly from the keypad using the (Menu) (9wxyz) command i.e. 'Entrance Light'.

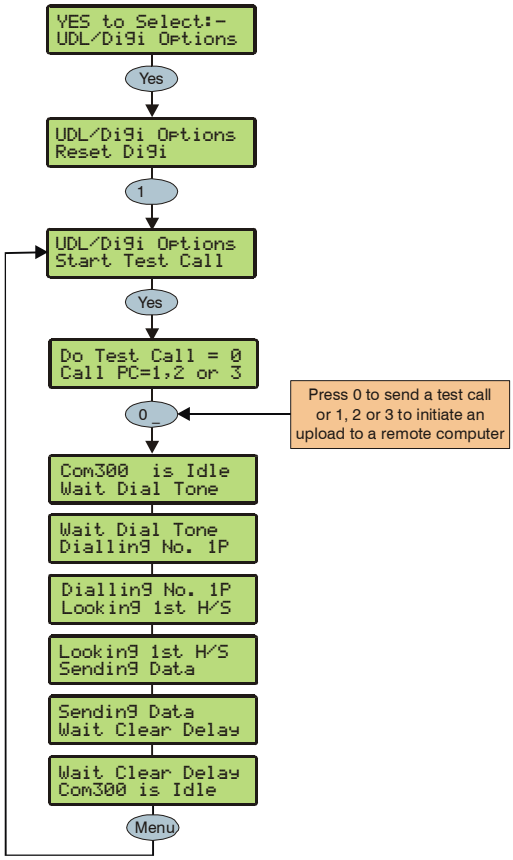
5.7 UDL/Digi Options

Reset Digi



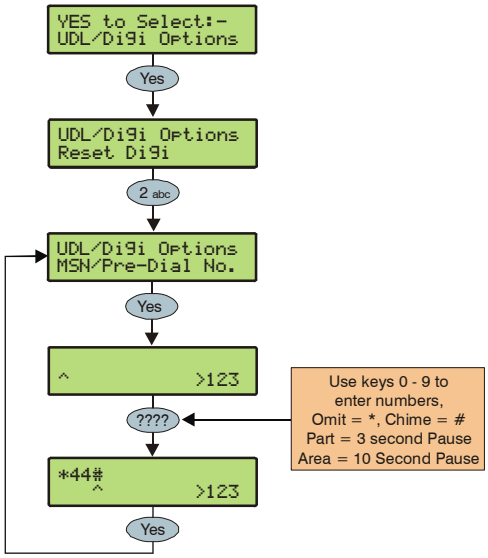
This option should be used whenever a *Premier* plug-on communicator is plugged on or removed from the control panel.

Start Test Call



When a *Premier* plug-on communicator has been fitted to the control panel. This option can be used to send a test call to the Alarm Receiving Centre or to initiate a remote Upload/Download call to one of the programmed callback numbers.

MSN/Pre-Dial No.

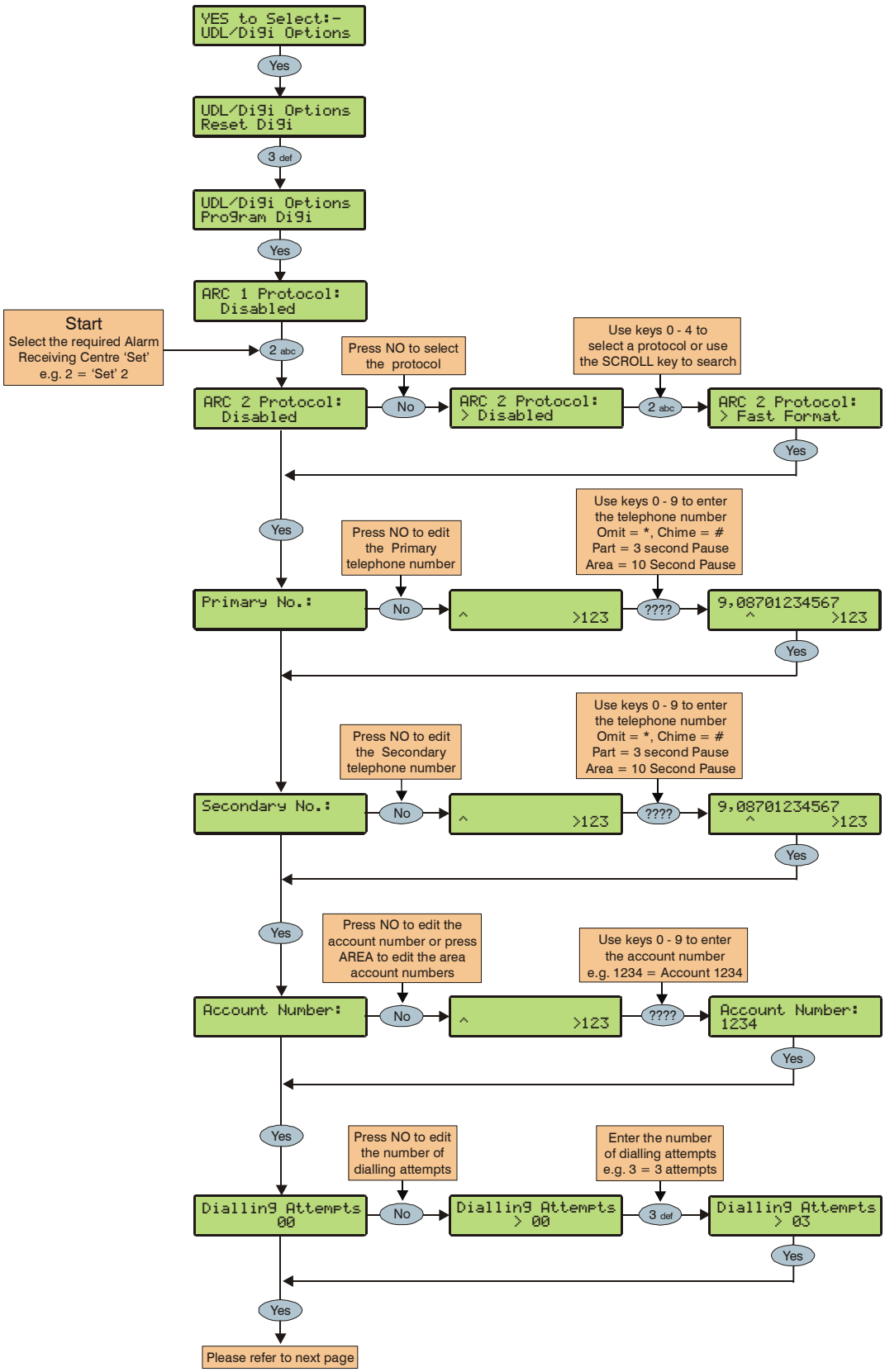


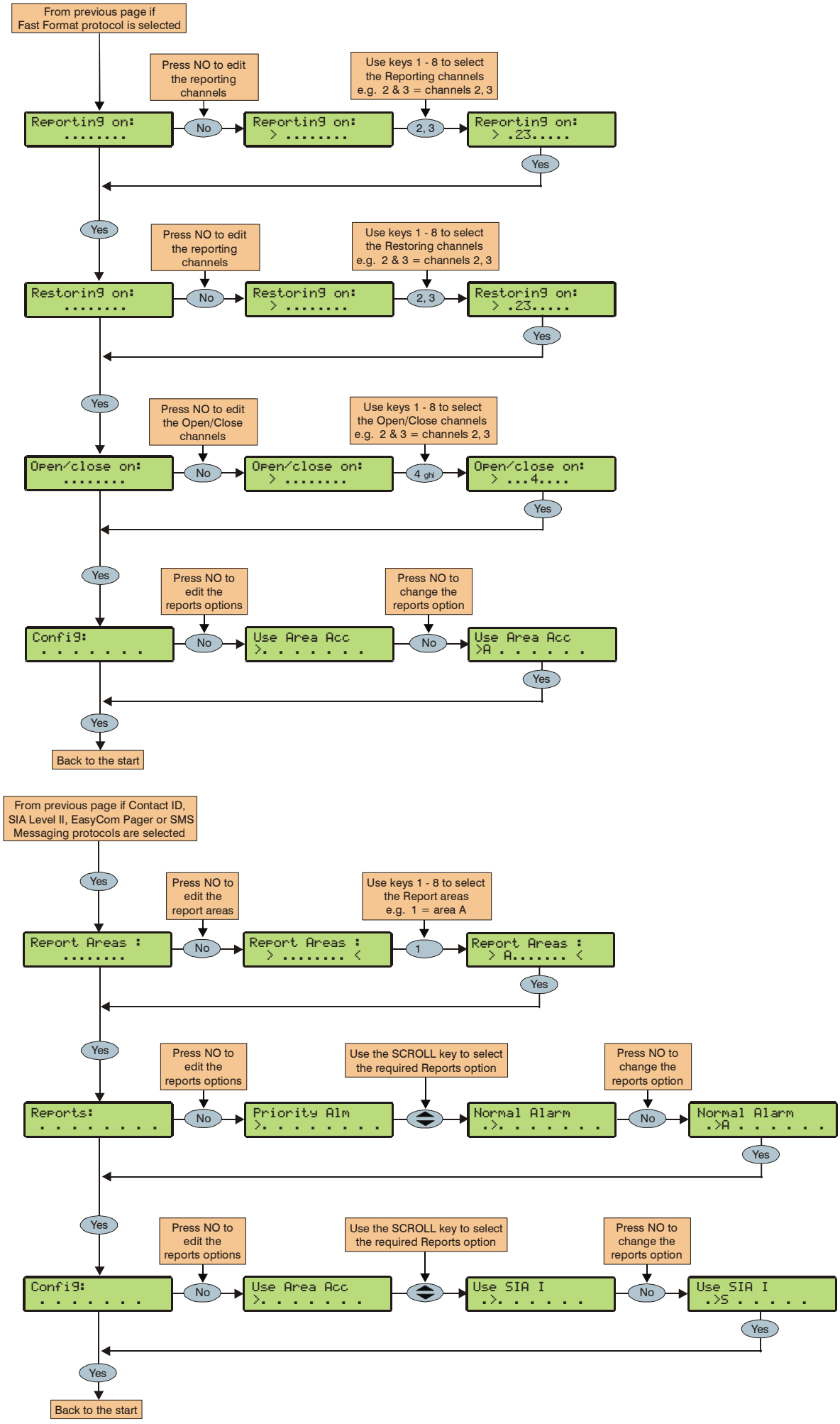
When a *ComISDN* is connected to an extension of an ISDN line with more than 1 number, the direct dial number should be programmed in here, this ensures that the *ComISDN* will only answer a call when the direct dial number is dialled. This number can be up to 24 digits.

NOTE The Use MSN/Pre-Dial option must also be enabled (see page 71 for details).

When entering the telephone number the following extra keys can be used:

Program Digi




From previous page if Fast Format protocol is selected
Press NO to edit the reporting channels
Use keys 1 - 8 to select the Reporting channels e.g. 2 & 3 = channels 2, 3
Reportin9 on: .....
No
Reportin9 on: > .....
2, 3
Reportin9 on: > .23....
Yes
Yes
Press NO to edit the reporting channels
Use keys 1 - 8 to select the Restoring channels e.g. 2 & 3 = channels 2, 3
Restorin9 on: .....
No
Restorin9 on: > .....
2, 3
Restorin9 on: > .23....
Yes
Yes
Press NO to edit the Open/Close channels
Use keys 1 - 8 to select the Open/Close channels e.g. 2 & 3 = channels 2, 3
Open/close on: .....
No
Open/close on: > .....
4 ghi
Open/close on: > ...4....
Yes
Yes
Press NO to edit the reports options
Press NO to change the reports option
Confi9: . . . . . .
No
Use Area Acc >. . . . . .
No
Use Area Acc >A . . . . . .
Yes
Yes
Back to the start
From previous page if Contact ID, SIA Level II, EasyCom Pager or SMS Messaging protocols are selected
Yes
Press NO to edit the report areas
Use keys 1 - 8 to select the Report areas e.g. 1 = area A
Report Areas : .....
No
Report Areas : > ..... <
1
Report Areas : > A..... <
Yes
Yes
Press NO to edit the reports options
Use the SCROLL key to select the required Reports option
Press NO to change the reports option
Reports: . . . . . .
No
Priority Alm >. . . . . .
Normal Alarm .>. . . . . .
No
Normal Alarm .>A . . . . . .
Yes
Yes
Press NO to edit the reports options
Use the SCROLL key to select the required Reports option
Press NO to change the reports option
Confi9: . . . . . .
No
Use Area Acc >. . . . . .
Use SIA I .>. . . . . .
No
Use SIA I .>S . . . . .
Yes
Yes
Back to the start

The plug-on communicator can be programmed to dial up to 3 sets of Alarm Receiving Centre (ARC) information. Each 'Set' consists of the following options:

Protocol
This is the reporting protocol that is used to communicate with the Alarm Receiving Centre. The following 4 protocols are supported:

- **Fast Format:** The panel will report using Fast Format. If this option is selected the 'Reporting Channels' must be programmed (see below)
- **Contact ID:** The panel will report using Contact ID. If this option is selected, the 'Reporting Areas' must be programmed (see below)
- **SIA Level II:** The panel will report using SIA Level II
- **EasyCom Pager:** The panel will report to an EasyCom type pager
- **SMS Messaging:** The panel will send Short Message Service (SMS) text messages to a mobile phone

Primary Telephone Number
This is the first telephone number that the communicator will dial for the Alarm Receiving Centre or the first mobile telephone number to send SMS to. Each telephone number can be up to 24 digits.

Secondary Telephone Number
This is the second telephone number that the communicator will dial for the Alarm Receiving Centre or the second mobile telephone number to send SMS to. Each telephone number can be up to 24 digits.

Account Number
This is the account number that will be reported to the Alarm Receiving Centre. Each account number can be up to 6 digits.

NOTE Each area can also have its own account number (see page 71 for details).

Dialling Attempts
This is the number of times the communicator will try to dial the Alarm Receiving Centre or Pager telephone number.

NOTE The number of dialling attempts is limited to 9. If this value is set to 0, the communicator will never dial out.

The following option is only displayed if the Fast Format protocol is selected

Reporting on
This option defines which channels report to the selected Alarm Receiving Centre.

Restoring on
This option defines which channels report a restore to the selected Alarm Receiving Centre.

Open/Close on
This option defines which channels report Open/Close to the selected Alarm Receiving Centre.

The following option is only displayed if Contact ID or SIA Level II protocols are selected

Reporting Areas
This option defines which areas report events to the selected Alarm Receiving Centre.

The following option is only displayed if Contact ID, SIA Level II or EasyCom Pager protocols are selected

Reports
This option defines which events report to the Alarm Receiving Centre when using Contact ID or SIA Level II.

P - Priority Alarm and Cancel Events
The system will report Priority alarm and cancel events to the selected Alarm Receiving Centre.

A - Normal Alarm and Cancel Events
The system will report alarm and cancel events to the selected Alarm Receiving Centre.

O - Open and Close Events
The system will report open and close events to the selected Alarm Receiving Centre.

B - Omit and Reinstate Events
The system will report omit and reinstate events to the selected Alarm Receiving Centre.

M - Maintenance Alarm Events
The system will report maintenance alarm events to the selected Alarm Receiving Centre.

T - Tamper Alarm Events
The system will report tamper alarm events to the selected Alarm Receiving Centre.

C - Test Call Events
The system will report test call events to the selected Alarm Receiving Centre.

R - Restore Events
The system will report restore events to the selected Alarm Receiving Centre.

The following option is only displayed if Fast Format Contact ID or SIA Level II protocols are selected

Config.
This option defines which secondary options are enabled.

A - Area Account
Events are reported to the Alarm Receiving Centre using the area account numbers (see page 71 for details).

S - SIA Level I / UCP
Events are reported to the Alarm Receiving Centre using SIA Level I or or to an SMS Messaging Server using UCP.

R - Enable Radio-Pad
The system will use the Paknet radio-pad to report events to the selected Alarm Receiving Centre.

G - Enable GSM Module
The system will use the GSM Module to report events to the selected Alarm Receiving Centre.

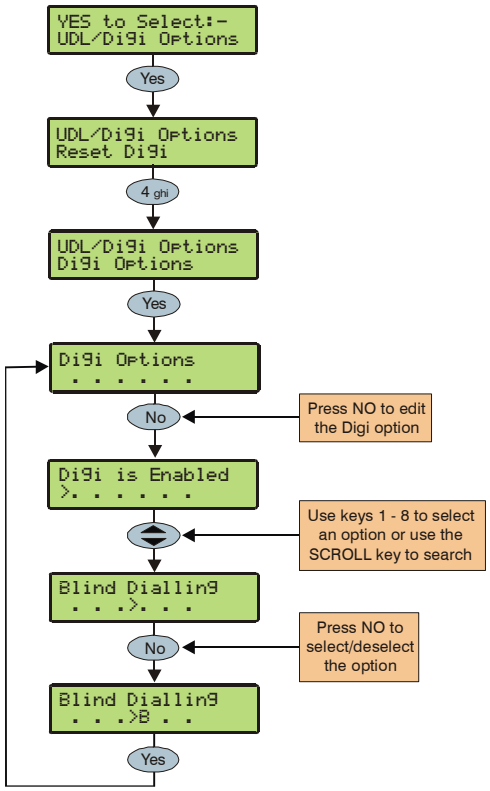
A - AV Module
The AV Module will dial the Alarm Receiving Centre.

F - Use GSM First
The GSM module is the primary path when this is enabled

I - Connect Via IP
The system will use the IP Module to report events to the selected Alarm Receiving Centre.

T - Send SIA Text
Text is sent to the Alarm Receiving Centre when using SIA II (this makes the protocol SIA III)

Digi Options



There are 6 options that control how the plug-on communicator works.

Select options by pressing keys 1 to 8 (a letter on the display means the option is selected, a Dot on the display means the option is not selected).

E - Digi is Enabled
The plug-on communicator will report all system events to the Alarm Receiving Centre.

P - Pulse Dialling
The plug-on communicator will always dial telephone numbers using pulse dialling.

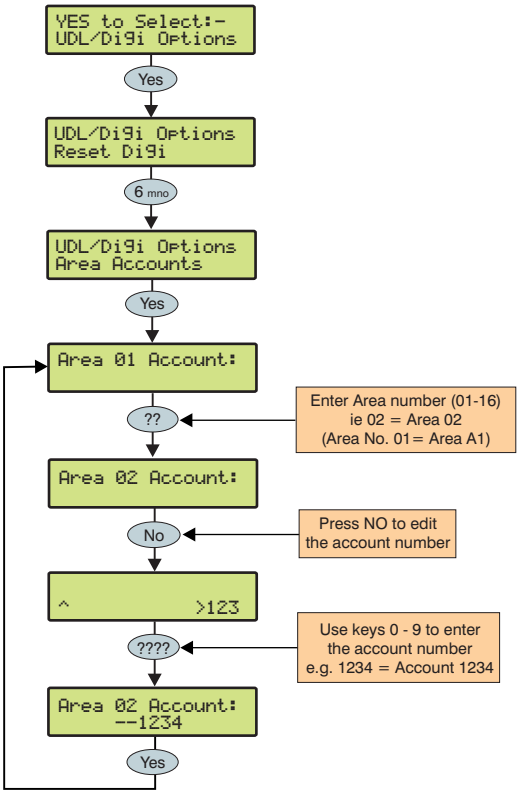
3 - Pulse After 3
The plug-on communicator will always dial telephone numbers using tone dialling. However, if the Communicator fails to dial the number three times in a row, it will revert to pulse dialling for the remaining attempts.

B - Blind Dialling
The plug-on communicator will not look for a dial tone before dialling a telephone number.

U - Use MSN/Pre-Dial
The *ComISDN* will only answer a call when the programmed MSN/Pre-Dial telephone number is dialled.

A - Dial All Numbers
If the communicator is acknowledged by the first ARC, it will continue to dial any other programmed ARC. This is normally used when a second or third ARC is programmed with SMS Messaging.

Area Accounts



When using Fast Format, Contact ID or SIA, areas A1 to B8 can have their own account number to identify events.

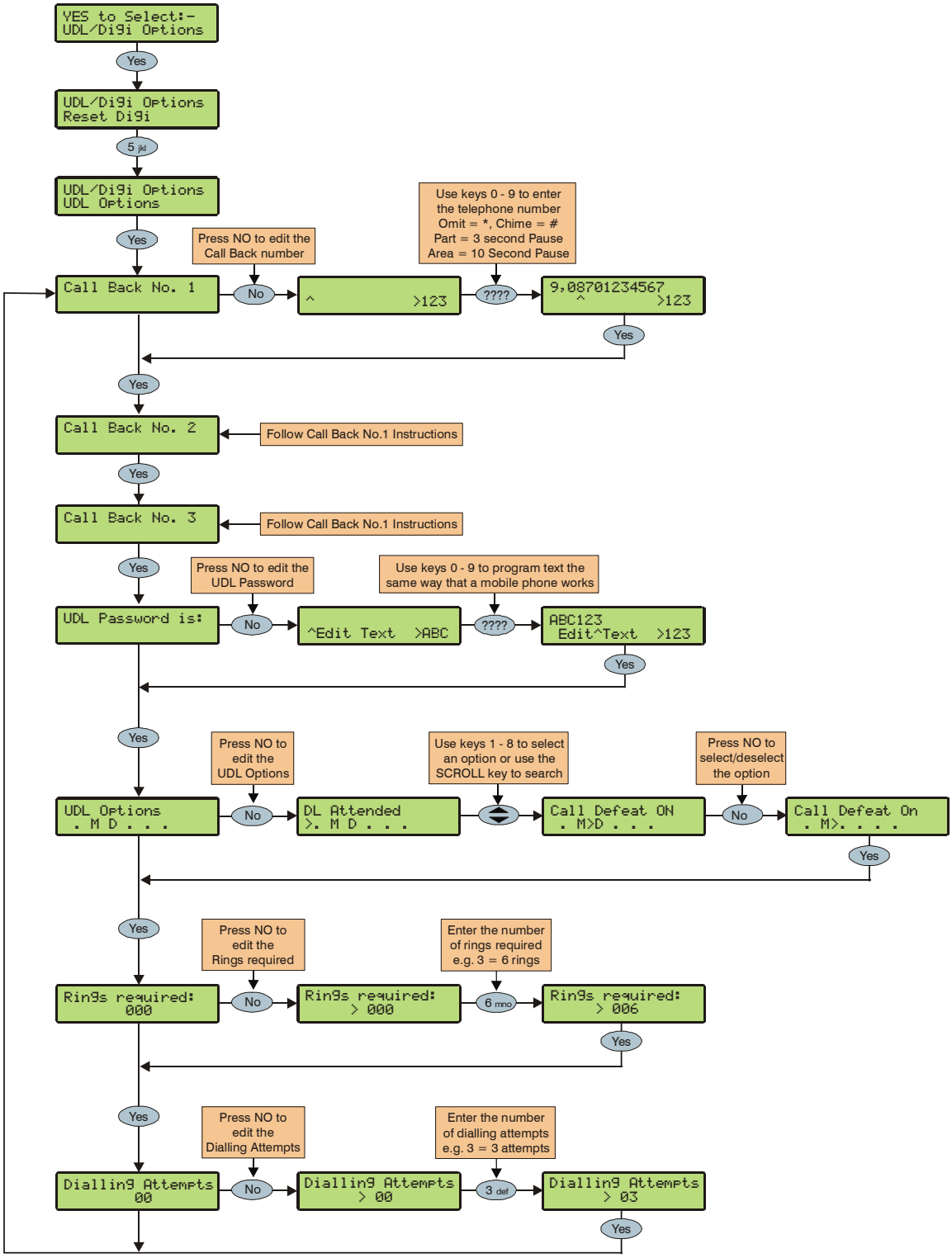
Accounts are selected as account numbers 01 to 16 and they refer to the system areas as follows.

Selected	Panel Area
01	A1
02	A2
03	A3
04	A4
05	A5
06	A6
07	A7
08	A8
09	B1
10	B2
11	B3
12	B4
13	B5
14	B6
15	B7
16	B8

The programmed account number will be reported to the Alarm Receiving Centre when any reportable event occurs. Each account number can be up to 6 digits.

NOTE In order for the control panel to use the area account numbers, the area account Config. option must be enabled (see page 70 for details).

UDL Options


YES to Select:-
UDL/Digi Options
Yes
UDL/Digi Options
Reset Digi
5 jkl
UDL/Digi Options
UDL Options
Yes
Press NO to edit the Call Back number
Use keys 0 - 9 to enter the telephone number
Omit = *, Chime = #
Part = 3 second Pause
Area = 10 Second Pause
Call Back No. 1
No
^ >123
????
9,08701234567
^ >123
Yes
Yes
Call Back No. 2
Follow Call Back No.1 Instructions
Yes
Call Back No. 3
Follow Call Back No.1 Instructions
Yes
Press NO to edit the UDL Password
Use keys 0 - 9 to program text the same way that a mobile phone works
UDL Password is:
No
^Edit Text >ABC
????
ABC123
Edit^Text >123
Yes
Yes
Press NO to edit the UDL Options
Use keys 1 - 8 to select an option or use the SCROLL key to search
Press NO to select/deselect the option
UDL Options
. M D . . .
No
DL Attended
>. M D . . .
Call Defeat ON
. M>D . . .
No
Call Defeat On
. M>. . . .
Yes
Yes
Press NO to edit the Rings required
Enter the number of rings required
e.g. 3 = 6 rings
Rings required:
000
No
Rings required:
> 000
6 mno
Rings required:
> 006
Yes
Yes
Press NO to edit the Dialling Attempts
Enter the number of dialling attempts
e.g. 3 = 3 attempts
Dialling Attempts
00
No
Dialling Attempts
> 00
3 def
Dialling Attempts
> 03
Yes

The system has the following UDL download options:

Download Call Back Number 1
This is the telephone number that is dialled by the modem when 'Call-back Number 1' is requested by the remote UDL computer. This telephone number can be up to 24 digits.

Download Call Back Number 2
This is the telephone number that is dialled by the modem when 'Call-back Number 2' is requested by the remote UDL computer. This telephone number can be up to 24 digits.

Download Call Back Number 3
This is the telephone number that is dialled by the modem when 'Call-back Number 3' is requested by the remote UDL computer. This telephone number can be up to 24 digits.

UDL Password is:
When the remote downloading computer dials into the system, the control panel compares the UDL password sent by the computer with UDL password stored in the control panel. If the passwords match, access to the control panel is granted, if they don't match, access is denied.

NOTE If more than three attempts at reporting are made with a wrong password, the modem will lock out for 4 hours or until a Master User code is entered.

The UDL password programmed in this option must also be programmed in the customer account on the remote downloading computer. This password can be up to 16 characters (numbers and letters).

If no UDL Password has been programmed, access to the control panel can be gained by using the engineers code as the UDL Password.

UDL Options
There are 6 UDL options that affect how and when access to the control panel via the *Wintex UDL* software is allowed.

Select options by pressing keys 1 to 6 (a letter on the display means the option is selected, a Dot on the display means the option is not selected).

The following UDL options are available:

A - DL Attended
The system will not allow the remote downloading computer access without user authorisation first.

M - Man Call-Back
The system will not use the automatic call back feature. The user must instruct the panel to call back the remote downloading computer.

The Auto Call-Back feature operates as follows:

- The remote downloading computer calls the control panel and establishes a connection
- The UDL password is verified and the remote downloading computer instructs the panel to call it back using one of the 3 call back numbers
- The panel hangs up and dials the requested number and re-establishes the connection with the remote downloading computer

D - Call Defeat
The modem will answer incoming calls as follows:

- The modem must detect one or more rings and the number of rings must NOT exceed the value set up in 'Rings Required'
- When the ringing stops, the panel will start a 30 second delay timer
- If the modem detects ringing before the timer expires it will answer the call immediately

L - Armed DL Limited
The panel will not allow download access when the system is armed (also see below).

A - Any Area Armed
The panel will not allow download access when any areas are armed.

K - Online RKP = Off
The control panel cannot be accessed using the 'On-line' keypad feature of the *Wintex UDL* software.

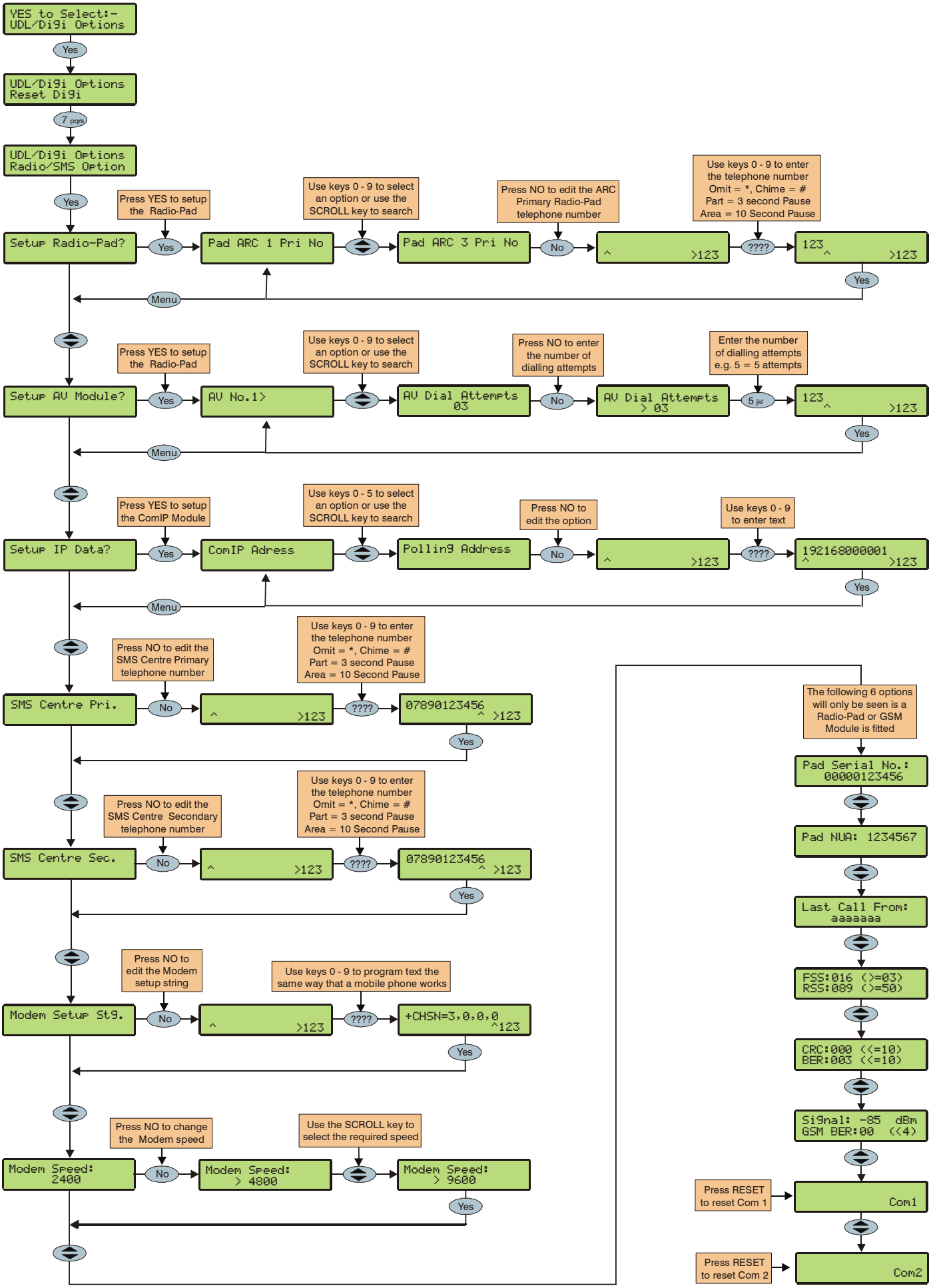
Rings Required
This counter controls the number of rings the modem needs to see before it will answer the call (Default = 003).

UDL Dial Attempt
If a 'Call-Back' is started, this option controls how many times the modem will try to call the remote downloading computer before giving up (Default = 003).

NOTE Enter the number of dialling attempts. This number is limited to 9. If this value is set to 0, the communicator will never dial out.

This only affects the modem for download access and does not affect the operation of the communicator in any way.

Radio/SMS Options



The following options are used when a Paknet Radio-Pad is connected to the control panel in order to achieve DUAL SIGNALLING to an Alarm Receiving Centre, when a MODEM (External PC or *Com2400*) is used to connect to the control panel or send SMS messages to mobile phones, when an AV Module is connected to the control panel in order to achieve AUDIO VERIFICATION to an Alarm Receiving Centre or when a TCP/IP Module is connected for communications over a Broadband/ADSL/DSL Line.

Setup Radio-Pad

Pad ARC 1 Pri No
This is the first number that is used by the Radio-Pad for reporting events to ARC 1.

Pad ARC 1 Sec No
This is the second number that is used by the Radio-Pad for reporting events to ARC 1.

Pad ARC 1 Prefix
This number will prefix the account number for ARC 1.

Pad ARC 2 Pri No
This is the first number that is used by the Radio-Pad for reporting events to ARC 2.

Pad ARC 2 Sec No
This is the second number that is used by the Radio-Pad for reporting events to ARC 2.

Pad ARC 2 Prefix
This number will prefix the account number for ARC 2.

Pad ARC 3 Pri No
This is the first number that is used by the Radio-Pad for reporting events to ARC 3.

Pad ARC 3 Sec No
This is the second number that is used by the Radio-Pad for reporting events to ARC 3.

Pad ARC 3 Prefix
This number will prefix the account number for ARC 3.

Radio-Pad Attempts
This is the number of times the Radio-Pad will try to dial the Alarm Receiving Centre telephone number before giving up.

NOTE The number of dialling attempts is limited to 9. If this value is set to 0, the Radio-Pad will never dial out.

Setup AV Module

AV No. 1>
This is the first number that is dialled by the AV Module.

AV No. 3>
This is the second number that is dialled by the AV Module.

AV No. 3>
This is the third number that is dialled by the AV Module.

AV Dial Attempts
This is how many times the AV Module will attempt to dial before giving up.

NOTE The number of dialling attempts is limited to 9. If this value is set to 0, the AV Module will never dial out.

AV Re-Dial Delay
This is the amount of delay that the AV Module uses between re-dialling telephone numbers.

Setup IP Module

ComIP Address
This is the IP Address of the IP Module.

ComIP Port
This is the Port number of the IP Module.

ComIP Gateway
This is the Gateway IP Address that the IP Module communicates through.

ComIP Mask
This is the Subnet Mask number for the IP Module.

Polling/SMG Address
This is the IP address of a dedicated Polling or SMG Server that the IP Module might need to connect to.

Name/SMG Port
This is a descriptive name for the IP Module or SMG Port and might be used for authentication purposes.

SMS Centre Pri.
This is the first SMS centre telephone number that is used by for sending SMS to mobile phones. (Default = 07860 980480).

SMS Centre Sec.
This is the second SMS centre telephone number that is used by for sending SMS to mobile phones.

Modem Setup Stg.
If a standard PC modem is connected to Com1 or Com2, it may require a configuration string to make it work properly (please refer to instruction manual of modem being used for details of required AT commands).

NOTE The Setup string is programmed the same way that TEXT would be programmed and has a maximum length of 16 characters.

The setup string does NOT require AT to be entered at the beginning as this is done automatically.

Modem Speed
This option allows the speed of a standard PC modem connected to Com1 or Com2 to be adjusted.

Pad Serial No.
This screen displays the Serial number of the Radio-Pad that is connected.

Pad NUA
This screen displays the NUA number of the Radio-Pad that is connected.

Last Call From
This screen displays the NUA number of the last Radio-Pad that communicated with the Radio-Pad that is connected to the control panel.

FSS:??? (>=004), Forward Signal Strength
RSS:??? (>=050), Reverse Signal Strength
This screen displays the Radio-Pad Forward (FSS) and Reverse (RSS) Signal Strength of the Radio-Pad that is connected to the control panel.

NOTE The FSS value should be greater than or equal to 4 and the RSS value should be greater than or equal to 50.

CRC:??? (<=009), Cyclic Redundancy Check
BER:??? (<=009), Bit Error Rate
This screen displays the Cyclic Redundancy Check (CRC) and Bit Rate Error (BER) of the Radio-Pad that is connected to the control panel.

NOTE The CRC and BER values should be less than 10.

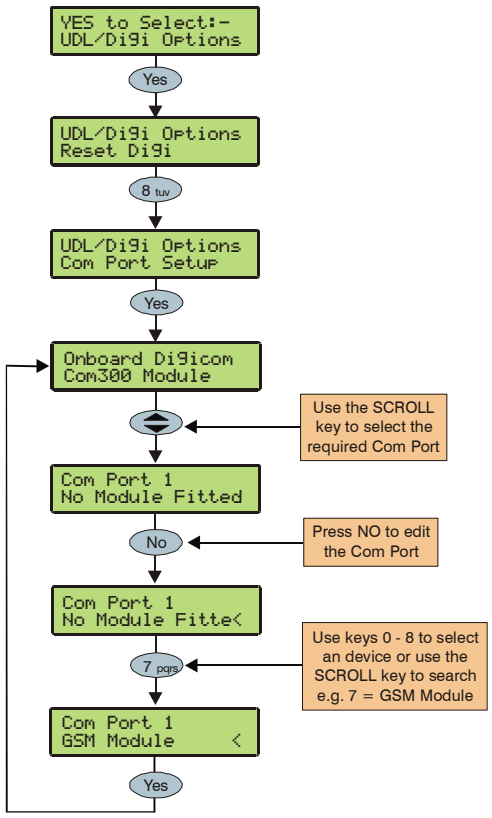
Signal =??? dBm (<=080), GSM Signal
GSM BER:??? (<=004), GSM Bit Error Rate
This screen displays the signal strength (GSM) and Bit Rate Error (BER) of a GSM Module that is connected to the control panel.

NOTE The GSM value should be greater than or equal to 80 and the BER value should be less than 9.

Com1 Monitor Screen
This screen allows you to view the data activity of Com1. Press RESET to reset the device connected to this port.

Com2 Monitor Screen
This screen allows you to view the data activity of Com2. Press RESET to reset the device connected to this port.

Com Port Setup



The control panel must be programmed with the type of device that are connected to each of its coms ports.

Com Port 1 and 2

Available Device Types:

0: No Module Fitted - No Devices/*PC-Com*/ *USB-Com*
1: *Com300* - *Com300* Communicator.
2: *Com2400* - *Com2400* Communicator.
3: *ComISDN* - *ComISDN* Communicator.
4: *ComIP* - *ComIP* TCP/IP Communication Module.
5: Modem Unit - Standard Serial PC Modem.
6: Radio Pad - Paknet *RP9 Radio-Pad*.
7: GSM Module - GSM Module/Mobile Phone.
8: Crestron System - Crestron Home Automation System.
9: SIP - Serial IP Protocol.
10: *RadioPlus* - Premier Serial Wireless Receiver.
11: Inovonics Radio - Inovonics Serial Wireless Receiver.
12: WebWayOne - WebWayOne UDP Module.
13: X-10 Control - X-10 Home Automation Module.
14: IRIS IP - Chiron IRIS Serial TCP/IP Module.

Onboard Digicom
This option determines what type of device is connected to the plug-on digmodem connector on the top right hand corner of the control panel. (Default = Com300).

Available Device Types:

0 / **1** / **2** / **3**

Com1
This option determines what type of device is connected to the Com1 connector on the left hand side of the control panel. (Default = No Module Fitted).

Available Device Types:

0 / **2** / **3** / **4** / **5** / **7** / **8** / **9** / **10** / **12** / **13** / **14**

NOTE If any of the above devices are connected to the control panel on Com1 and a PC needs to be connected (for uploading/downloading) the device must be disconnected from Com 1 and the 'Factory Default' button pressed for 3 seconds to allow the PC to talk to the control panel.

If the PC is not connected to the control panel (or is removed) the Com port will automatically revert back to normal operation after 1 minute.

Com2
This option determines what type of device is connected to the Com2 connector on the left hand side of the control panel. (Default = No Module Fitted).

Available Device Types:

0 / **2** / **3** / **4** / **5** / **6** / **7** / **8** / **9** / **10** / **11** / **12** / **13** / **14**

Expansion Port
This option determines what type of device is connected to the Expansion Port connector (Default = No Module Fitted).

Available Device Types:

0: No Module Fitted - No Devices
1: AV Module - Premier Audio Verification Module
2: iD Module - Premier 60IXD iD Module
3: X10 Module - X10 Controller
4: Premier OP8 - Premier Output Module (8 Outputs)

Zone Alarm Reporting Codes

The Reporting codes for Contact ID and SIA are fully configurable, however these codes can only be changed using *Wintex* downloading software.

The following tables show the default codes for each event on the system:

Default Zone Event Codes

No	Zone Type	Event	Reporting Group	Contact ID	SIA
00	Entry/Exit 1	Alarm	Alarm	134	BA
		Alarm Restore	Restore	134	BH
		Omit	Omit/Reinstate	573	BB
		Reinstate	Omit/Reinstate	573	BU
01	Entry/Exit 2	Alarm	Alarm	134	BA
		Alarm Restore	Restore	134	BH
		Omit	Omit/Reinstate	573	BB
		Reinstate	Omit/Reinstate	573	BU
02	Guard	Alarm	Alarm	132	BA
		Alarm Restore	Restore	132	BH
		Omit	Omit/Reinstate	573	BB
		Reinstate	Omit/Reinstate	573	BU
03	Guard Access	Alarm	Alarm	132	BA
		Alarm Restore	Restore	132	BH
		Omit	Omit/Reinstate	573	BB
		Reinstate	Omit/Reinstate	573	BU
04	24Hr Audible	Alarm	Tamper	133	BA
		Alarm Restore	Restore	133	BH
		Omit	Omit/Reinstate	572	BB
		Reinstate	Omit/Reinstate	572	BU
05	24Hr Silent	Alarm	Tamper	133	BA
		Alarm Restore	Restore	133	BH
		Omit	Omit/Reinstate	572	BB
		Reinstate	Omit/Reinstate	572	BU
06	Audible PA	Alarm	Priority Alarm	123	PA
		Alarm Restore	Restore	123	PH
		Omit	Omit/Reinstate	573	PB
		Reinstate	Omit/Reinstate	573	PU
07	Silent PA	Alarm	Priority Alarm	122	HA
		Alarm Restore	Restore	122	HH
		Omit	Omit/Reinstate	573	HB
		Reinstate	Omit/Reinstate	573	HU
08	Fire Alarm	Alarm	Priority Alarm	110	FA
		Alarm Restore	Restore	110	FH
		Omit	Omit/Reinstate	571	FB
		Reinstate	Omit/Reinstate	571	FU
09	Medical	Alarm	Priority Alarm	100	MA
		Alarm Restore	Restore	100	MH
		Omit	Omit/Reinstate	572	MB
		Reinstate	Omit/Reinstate	572	MU
10	24Hr Gas Alarm	Alarm	Tamper	151	GA
		Alarm Restore	Restore	151	GH
		Omit	Omit/Reinstate	572	GB
		Reinstate	Omit/Reinstate	572	GU

No	Zone Type	Event	Reporting Group	Contact ID	SIA
11	Auxiliary Alarm	Alarm	Tamper	150	UA
		Alarm Restore	Restore	150	UH
		Omit	Omit/Reinstate	572	UB
		Reinstate	Omit/Reinstate	572	UU
12	24Hr Tamper Alarm	Alarm	Tamper	137	TA
		Alarm Restore	Restore	137	TR
		Omit	Omit/Reinstate	572	TB
		Reinstate	Omit/Reinstate	572	TU
13	Exit Terminator	Alarm	Open/Close	---	--
		Alarm Restore	Open/Close	---	--
		Omit	Omit/Reinstate	570	UB
		Reinstate	Omit/Reinstate	570	UU
14	Keyswitch - Momentary	Alarm	Open/Close	409	OP
		Alarm Restore	Open/Close	409	CL
		Omit	Omit/Reinstate	570	UB
		Reinstate	Omit/Reinstate	570	UU
15	Keyswitch - Latching	Alarm	Open/Close	409	OP
		Alarm Restore	Open/Close	409	CL
		Omit	Omit/Reinstate	570	UB
		Reinstate	Omit/Reinstate	570	UU
16	Security Key	Alarm	Open/Close	421	DK
		Alarm Restore	Open/Close	421	DG
		Omit	Omit/Reinstate	570	UB
		Reinstate	Omit/Reinstate	570	UU
17	Omit Key	Alarm	Omit/Reinstate	---	--
		Alarm Restore	Omit/Reinstate	---	--
		Omit	Omit/Reinstate	570	UB
		Reinstate	Omit/Reinstate	570	UU
17	Custom	Alarm	Not Reported	---	--
		Alarm Restore	Not Reported	---	--
		Omit	Not Reported	---	--
		Reinstate	Not Reported	---	--

Non-Zone Event Types

The default Non-Zone Event codes are as follows:

No	Type	Event	Reporting Group	Contact ID	SIA	ID
00	Keypad Medical	Alarm	Priority Alarm	100	MA	Keypad No *
		Restore	Restore	100	MH	Keypad No *
01	Keypad Fire	Alarm	Priority Alarm	115	FA	Keypad No *
		Restore	Restore	115	FH	Keypad No *
02	Keypad Audible PA	Alarm	Priority Alarm	120	PA	Keypad No *
		Restore	Restore	120	PH	Keypad No *
03	Keypad Silent PA	Alarm	Priority Alarm	122	PA	Keypad No *
		Restore	Restore	122	PH	Keypad No *
04	Duress Code Alarm	Alarm	Priority Alarm	121	HA	User No
		Restore	Restore -	122	HH	User No
05	Alarm Active	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
06	Bell Active	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
07	Zones Locked Out	Alarm	Alarm	130	BA	Zone No
		Restore	Not Reported	-	-	-
08	Verified Cross Zone Alarm	Alarm	Alarm	130	BV	00
		Restore	Not Reported	-	-	-

No	Type	Event	Reporting Group	Contact ID	SIA	ID
09	User Code	Alarm	Not Reported	-	-	User No
		Restore	Not Reported	-	-	-
10	Exit Started	Alarm	Not Reported	-	-	Keypad No
		Restore	Not Reported	-	-	-
11	Exit Error (Arming Failed)	Alarm	Open/Close	457	EE	00
		Restore	Not Reported	-	-	-
12	Entry Started	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
13	Area Arm Suite	Alarm	Open/Close	-	-	Suite No 1 - 8
		Restore	Open/Close	-	-	-
14	Armed with Line Fault	Alarm	Not Reported	-	-	User No
		Restore	Not Reported	-	-	-
15	Open/Close (Full Arm)	Alarm	Open/Close	401	OP	User No
		Restore	Open/Close	401	CL	User No
16	Open/Close (Part Arm)	Alarm	Open/Close	401	OP	User No
		Restore	Open/Close	401	CL	User No
17	Auto Open/Close	Alarm	Open/Close	403	OA	00
		Restore	Open/Close	403	CA	00
18	Auto Arm Deferred	Alarm	Open/Close	405	CE	User No
		Restore	Open/Close	-	-	-
19	Open After Alarm (Alarm Abort)	Alarm	Open/Close	406	OR	00
		Restore	Not Reported	-	-	-
20	Remote Open/Close	Alarm	Open/Close	407	OP	00
		Restore	Open/Close	407	CL	00
21	Quick Arm	Alarm	Not Reported	-	-	-
		Restore	Open/Close	408	CL	Keypad No *
22	Recent Closing	Alarm	Open/Close	459	CR	00
		Restore	Not Reported	-	-	-
23	Reset After Alarm	Alarm	Restore	-	-	Reset ID ****
		Restore	Not Reported	-	-	-
24	Auxiliary 12V Fuse Fail	Alarm	Maintenance	300	YP	Device ID **
		Restore	Restore	300	YQ	Device ID **
25	AC Fail	Alarm	Maintenance	301	AT	00
		Restore	Restore	301	AR	00
26	Low Battery	Alarm	Maintenance	302	YT	00
		Restore	Restore	302	YR	00
27	System Power Up	Alarm	Maintenance	305	RR	00
		Restore	Not Reported	-	-	-
28	Bell Fuse Failure	Alarm	Maintenance	321	YA	00
		Restore	Restore	321	YH	00
29	ATS Path Fault	Alarm	Maintenance	351	LT	Line Fault ID ***
		Restore	Restore	351	LR	Line Fault ID ***
30	Fail to Communicate	Alarm	Maintenance	354	YC	00
		Restore	Not Reported	-	-	-
31	Download Start	Alarm	Maintenance	411	RB	00
		Restore	Not Reported	-	-	-
32	Download End	Alarm	Maintenance	412	RS	-
		Restore	Not Reported	-	-	-
33	Log Capacity Alert (80%)	Alarm	Maintenance	623	JL	00
		Restore	Not Reported	-	-	-
34	Date Changed	Alarm	Maintenance	625	JD	User No
		Restore	Not Reported	-	-	-
35	Time Changed	Alarm	Maintenance	625	JT	User No
		Restore	Not Reported	-	-	-

No	Type	Event	Reporting Group	Contact ID	SIA	ID
36	Installer Programming Start	Alarm	Maintenance	627	LB	User No
		Restore	Not Reported	-	-	-
37	Installer Programming End	Alarm	Maintenance	628	LS	User No
		Restore	Not Reported	-	-	-
38	Panel Box Tamper	Alarm	Tamper	145	TA	00
		Restore	Restore	145	TR	00
39	Bell Tamper	Alarm	Tamper	145	TA	Device ID **
		Restore	Restore	145	TR	Device ID **
40	Auxiliary Tamper	Alarm	Tamper	145	TA	Device ID **
		Restore	Restore	145	TR	Device ID **
41	Expander Tamper	Alarm	Tamper	145	TA	Device ID **
		Restore	Restore	145	TR	Device ID **
42	Keypad Tamper	Alarm	Tamper	145	TA	Keypad No *
		Restore	Restore	145	TR	Keypad No *
43	Expander Trouble (Network Error)	Alarm	Tamper	333	ET	Device ID **
		Restore	Restore	333	ER	Device ID **
44	Keypad Trouble (Network Error)	Alarm	Tamper	333	ET	Keypad No *
		Restore	Restore	333	ER	Keypad No *
45	Fire Zone Tamper	Alarm	Tamper	373	FT	Zone No
		Restore	Restore	373	FJ	Zone No
46	Zone Tamper	Alarm	Tamper	383	TA	Zone No
		Restore	Restore	383	TR	Zone No
47	Keypad Lockout	Alarm	Tamper	421	JA	Keypad No *
		Restore	Not Reported	-	-	-
48	Code Tamper Alarm	Alarm	Tamper	421	JA	Keypad No *
		Restore	Not Reported	-	-	-
49	Soak Test Alarm	Alarm	Test	-	-	Zone No
		Restore	Restore	-	-	Zone No
50	Manual Test Call	Alarm	Test	601	RX	00
		Restore	Not Reported	-	-	-
51	Automatic Test Call	Alarm	Test	602	RP	00
		Restore	Not Reported	-	-	-
52	User Walk Test Start/End	Alarm	Test	607	TS	User No
		Restore	Restore	607	TE	User No
53	NVM Defaults Loaded	Alarm	Not Reported	-	-	Zone No
		Restore	Not Reported	-	-	Zone No
54	First Knock	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
55	Door Access	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
56	Part Arm 1	Alarm	Not Reported	-	-	-
		Restore	Close	401	CL	User No
57	Part Arm 2	Alarm	Not Reported	-	-	-
		Restore	Close	401	CL	User No
58	Part Arm 3	Alarm	Not Reported	-	-	-
		Restore	Close	401	CL	User No
59	Auto Arming Start	Alarm	Not Reported	-	-	-
		Restore	Close	401	CL	000
60	Confirmed Alarm	Alarm	Alarm	139	BV	Zone No
		Restore	Not Reported	-	-	-
61	Prox TAG	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
62	Access Code Changed/Deleted	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-

No	Type	Event	Reporting Group	Contact ID	SIA	ID
63	Arm Failed	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
64	Log Cleared	Alarm	Maintenance	-	-	-
		Restore	Not Reported	401	CL	000
65	iD Loop Shorted	Alarm	Tamper	145	TA	000
		Restore	Restore	145	TR	-
66	Communication Port	Alarm	Maintenance	-	-	000
		Restore	Restore	-	-	000
67	TAG System Exit (Batt. OK)	Alarm	Not Reported	-	-	Zone No
		Restore	Not Reported	-	-	Zone No
68	TAG System Exit (Batt. LOW)	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
69	TAG System Entry (Batt. OK)	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
70	TAG System Entry (Batt. LOW)	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
71	Microphone Activated	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
72	AV Cleared Doen	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
73	Monitored Alarm	Alarm	Alarm	220	BA	Zone No
		Restore	Restore	220	BH	Zone No
74	Expander Low Voltage	Alarm	Maintenance	143	ET	Device No
		Restore	Restore	143	ER	Device No
75	Supervision Fault	Alarm	Maintenance	355	UT	Zone No
		Restore	Restore	355	UJ	Zone No
76	PA From Remote FOB	Alarm	Priority Alarm	121	121	Zone No
		Restore	Restore	HA	HH	Zone No
77	RF Device Low Battery	Alarm	Maintenance	384	XT	Zone/User No
		Restore	Restore	384	XR	Zone/User No
78	Site Data Changed	Alarm	Maintenance	-	-	-
		Restore	Restore	-	-	-
79	Radio Jamming	Alarm	Maintenance	344	XQ	000
		Restore	Restore	344	-	000
80	Test Call Passed	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
81	Test Call Failed	Alarm	Not Reported	-	-	-
		Restore	Not Reported	-	-	-
82	Zone Fault	Alarm	Maintenance	380	UT	Zone No
		Restore	Restore	380	UJ	Zone No
83	Zone Masked	Alarm	Alarm	380	UT	Zone No
		Restore	Restore	380	UJ	Zone No
84	Faults Overridden	Alarm	Maintenance	-	-	000
		Restore	Not Reported	-	-	000
85	PSU AC Fail	Alarm	Maintenance	301	AT	Device No
		Restore	Restore	301	AR	Device No
86	PSU Low Battery Fail	Alarm	Maintenance	302	YT	Device No
		Restore	Restore	302	YR	Device No
87	PSU Low Output Fail	Alarm	Maintenance	300	YP	Device No
		Restore	Restore	300	YQ	Device No
88	PSU Tamper	Alarm	Tamper	333	TA	Device No
		Restore	Restore	333	TR	Device No

*Tamper Fault ID ****

Panel ID is transmitted as follows:

Device	ID
Panel	000

Keypad ID is transmitted as follows:

	Network							
RKP	1	2	3	4	5	6	7	8
1	11	21	31	41	51	61	71	81
2	12	22	32	42	52	62	72	82
3	13	23	33	43	53	63	73	83
4	14	24	34	44	54	64	74	84
5	15	25	35	45	55	65	75	85
6	16	26	36	46	56	66	76	86
7	17	27	37	47	57	67	77	87
8	18	28	38	48	58	68	78	88

Expander ID is transmitted as follows:

	Network							
EXP	1	2	3	4	5	6	7	8
1	11	21	31	41	51	61	71	81
2	12	22	32	42	52	62	72	82
3	13	23	33	43	53	63	73	83
4	14	24	34	44	54	64	74	84
5	15	25	35	45	55	65	75	85
6	16	26	36	46	56	66	76	86
7	17	27	37	47	57	67	77	87
8	18	28	38	48	58	68	78	88

*ATS Path Fault ID ****

Line Fault ID is transmitted as follows:

Device	ID
Panel	00
RedCARE	01
Com300	03

Expander ID is transmitted as follows:

	Network							
EXP	1	2	3	4	5	6	7	8
1	11	21	31	41	51	61	71	81
2	12	22	32	42	52	62	72	82
3	13	23	33	43	53	63	73	83
4	14	24	34	44	54	64	74	84
5	15	25	35	45	55	65	75	85
6	16	26	36	46	56	66	76	86
7	17	27	37	47	57	67	77	87
8	18	28	38	48	58	68	78	88

*Reset ID *****

Reset ID is transmitted as follows:

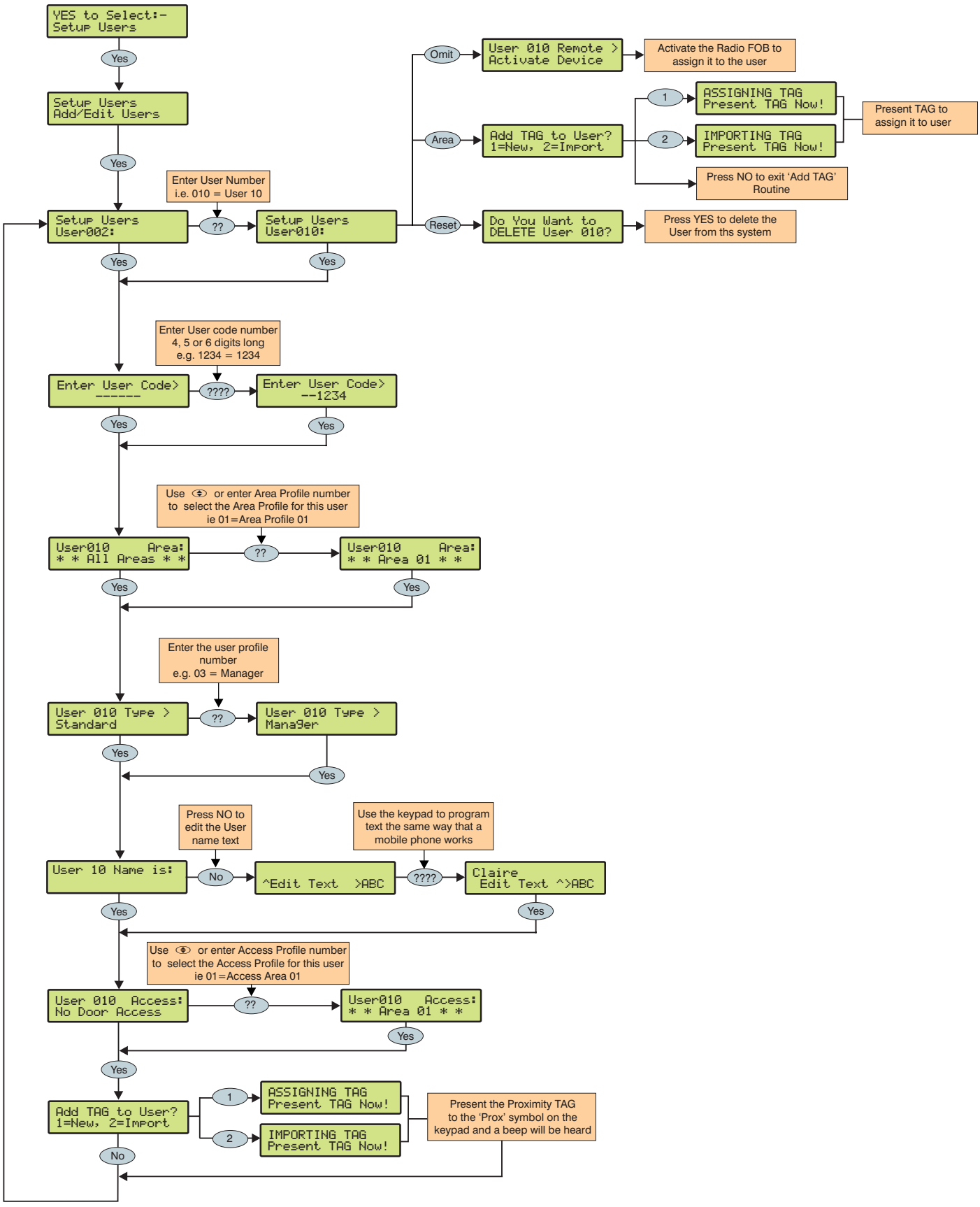
Device	ID
Panel (RR)	00
Engineer	01
Anti-Code	02
RedCARE	03
Keyswitch	04
User	05
Wintex	07

Expander ID is transmitted as follows:

	Network							
EXP	1	2	3	4	5	6	7	8
1	11	21	31	41	51	61	71	81
2	12	22	32	42	52	62	72	82
3	13	23	33	43	53	63	73	83
4	14	24	34	44	54	64	74	84
5	15	25	35	45	55	65	75	85
6	16	26	36	46	56	66	76	86
7	17	27	37	47	57	67	77	87
8	18	28	38	48	58	68	78	88

5.8 Setup Users

Add/Edit Users



This section covers the alteration of existing users and the addition of new users to the system. The *Premier 640* can be assigned up to 499 users (plus Engineer).

Default User Codes

When the control panel is first powered up and the factory default settings are loaded (see page 28 for details), only the Engineer code and the Master User code exist.

The Factory default Engineer User code is
(1) (2abc) (3def) (4ghi).

NOTE The Engineer is always User 000.

If the Engineer code has been lost or forgotten, it can normally be reset back to the factory default without having to reprogram the entire system (see page 33 for details).

Resetting the Engineer code is only possible if the NVM has not been locked (see page 49 for details).

The Factory default Master User code is
(5jkl) (6mno) (7pqrs) (8tuv).

NOTE The Master User is always User 001.

If the Master User code has been lost or forgotten, it can be reprogrammed by the Engineer in this menu.

Programming New Users

Each User code on the system is made up of the following elements. **Items 1**, **2 or 7**, **3** , 4 and 6 which are essential for the code to function correctly and items **5, 7** and **8** which are optional.

1. User Number
When users are assigned to the system, they need to be identified by the control panel. Each user is identified as Users 001, 002, 003 etc. User 001 is always the Master User.

2. User Code
This is a unique 4, 5 or 6 digit code number that is assigned to a user. The system will allow a mixture of different length User codes. The User code must be entered at a keypad to operate the alarm system.

3. User Areas (Area Profile)
Any number of areas can be assigned to the selected user via area profiles. Assigning areas to a user determines which areas can be armed, disarmed, reset etc. by that user
When an ***Area Profile*** is assigned to a user, they are automatically given access to all Areas assigned to the ***Area Profile.*** Any subsequent changes to the ***Area Profile*** will automatically change the areas available to all users assigned to the profile..

4. User Types (User Profile)
The User type determines which functions are available to the user , user types are setup as ***User Profiles*** and then allocated to individual users.
When a ***User Profile*** is assigned to a user, the user is automatically granted all of the functions set in the ***User Profile***. Any subsequent changes to the ***User Profile*** will automatically carry through to all users assigned to the profile.

5. User Name Text
Each user can be assigned up to 8 characters of name text. The name text is displayed whenever a code is entered and also when reading the log, making identification of people using the alarm easier.

6. Door Access (Access Profile)
Door control is assigned via ***Access Profiles*** which determine which door strikes the user can control.

7. Proximity TAG
As well as or instead of operating the alarm system with a code number, it is also possible to operate it by presenting a Proximity TAG to the keypad (this requires a Proximity keypad).

8. Radio FOB
As well as or instead of operating the alarm system with a code number or Proximity TAG, it is also possible to operate it Using a Wireless Radio Transmitter (this requires a Wireless Radio Receiver keypad).

User Name Text

Each user can be assigned up to 8 characters of name text. This can be beneficial when reading the log, as identification of people is made easier.

See page 33 for details on programming text.

Text is programmed in a similar way to mobile phones. Select characters 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).

Deleting Users

If a User code needs to be deleted from the system, this must be done, by a user that has access to the 'Setup Users' menu.

To delete User codes proceed as follows:

Ensure that Setup Users is selected, the display should look like this:

```
Do you want to
Setup Users?
```

Press (Yes), the display should look like this:

```
Setup Users
Enter User --
```

Select a user from 1 to 99 (?) (?) then **press** (Yes), the display should look like this:

```
Enter User Code>
      ------
```

Press (Reset), the display will look something like this:

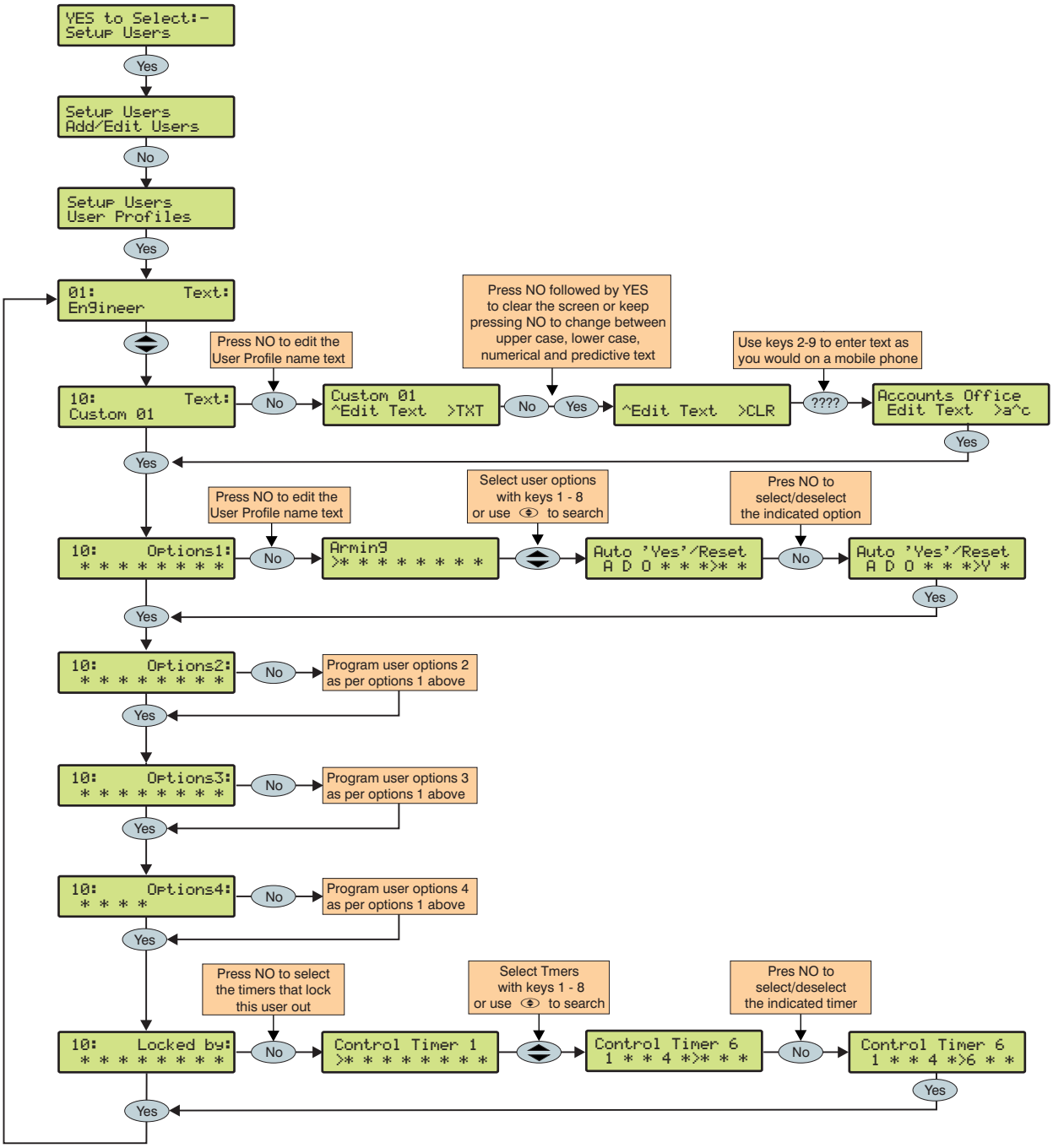
```
Do you want to
DELETE User 15
```

Where '15' is the selected User number.

Press (Yes) to confirm deletion of the selected User code

Press (Menu) to exit from Setup Users

User Profiles



NOTE A number of preset ***User Profiles*** are provided as defaults (See ***Default User Profiles*** on page 88). These are equivalent to the preset user types provided in previous versions of the 640. ***User Profiles*** 01 and 02 cannot be altered.

User Profile Text

Each ***User Profile*** can be given a 16 character text name to identify it. See page 33 for details of how to program text.

User Options

The user option menus define which options are available to the users assigned to the ***User Profile*** when their code is entered. There are 4 screens of user options, all are programmed in the same way

Press (No) to edit options then either:

- Press (◆) to scroll through the options and press (No) to toggle the selected option on and off, or:.
- use keys (1) - (8tuv) ('Letter' = option **IS** selected, 'Star' = option is **NOT** selected).

User Options 1

A - Arming
Areas assigned to the selected user can be armed.

D - Disarming
Areas assigned to the selected user can be disarmed.

O - Omitting
Zones assigned to the same areas as the selected user can be omitted, providing that they have the 'omit' attribute assigned to them.

R - Eng. Reset (Engineers only)
Areas programmed as 'Engineer reset' can be reset after an Alarm has occurred.

a - Local Arming
The User can only arm areas that the keypad is assigned to.

d - Local Disarm
The User can only disarm areas that the keypad is assigned to, or areas that are in entry or alarm (provided that the code has that area assigned to it).

Y - Auto 'YES'
After a User code has been entered, pressing the (Yes) key to confirm the next action is not required.

F - Disarm First
If an area is already armed and the selected user enters their code, the 'Disarm' option is displayed.

User Options 2

U - User Menu
The selected user has access to the User menu. However, the selected user will only have access to options assigned in 'User Options 3'.

E - Eng. Program (Engineers only)
Only Available to Engineers.

D - Dual Code
The selected user can only access an area when a second User code (with the 'Dual Code' attribute and also assigned to the same area) is entered. Dual Code users will also activate the '1st and 2nd Code' output type.

V - Vacation
The selected user is enabled the first time it is used to disarm the system and can be used as many times as required. However, it will be automatically deleted the first time that the User 01 code is used to disarm. Vacation users will only be deleted by the Master user, once they have been used on the system.

S - Door Strike
The selected user will activate any outputs programmed as 'Door Strike', whenever their codes are entered.

NOTE The 'Door Strike' output works independently of any ***Access Profile*** assigned to the user.

R - Call Rem. PC
The selected user has access to the 'Call Remote PC' option, allowing them to initiate a call to a remote upload/download PC.

C - Duress Code
The selected user will activate any outputs programmed as 'Duress', whenever their codes are entered.

O - Open/Close
The selected user will report open (disarm) and close (arm) events to an Alarm Receiving Centre every time they arm or disarm.

User Options 3.

C - Change Code
The selected user can change their own User code.

Z - Chime Zones
The selected user can access the 'Edit Chime Zones' option, allowing them to select which zones chime when activated.

T - Change Timers
The selected user can access the 'Override Timers', 'Alter Timers', 'Alter Part Arms', 'Alter Hol. Dates' and 'Edit Phone No.' menu options.

S - System Tests
The selected user can access the 'System Tests' option, allowing them to walk test zones, activate the external sounder etc..

U - Setup Users
The selected user can access the 'Setup Users' option, allowing them to alter existing users or assign new users. However, users cannot assign User types to the system that have a higher access level than themselves. Also, if a user assigns a Custom User type, functions that are not available to them cannot be assigned to the Custom user.

E - Eng. Access
The selected user can access the 'Enable Engineer' option, allowing them to authorise Engineer access or Remote UDL access to the system.

A - Add Eng. Code (Engineers only)
Only Available to Engineers.

N - NVM Locking (Engineers only)
Only Available to Engineers.

User Options 4

T - Custom2A=No Tag
When ***Custom Output2A*** is active the user cannot use their TAG to access the system, access to setting, unsetting and user menus can only be gained via the user code.

C - Custom2B=No Code
When ***Custom Output2B*** is active the user cannot enter their user code, they must use a TAG..

Custom Output2B is normally programmed to operate during the entry time when the panel is fully armed. This is conform with the requirements for a ***EN50131 Grade 3*** panel. Users will only be able to unset the panel during entry with a TAG.

D - Tag+Code Needed
Users are required to enter their user code and present their TAG in order to set or unset the system or gain access to user menus.

S - Fob PA is Silent
Operation of the users Radio FOB PA generates a silent PA alarm.

User Time Lock

The Premier 640 provides 8 Custom timers, each with 2 on and 2 off controls.

Setting the ***User Locked by*** attributes to any combination of these timers allows the selected ***User Profile*** to be disabled at certain times and on certain days.

When a timer selected in ***User Locked by*** switches on, the selected ***User Profile*** is disabled and all users assigned to the profile will be unable to enter their codes or use TAGs or FOBs to set, unset or access user menus.

See page 52 for details on programming control timers.

Predefined User Profiles

There are a number of preset user profiles available by default User profiles 1 & 2 cannot be altered.

01: Engineer
Engineers can arm, disarm, omit zones, silence alarms and reset their assigned areas. In addition, Engineers can access the Programming Menu and all User menu options. Engineers can also change their own User codes and assign new users to the system.

NOTE The default Engineer User type (User 00) can assign any User types to the system.

Engineers can only disarm areas that were armed using an Engineer code. They cannot disarm any areas that were armed with another User code.

02: Master
Master users can arm, disarm, omit zones, silence alarms and reset their assigned areas. In addition, Master users can access all User menu options. Master users can also change their own User codes and assign new users to the system. The Master user will also activate any output programmed as 'Door Strike'.

03: Manager
Manager users can arm, disarm, omit zones, silence alarms and reset their assigned areas. In addition, Manager users can access all User menu options except Setup Users. Manager users can also change their own User codes.

04: Standard

Standard users can arm all the areas assigned to the code and disarm all the areas assigned to the code (even if only one area is in entry or alarm) from any keypad, omit zones, silence alarms and reset their assigned areas. In addition, Standard users can access all User menu options except for Setup Users, System Tests, and Change Timers. Standard users can also change their own User codes.

05: Local
Local users behave the same way as Standard users. However, Local users will only arm the area that the keypad is assigned to and disarm the area that is in entry or alarm (provided that the code has that area assigned to it

06: Duress
Duress users behave the same way as Standard users. However, Duress users will activate any outputs programmed as 'Panic Alarm' or 'Duress' whenever their code is entered.

NOTE Duress users can only be set up by an Engineer if system is set to Grade 3 – see configuration option 37.

07: Arm Only
Arm Only users can only arm or reset their assigned areas and view the event log.

08: Door Strike
Door Strike users have no access to User functions or Menu options. However, Door Strike users will activate any outputs programmed as 'Door Strike' whenever their code is entered (see page 64 for details).

09: Vacation
Vacation users behave the same way as Standard users. However, Vacation users will automatically be deleted the first time that the Master User code (User 01) is used to disarm the system.

NOTE Vacation user can only be deleted by the Master user after it has been used to disarm the system at least once.

10-32: Custom User Profiles
Custom ***User Profiles*** can be programmedenable users to access any functions and User menu options.

NOTE ***User Profiles*** 1 and 2 cannot be altered, all others can be programmed.

User Functions and Options For Predefined User Profiles

The table below shows the options that are available to each of the predefined ***User Profiles.***.

NOTE All users that have access to the '**Arming Menu'** have the ability to '**View Zone Status**', '**Set Chime Areas**', '**View Act. Faults**' and '**View Act. Counts**'.

All users have access to the '**User Menu**' have the ability to '**View Event Log**', '**Adjust Volumes**' and '**Print Event Log**'.

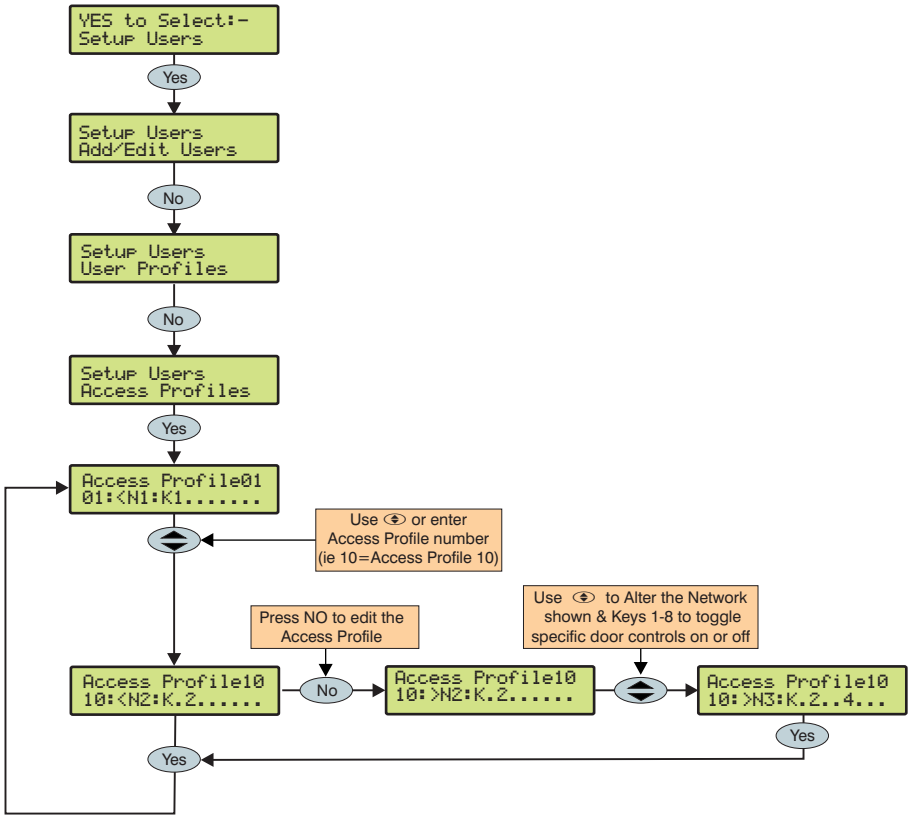
User Options 1									
Engineer	**Master**	**Manager**	**Standard**	**Local**	**Duress**	**Arm Only**	**Door Strike**	**Vacation**	**Custom 01-23**
Arming	Arming	Arming	Arming	Arming	Arming	Arming	-	Arming	-
Disarming	Disarming	Disarming	Disarming	Disarming	Disarming	-	-	Disarming	-
Omitting	Omitting	Omitting	Omitting	Omitting	Omitting	-	-	Omitting	-
Eng. Reset	-	-	-	-	-	-	-	-	-
-	-	-	-	Local Arming	-	-	-	-	-
-	-	-	-	Local Disarm	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Disarm First	Disarm First	Disarm First	Disarm First	Disarm First	Disarm First	-	-	Disarm First	-

User Options 2									
Engineer	**Master**	**Manager**	**Standard**	**Local**	**Duress**	**Arm Only**	**Door Strike**	**Vacation**	**Custom 01-23**
User Menu	User Menu	User Menu	User Menu	User Menu	-	User Menu	-	User Menu	-
Eng. Program	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	Vacation	-
Door Strike	Door Strike	-	-	-	-	-	Door Strike	-	-
Call Rem. PC	Call Rem. PC	Call Rem. PC	-	-	-	-	-	-	-
-	-	-	-	-	Duress Code	-	-	-	-
Open/Close	Open/Close	Open/Close	Open/Close	Open/Close	Open/Close	Open/Close	-	Open/Close	-

User Options 3.									
Engineer	**Master**	**Manager**	**Standard**	**Local**	**Duress**	**Arm Only**	**Door Strike**	**Vacation**	Custom 01-23
Change Code	Change Code	Change Code	Change Code	Change Code	-	-	-	-	-
Chime Zones	Chime Zones	Chime Zones	Chime Zones	Chime Zones	-	-	-	-	-
Change Timer	Change Timer	Change Timer	-	-	-	-	-	-	-
System Tests	System Tests	System Tests	-	-	-	-	-	-	-
Setup Users	Setup Users	-	-	-	-	-	-	-	-
Eng. Access	Eng. Access	Eng. Access	Eng. Access	Eng. Access	-	Eng. Access	-	Eng. Access	-
Add Eng. code	-	-	-	-	-	-	-	-	-
NVM Locking	-	-	-	-	-	-	-	-	-

User Options 4.									
Engineer	**Master**	**Manager**	**Standard**	**Local**	**Duress**	**Arm Only**	**Door Strike**	**Vacation**	Custom 01-23

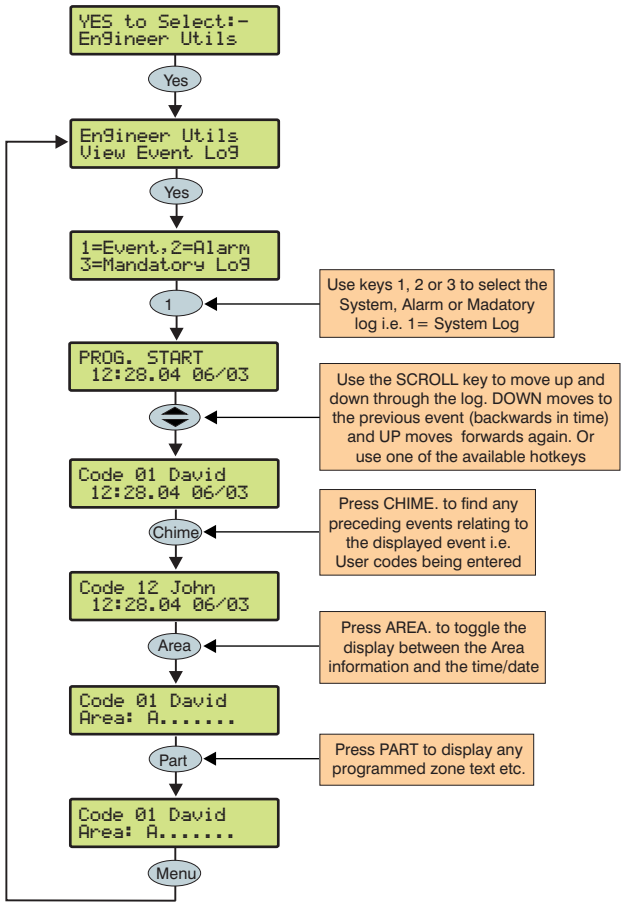
Access Profiles



An ***Access Profile*** determines the doors that a user assigned to the specified ***Access Profile*** can control. An ***Access Profile*** can be assigned to any number of users.
Once an ***Access Profile*** has been assigned, any subsequent changes will automatically be applied to all users assigned to the profile.

5.9 Engineer Utilities

View Event Log



The control panel has three Event Logs, which are time and date stamped. The first log which is a system log, records all events that occur on the system, i.e. Users entering their codes to arm or disarm areas, alarm events, failures to arm etc.

The second log which is an alarm log, only records alarm events that occur on the system.

The third log is the Mandatory Event log which records only events defined as 'mandatory' by ***EN50131***.

The ***System Log*** records the last 5000 events.

The ***Alarm Log*** records the last 32 alarm events.

The ***Mandatory Log*** records the last 500 mandatory events.

Event Log Hotkeys

When viewing the system log there are 8 hotkeys available. These hotkeys allow certain events to be found easier without the need for searching.

The following hotkeys are available:

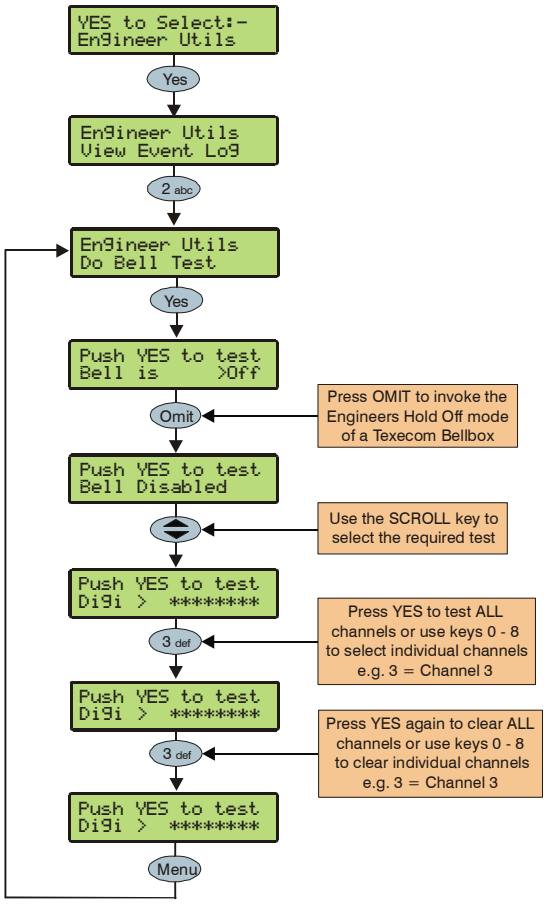
- (1) = Priority Alarms (PA, Fire etc.)
- (2 abc) = Normal Alarms (Guard, 24hr, Entry/Exit etc.)
- (3 def) = Opens and Closings (Arm, Disarm etc.)
- (4 ghi) = Omits and Reinstates (Zone Omits etc.)
- (5 jkl) = Maintenance (System Tests, Engineer Program etc.)
- (6 mno) = Tampers (Zone, Bell, Aux etc.)
- (7 pqrs) = Test Calls (Communicator Active, successful etc.)
- (8 tuv) = Entry/Exit (Entry and Exit Procedures)
- (0 _) = User Codes (User codes being used)

Event Log Descriptions

Log Event	Description
### ARM FAILED	An exit fault from Zone ### has caused the system to fail to arm
### Flt Alarm	Zone ### has detected a Fault condition
### Mask Alarm	Zone ### has detected a Mask condition
### Test Failed	Zone ### has activated whilst it has been on soak test
### Tested OK	Zone ### has activated during the walk test
#,# RESET AREAS -	Area have been reset using keypad #,# following an Intruder alarm
AC Off Alarm	The control panel has detected an AC Mains failure
ALARM ABORT	An Open After Alarm-Abort has occurred for area ?
ALARM Active	An Intruder alarm signal has been activated for area ?
Anti-Code Reset	A reset has been performed using the Anti-code reset procedure
AREA Armed	Area ? has been armed
AREA Disarmed	Area ? has been disarmed
ARMED WITH L/F	The system has been armed with a Line Fault condition present
ARMING FAILED	A Exit Error-Arm Fail has occurred on area ?
ARMING SUITE #	Area Arm Suite # was used to arm the system
ATS FAILED	The *Comunicator* has failed to report to the Alarm Receiving Centre
ATS FLT Alarm	There is a problem with the telephone line
AUTO TEST CALL	An Automatic test call has been initiated
AUX #,# Tamper	An Auxiliary Tamper input from device #,# has been activated
AV CLEARED by ##	The Audio Verification unit has been cleared down by user ##
BELL #,# Tamper	A Bell Tamper input from device #,# has been activated
BELL Active	The Bell output has been activated for area ?
BELL FUSE Alarm	The control panel Bell Fuse has failed
BOX LID Tamper	The control panel lid has been removed causing a Tamper alarm
CODE #,# Tamper	Too many invalid key presses have caused a tamper alarm from keypad #,#
Com??? Line Fault	The *Com300*, *2400* or *ISDN* has detected a line fault
COM PORT Alarm	A com port has generated an alarm
CONFIRMED ALARM	Two or more detectors have activated, resulting in a confirmed alarm condition
CORRUPT EVENT	No event has been stored in memory
CROSS ### Alarm	A Verified Cross Zone (Beam Pair) Alarm has occurred from zone ###
DATA CHANGED	Programming data has been changed
DATE CHANGED	The control panel Time has been changed
DEFAULTS LOADED	The factory default values have been loaded into memory
DEFERRED	The arming mode was deferred for area ?
DOOR #,#	Door #,# has been opened by a user with Door Control
DOWNLOAD START	An Upload/Download has been initiated
DOWNLOAD END	The Upload/Download has finished
DURESS	User ## has entered a Duress Code at a keypad
Engineer Reset	A reset has been performed using an Engineers code
ENTRY Area ##	The Entry mode has been started for area ?
EXIT Area ##	The Exit mode has been started for area ?
EXP #,# Reset	A reset has been performed using the input on expander #,# (programmed as reset)
EXP #,# Line Fault	The Input on expander #,# (programmed as line fault) has been activated
EXP #,# LOST	Expander ## has been lost from the network
EXP #,# Tamper	The cover of expander #,# has been removed
F_PA ##	A Panic Alarm from a Radio FOB has been generated
Fault Override	The system has been armed with a Fault condition present by a user
FIRE ### Active	Zone ### (programmed as Fire Alarm) has caused an alarm
FIRE ### Tamper	Zone ### (programmed as Fire Alarm) has caused an Tamper alarm
FIRST KNOCK ###	Zone ### (which is programmed as double knock) has activated for the first time
FUSE #,# Alarm	The Auxiliary 12V Fuse in device #,# has failed
GSM MODULE LOST	The GSM Module has lost communications with the control panel
iD Loop# Tamper	There is a short circuit on iD loop # on the iD expander
Key switch Reset	A reset has been performed using a key switch
KSW ### Disarmed	A Keyswitch zone type has been activated (zone number ###)
LOG ALERT	80% of the Event Log has filled (since the last Upload/Download)
LOG CLEARED	The event log has been erased
LOW BAT Alarm	The control panel has registered a low battery condition
LOW V #,# Alarm	Expander #,# has detected that's its supply voltage is low

Log Event	Description
MANUAL TEST CALL	A Manual test call has been initiated
MIC ## TESTED	Microphone ## on the Audio Verification Module has been tested
No RF Signal ###	The Wireless receiver has detected a signal loss from zone ###
Panel Line Fault	The control panel line fault input has been activated
PART Armed	Area ? has been Part Armed
PART 1 Armed	Part Arm 1 has been selected
PART 2 Armed	Part Arm 2 has been selected
PART 3 Armed	Part Arm 3 has been selected
POWERED UP	System Power Up (without doing a factory restart)
PROG. END	The Engineer has logged out of the Programming menu
PROG. START	An Engineer code has been entered
PSUac ## Alarm	An expander input programmed as PSU Monitor control panel has detected an AC Mains failure
PSUbat## Alarm	An expander input programmed as PSU Monitor control panel has detected a Battery fault
PSUvol## Alarm	An expander input programmed as PSU Monitor control panel has detected a 12V Output failure
PSUTam## Alarm	An expander input programmed as PSU Monitor control panel has detected a Tamper condition
QUICK Armed	Quick Arm from keypad #,#
R/Bat ## Alarm	The Wireless receiver has detected a low battery signal from device ##
Radio Jammed	The Wireless receiver has detected an attempt to jam its radio signal
RADIO PAD LOST	The Radio-Pad has no signal or has lost communications with the control panel
REARM LOCK ###	Zone ### has locked out after reaching its re-arm limit (after causing an alarm)
RECENT Armed	Area ? has been armed recently
Redcare Line Fault	The Redcare has detected a line fault
REMOTE Armed	Area ? was armed using the *Wintex UDL* software
REMOTE Disarmed	Area ? was disarmed using the *Wintex UDL* software
Remote PC Reset	A reset has been performed by the remote download PC
Remote Reset	A reset has been performed using the 'Remote Reset' input
Redcare Reset	A reset has been performed by the Redcare
RKP #,# MEDICAL	A Medical alarm (7 & 9) has occurred from keypad number #,#
RKP #.# FIRE	A Fire alarm (4 & 6) has occurred from keypad number #,#
RKP #,# AUD PA	An Audible PA alarm (1 & 3) has occurred from keypad number #,#
RKP #,# SIL PA	A Silent PA alarm (1 & 3) has occurred from keypad number #,#
RKP #,# Tamper	The cover of keypad #,# has been removed
RKP #,# LOST	Keypad ## has been lost from the network
RKP LOCKED #,#	Keypad #,# has been locked out from too many invalid key presses
TAG ##	User ## has presented their Prox TAG
TESTED ###	Zone ### has been tested
TEST FAIL ###)	Zone ### has failed its Soak test
TIME Armed	Area ? was armed automatically using one of the control timers
TIME CHANGED	The control panel Date has been changed
TIME Disarmed	Area ? was disarmed automatically using one of the control timers
TUBE ### Alarm	Zone ### (programmed as Tube Key) has caused an alarm
USER ##	User ## has entered their code
USER CODE CHANGED	A User code has been altered or added
USER CODE DELETED	A User code has been deleted
User Reset	A reset has been performed using a User code
WALK Tst start	The Walk Test mode has been initiated
Zone ### Alarm	Zone ### has been activated
Zone ### Tamper	Zone ### has caused a Tamper alarm
Zone ### Restore	Zone ### has restored to its normal condition
Zone ### Omitted	Zone ### has been omitted
Zone ### Un-Omit	Zone ### has been reinstated
Zone ### Test Start	Zone ### has been put on test
Zone ### Test End	Zone ### has been removed from test

Do Bell Test



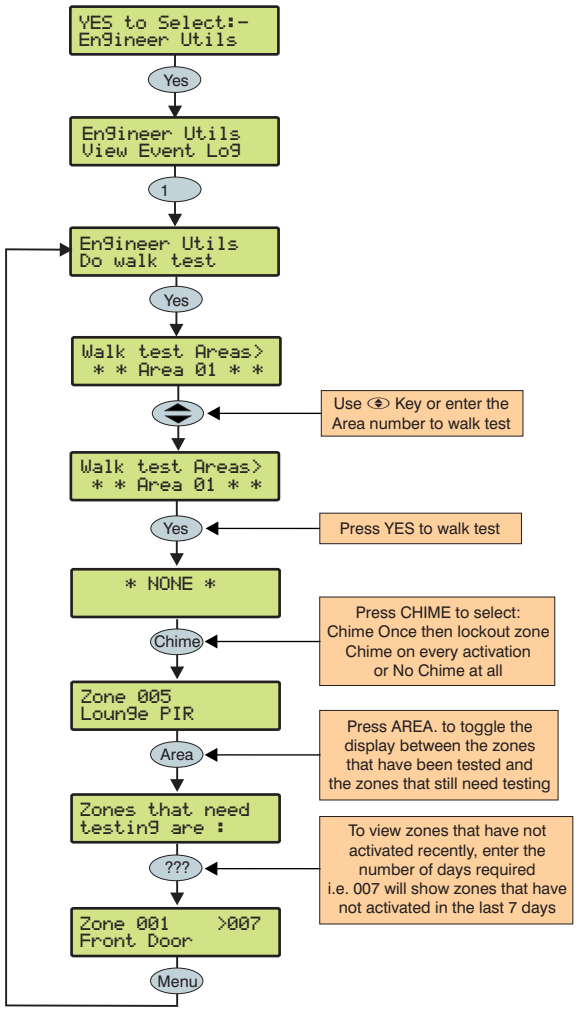
This option allows Allows the Bell, Speaker and various control panel outputs to be tested.

The following outputs can be individually tested:

Test Bell	The Bell output
Test Strobe	The Strobe output
Test Speaker	The Speaker output
Test Digi	The Hardwired digicom outputs
Test Panel	The panel outputs
Test RedCARE	The plug on RedCARE outputs
Test Com????	The plug on digi outputs
LCD Display	The LCD keypad display
User Outputs	Any outputs that have the 'User Test' attribute (see page 66 for details).

NOTE Pressing OMIT at the Bell or Strobe Test will cause the Strobe output to pulse 3 times, invoking Engineers Hold Off mode if a Texecom bell box is connected.

Do Walk Test



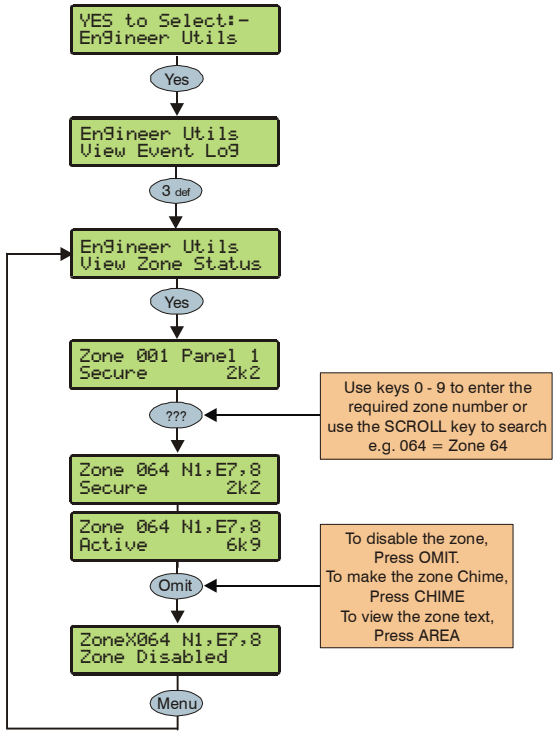
Any of the zones on the system can be walk tested to ensure that they operate correctly. A walk test can only be performed when the system or area is disarmed.

NOTE Once a zone has been activated it will not generate a chime tone again. If however the Chime key is pressed, a zone will chime every time it is activated.

The Walk test menu also includes a last activation log that can be recalled when doing a walk test. This log shows zones that have NOT been activated over a period of days.

Pressing the Area key will firstly show the zones that still need testing, pressing the Area key a second time will display the zones that have not been activated that day, to view zones that have not been activated for 3 days, type in 003 the maximum number of days that can be recalled is 255, pressing the Area key a third time will revert back to the standard walk test display.

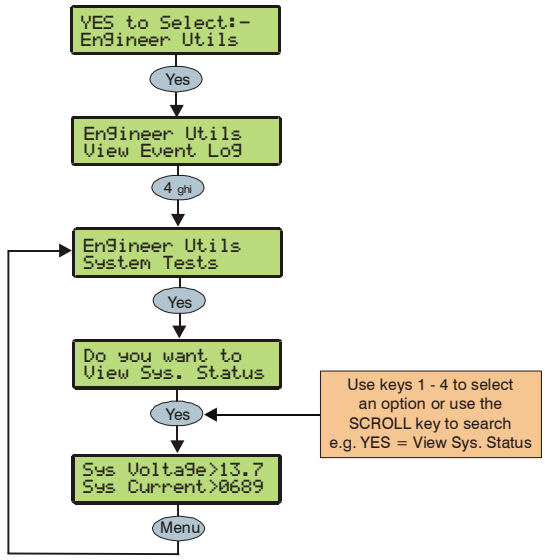
View Zone Status



This option can be used to view the status of any zone on the system to see whether it is 'Active', 'Secure', 'Tampered' or 'Shorted'. The selected zone can also be temporarily disabled (zone and tamper) to allow the zone to be worked on or made to chime every time it is activated.

NOTE When leaving the View Zone Status menu, all zones will be automatically reinstated and cleared of Chime.

Do System Tests



This option allows various control panel features to be tested or reviewed.

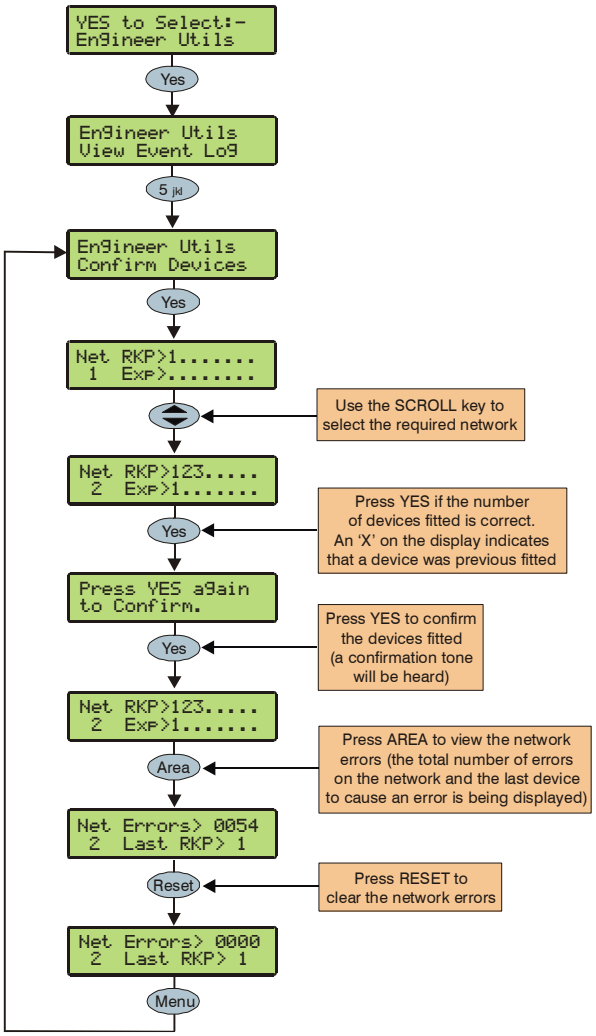
1 - View Sys. Status
Allows the system voltage and current to be viewed.

2 - View Batt Status
Allows the battery voltage and charging status to be viewed.

3 - Test Outputs
Allows the Bell, Speaker and system outputs to be tested.

4 - View Version No.
This option allows the control panel software version and serial number to be viewed.

Confirm Devices

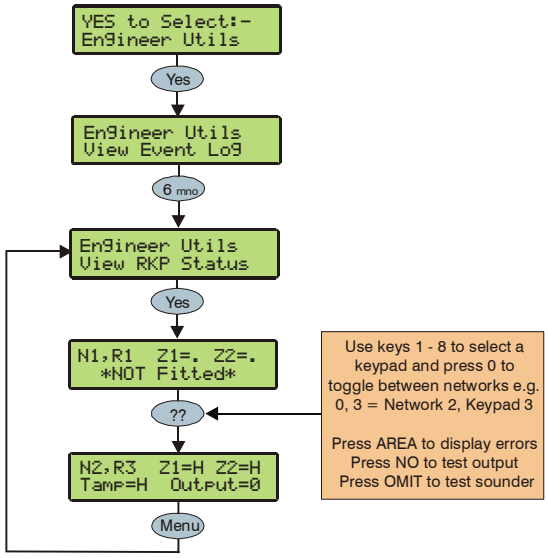


This option allows the networks to be viewed to see what devices are connected and whether there are any problems. Whenever new devices are added to the system, the networks must be checked and confirmed.

NOTE If any devices are removed from the system, the networks must be rechecked and reconfirmed.

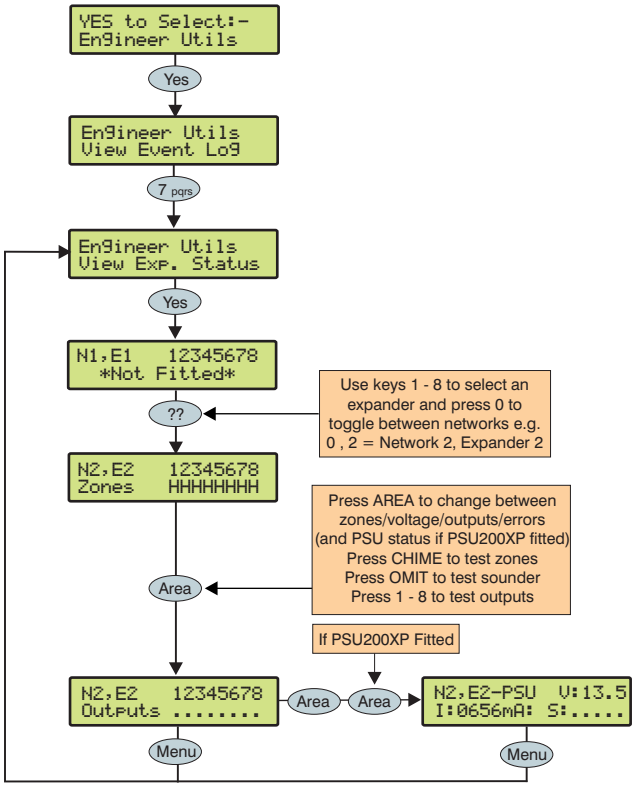
An 'X' on the display indicates that device that was previous fitted is no longer being seen by the control panel.

View RKP Status



This option allows the status of the keypad, the zones and the output to be viewed.

View Exp. Status

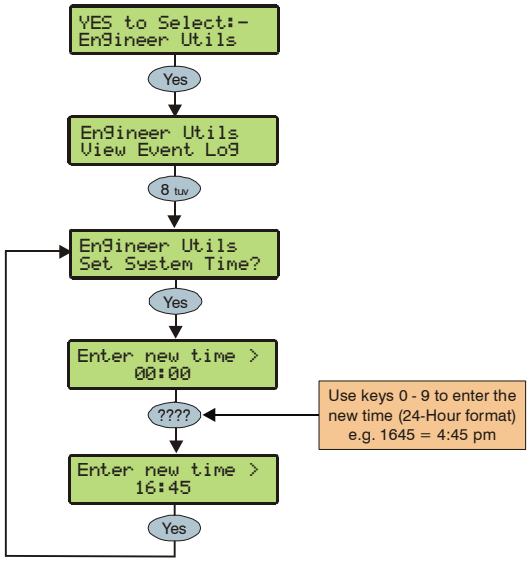


This option allows the status of the expander, the zones, voltage/inputs and outputs and any monitored power supply to be viewed.

NOTE The PSU status shows the following codes:.

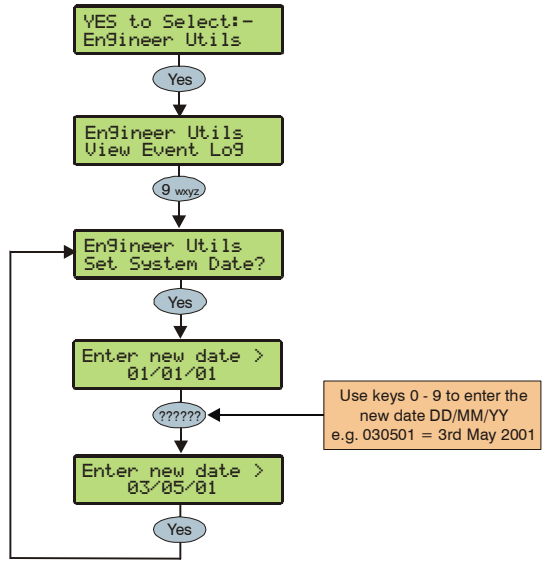
A: AC Mains Fail
1: Battery 1 Fault
2: Battery 2 Fault
F: Mains Fuse Blown
T: PSU Box Tamper

Set System Time



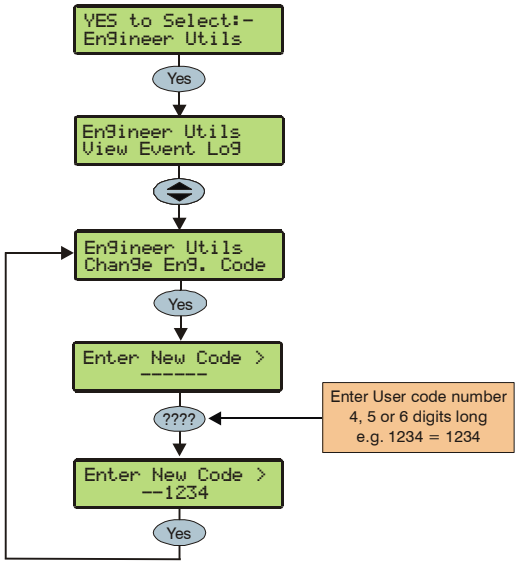
The control panel has a real time clock that is used to date and time stamp events that are recorded within the system log. The option allows you to set the control panel time.

Set System Date



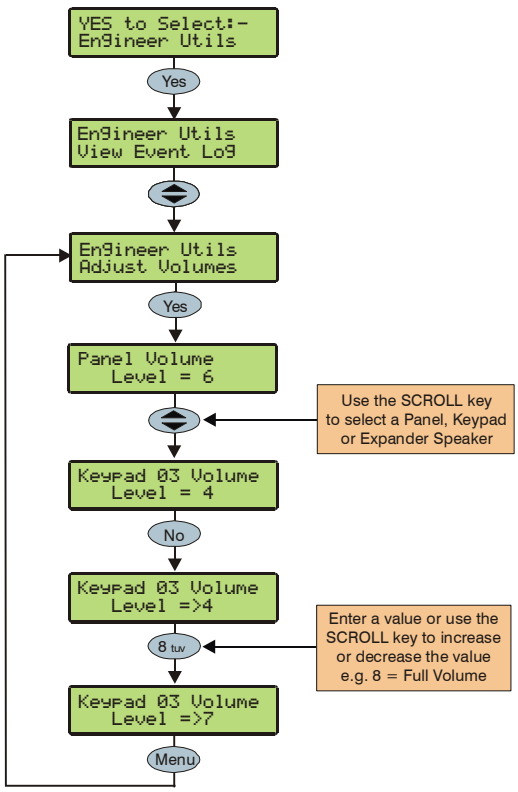
The control panel has a real time clock that is used to date and time stamp events that are recorded within the system log. The option allows you to set the control panel date.

Change Eng. Code



This option allows the Engineer code (User 00) to be changed. This code can be 4, 5 or 6 digits in length. The system will allow a mixture of different length User codes.

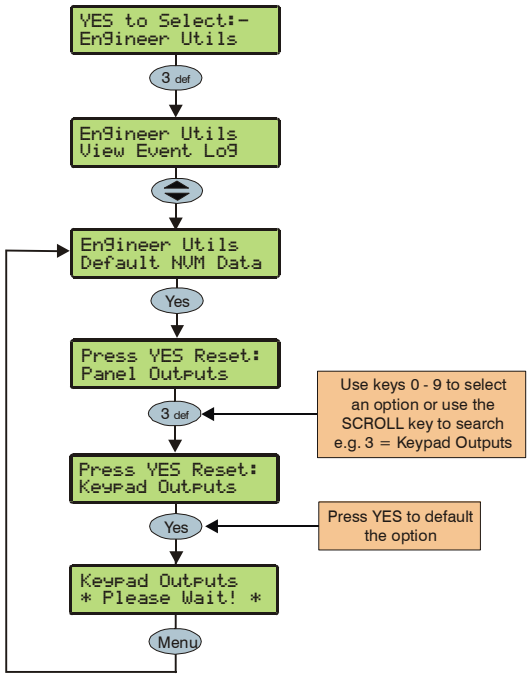
Adjust Volumes



This option is used to adjust the volume level of speakers that are connected to the control panel, keypads and expanders.

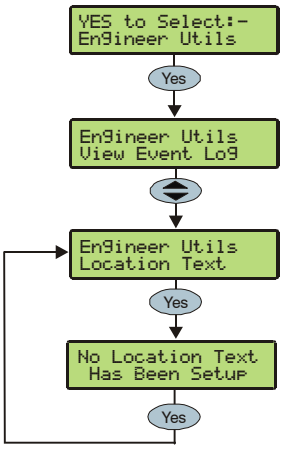
NOTE Pressing the **CHIME** key will cause the speaker that is being programmed to generate the exit tone at the selected volume level.

Default NVM Data



This option allows various parts of the NVM to be defaulted without having to 'Factory Default' the system.

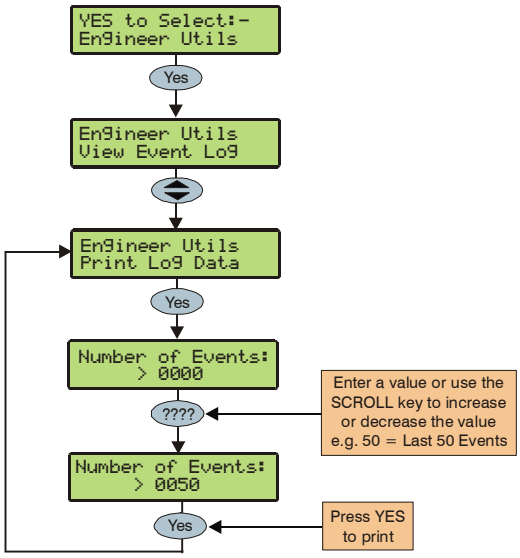
Location Text



This option allows the 'Panel Location' text that has been programmed in 'System Text' to be displayed (see page 53 for programming details).

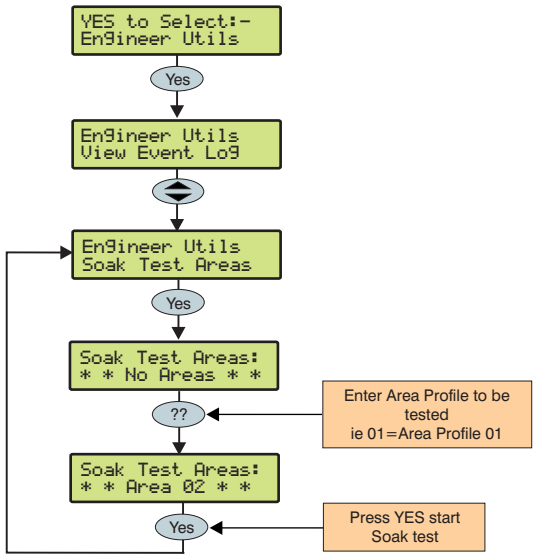
NOTE The display will automatically clear after 5 seconds.

Print Log Data



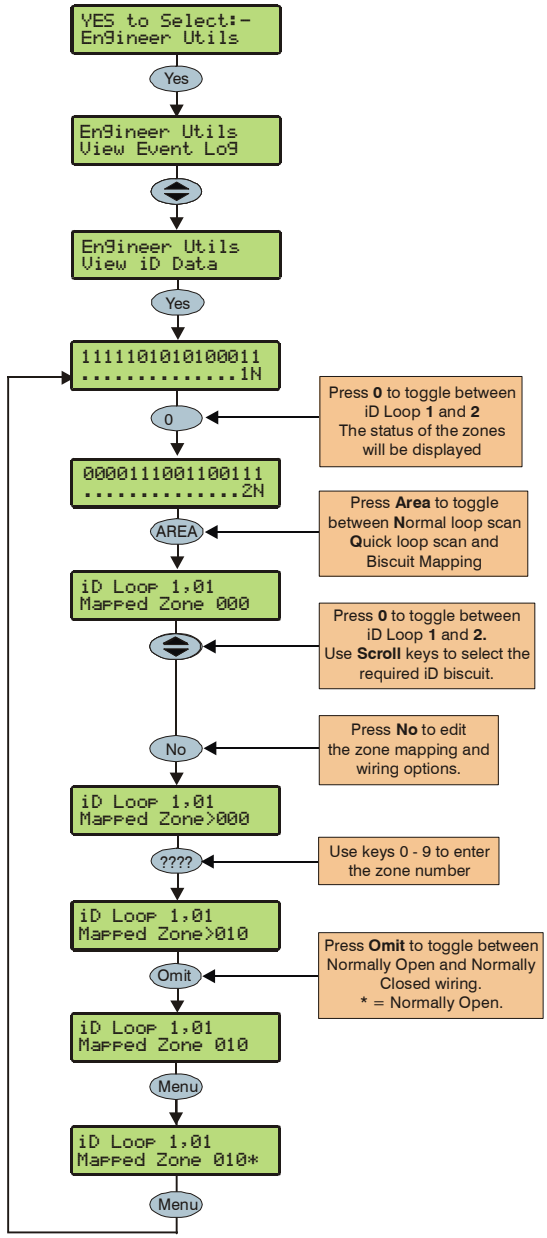
This option allows the 'Event Log' to be printed to a standard RS232 printer (see page 27 for details).

Soak Test Areas



This option allows zones with the 'Soak Test' attribute to be tested by starting the 'Zone Soak Test' timer.

View iD Data



Viewing the iD Data

This option allows the *60IXD* expander the iD biscuit data to be viewed to diagnostic purposes. There are two way of viewing the data from the expander:

Normal Scan Mode

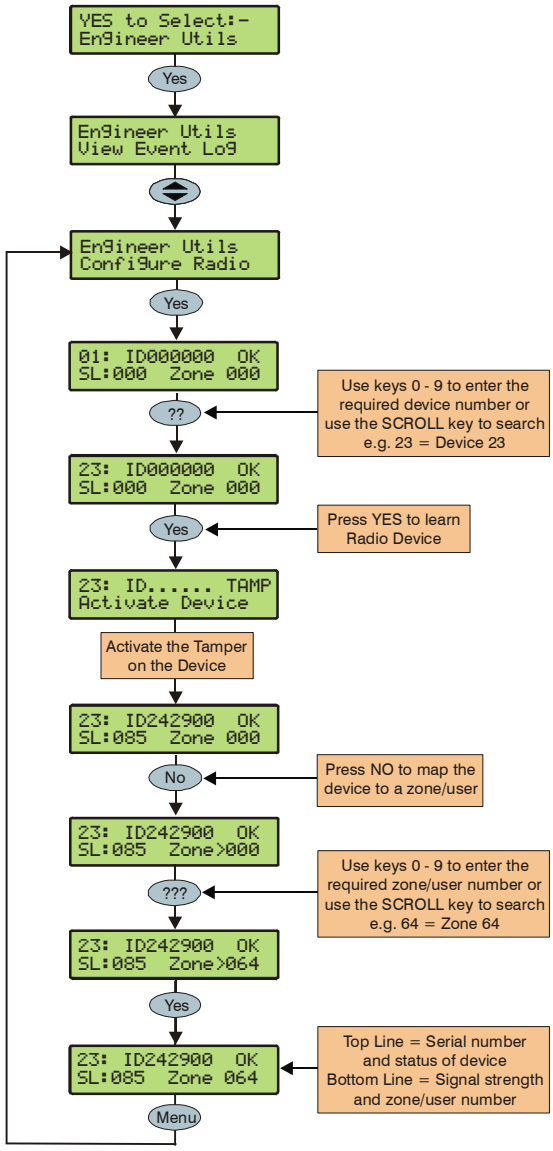
This is the normal operation mode of the expander and the data being displayed is the average result of 4 successive scans of the iD loop.

Quick Scan Mode

In this mode the data being displayed is the result of each scan of the iD loop. This mode is useful for identifying problems with biscuits due to interference, high resistance connections etc.

"iD" is a registered trade mark of Chloride Safety System Limited.

Configure Radio



Configuring Radio devices

Up to 100 wireless devices can be leant on to the system this can be any combination of detectors, mag contacts and remote FOBs.

Wireless devices can then be mapped on to the system along with conventional detectors.

The top line on the display shows the serial number of the device and also the status i.e. Active, Tamper etc.

The bottom line of the display shows the signal strength and also which zone/user the device is mapped to.

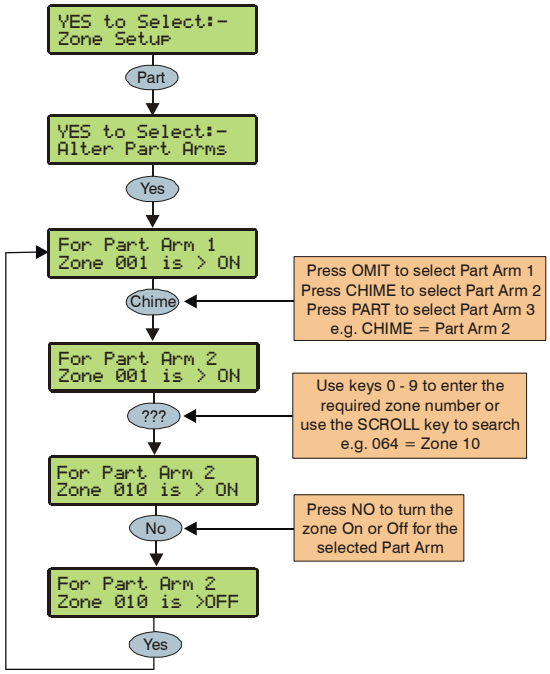
NOTE Signal strength should be greater than 30.

The signal range is between 0 and 90.

See Radio-Plus installation manual for full details.

5.10 Programming Part Arms

Alter Part Arms



Each area on the system can have up to 3 Part Arms.

When Part Arm 1, 2 or 3 is selected, pre-programmed zones are omitted to allow access to certain parts of the building.

6. Specifications

Control Panel

Power supply

Mains Supply Voltage:	230VAC (±10%)
Maximum Total Current Rating	
16.5VAC, 40VA transformer:	2.0ADC
Ripple	<5%
Power Supply	2A
Battery Charging Current	750mA
Maximum Available Current	1.25A
PD6662 Rated Output	See Page 12
Standby Battery Capacity	7Ah to 18Ah
Recharge Time	<24Hrs
Low Battery Fault	10.5V
Deep Discharge Protection	9.5V

Electrical

Current Consumption 640	
Quiescent	160mA
Alarm (Nothing Connected)	160mA
Fuses	
Mains (2.0ADC)	500mA, 250V, 20mm
Battery	1.6 Amp, 250V, 20mm
Auxiliary	1 Amp, 250V, 20mm
Bell	1 Amp, 250V, 20mm
Networks 1 to 8 (640)	900mA, 250V PTC
Data Network	4-wire standard 7/0.2 alarm cable up to 500m Star, Daisy Chain or any combination of the two
Remote Keypads	Up to 64
Expanders	Up to 64
Output Modules	Up to 32
Zones	0 expandable to 640
Default EOL Resistor Values	(Alternatives available)
EOL Resistor	2k2 (3k3)
Contact Resistor	4k7 (3k3)
Fault Resistor	2k2
0 - 1k	Zone Short
1k1 to 4k	Zone Secure
4k1 to 5k6	Zone Fault
5k7 to 8k	Zone Active
8k1 to 20k (30k)	Zone Mask
21k+ (31k+)	Zone Tamper

Digicom Outputs	
Outputs 1 to 8	100mA switched to 0V
Panel Outputs	
Outputs 1 & 2	500mA switched to 0V
Outputs 3 & 4	500mA switched to 12V
Output 5	3 Amp Relay
Siren Outputs	
Bell Trigger	1A switched to 0V
Strobe Trigger	1A switched to 0V
Speaker Output	Minimum load 8Ω

Environmental

Operating Temperature	-10°C (+14°F) to +55°C (+131°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential Commercial Light Industrial Industrial

Physical

Housing	Metal
Dimensions (W x H x D)	305mm x 405mm x 100mm x 2mm Steel
Battery Compartment	Up to two 12V 7.0Ah batteries or one 12V 18Ah battery
Packed Weight	5.5 Kg

Remote Keypads

Electrical

Operating Voltage	10 - 13.7VDC
Current Consumption without Prox	25mA
Quiescent (Not Backlit)	45mA
Alarm (Not Backlit)	100mA
Fully Backlit	145mA
Alarm + Fully Backlit	
Current Consumption with Prox	
Quiescent (Not Backlit)	85mA
Alarm (Not Backlit)	105mA
Fully Backlit	185mA
Alarm + Fully Backlit	205mA
Data Network	4-wire standard 7/0.2 alarm cable up to 500m Star, Daisy Chain or any combination of the two
Keypad Type	
Premier LCD	32 Character LCD
Premier LCDL	32 Character large LCD
Premier LCDP	LCD + Prox Reader
Premier LCDLP	LCDL + Prox Reader
Zones	2
Default EOL Resistor Values	(Alternatives available)
EOL Resistor	2k2 (3k3)
Contact Resistor	4k7 (3k3)
Fault Resistor	2k2
0 - 1k	Zone Short
1k1 to 4k	Zone Secure
4k1 to 5k6	Zone Fault
5k7 to 8k	Zone Active
8k1 to 20k (30k)	Zone Mask
21k+ (31k+)	Zone Tamper
Output	100mA switched to 0V
Back Lighting	Fully adjustable
Speaker Output (*LCDL*/*LCDLP*)	Minimum load 8Ω
Speaker Volume (*LCDL*/*LCDLP*)	Fully adjustable
Proximity Reader (*LCDP*/*LCDLP*)	Tag

Environmental

Operating Temperature	-10°C (+14°F) to +55°C (+131°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential Commercial Light Industrial Industrial

Physical

Dimensions (W x H x D)	145mm x 115mm x 30mm
Packed Weight	260g Approx.

Zone Expanders

Electrical

Operating Voltage	9 - 13.7VDC
Current Consumption 4XP 8XP	
Quiescent	65mA
Alarm (Nothing Connected)	65mA
Data Network	4-wire standard 7/0.2 alarm cable up to 500m Star, Daisy Chain or any combination of the two
Zones	
Premier 4XP	4 DP or EOL zones
Premier 8XP	8 DP or EOL zones
Premier 60IXD	60 iD zones (2 loops)
Default EOL Resistor Values	(Alternatives available)
EOL Resistor	2k2 (3k3)
Contact Resistor	4k7 (3k3)
Fault Resistor	2k2
0 - 1k	Zone Short
1k1 to 4k	Zone Secure
4k1 to 5k6	Zone Fault
5k7 to 8k	Zone Active
8k1 to 20k (30k)	Zone Mask
21k+ (31k+)	Zone Tamper
Outputs	
Outputs 1 & 2 (*4XP*)	100mA switched to 0V
Outputs 1 - 8 (*8XP*)	100mA switched to 0V
Speaker Output (*4XP* & *8XP*)	Minimum load 8Ω

Environmental

Operating Temperature	-10°C (+14°F) to +55°C (+131°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential Commercial Light Industrial Industrial

Physical

Dimensions (W x H x D)	170mm x 140mm x 35mm
Packed Weight	200g Approx.

Output Expanders

Electrical

Operating Voltage	9 - 13.7VDC
Current Consumption	
Quiescent	65mA
Alarm (Nothing Connected)	65mA
Network	4-wire standard 7/0.2 alarm cable up to 250m Star, Daisy Chain or any combination of the two
Bank 1 Outputs	
Outputs 1 to 8	100mA switched to 0V
Bank 2 Outputs	
Outputs 1 to 8	100mA switched to 0V

Environmental

Operating Temperature	-10°C (+14°F) to +55°C (+131°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential Commercial Light Industrial Industrial

Physical

Dimensions (W x H x D)	170mm x 140mm x 35mm
Packed Weight	200g Approx.

Standards

Conforms to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC.

The CE mark indicates that this product complies with the European requirements for safety, health, environmental and customer protection.

This equipment is designed to enable an intruder alarm system in which it is installed to comply with the requirements of security grades 1, 2 or 3 of EN 50131-1 and EN 50131-6 and is suitable for installation in any indoor environment.

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.

Premier Keypads and Expanders are protected by UK & International Registered Design. Registered Design Numbers: 2089016 and 3004996.

Premier is a trademark of Texecom.

EN50131 Markings

All equipment is marked with the following information:

1) Name of manufacturer or supplier

This can be found on the PCB as part of the silk screen.

2) Description of the equipment

This can be found on the Barcode Label as either a full description or as a code number.

Barcode Acronym

PSF Premier 640

3) Standard to which component claims compliance

This can be found on a small white label along with the security grade and environmental class.

4) Security Grade

This can be found on a small white label along with the standard compliance and environmental class.

5) Environmental Class

This can be found on a small white label along with the standard compliance and security grade

Declaration of Conformity

(D0247-99 Rev03)

This declaration is valid for the following product:

Device Type: Intruder Alarm Control Panel
Product Name: Premier 640.

This is to confirm that this product meets all essential protection requirements relating to:

EMC Directive: 2004/108/EC

LVD Directive: 2006/95/EC

The assessment of this product has been based on the following standards:

EN 55022 1998	Emission Standard for Information Technology Equipment.
EN 50024 1998	Immunity Standard for Information Technology Equipment.
EN 50130-4 :1995+A1 :1998+A2 :2003	Immunity Standard for Fire Intruder and Social Alarm Systems.
EN 50131-1, TS 50131-3	Security Grade 3, Environmental Class II
PD6662: 2004 EN 60950: 2001	Information Technology Equipment Essential Requirements for Safety.

On behalf of the manufacturer:

Texecom Ltd.
Texecom House
559 Wilbraham Road
Manchester
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This declaration is submitted by:

R J Austen
Managing Director

17th February 2003

Texecom

Texecom

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(Calls charged at 3.36 pence per minute from a BT landline. Calls from other networks may vary.)

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