Guardall

PX Control Panel

User Manual

Issue A

Contents

Introduction

The PX Electronic Intruder Alarm System is designed to provide secure protection for the installation. The system is highly versatile, permitting individual systems to be installed and programmed to meet the particular security requirements of each installation.

The system comprises a main control panel, normally located out of sight in a secure area, and at least one keypad.

The panel has a wide range of features, which are programmed by the engineer on installation, to suit the security requirements of the particular installation. Some of the features may be reprogrammed, edited, or viewed as required by an authorised user.

System Log

The system incorporates an event log capable of recording the most recent 250 events occurring throughout the system. The event log will record all events, for example, user log-on times and user numbers, keypad numbers, setting and unsetting times, alterations made to programmed settings, fault conditions, etc. When the event log is full, the oldest event will be automatically removed when the next event occurs.

An alarm log is also provided for each configured area of the system, each with the capacity to record up to 5 alarm events. The alarm log will only record the sequence of events relating to alarm or abnormal conditions occurring in the log area. Any events in an area log will automatically be cleared when the area is reset or set, providing circuits are clear.

All log events are date and time stamped and may be viewed, or printed if a printer is fitted to the system.

Areas & Set Groups

For protection purposes, the premises may be divided into a number of areas. Individual areas may be grouped together into a setting group which provides the user with a convenient way of setting and unsetting more than one area at the same time.

The installation company engineer will have configured your system for the appropriate number of areas and groups to comply with your specific security requirements.

Where more than one area is incorporated in the system, an area(s) can be configured by the installation engineer as a common area. A common area will automatically set if all other areas of the system are set and will automatically unset if any one of the other areas is unset.

Circuits

Each detector or sensor in the installation is allocated a unique circuit number. The installation engineer will have programmed each circuit to respond in a certain way when the circuit is activated, when the area is set and unset. The way in which the circuit is programmed to respond will depend on the type of circuit and its location and purpose.

If a circuit is faulty, the alarm response may be turned off by an authorised user. This process is referred to as bypassing.

User, Set group and Circuit Identification

Each user, set group, and circuit can be programmed with a text description of up to 14 characters. An authorised user can change a user text descriptor.

User Codes

Each user of the system is identified by a unique code. This code can be a PIN code, an electronic key or proximity token. By default all user codes are PIN codes. An electronic key can only be used on a keypad variant with an electronic key interface. A proximity token can only be used on a keypad variant with a proximity interface.

Throughout this manual user codes are only referred to as PIN codes.

Operator Controls and Displays

System Keypads

The operator keypad unit incorporates a backlit liquid crystal display (LCD) comprising 2 lines of 16 characters, and a backlit keypad to gain access to the system and to perform all authorised user functions. Keypads may be fitted with an electronic key socket or an internal proximity reader. The keypad incorporates a mains power indicator. This indicator will flash if the system is operating on standby battery power.

Electronic Keys

A user PIN code can be replaced by an electronic key. To use the facility at least one keypad in the system must have the optional electronic key interface fitted.

All Guardall electronic keys are manufactured with a unique code and duplicate keys cannot be obtained. Spare or replacement keys can be obtained from the installation company.

Proximity Tokens

A user PIN code can be replaced by a proximity token if the keypad is fitted with the optional proximity reader. There are 2 types of token available; a card or key fob.

All Guardall proximity tokens are manufactured with a unique code and duplicate tokens cannot be obtained. Spare or replacement tokens can be obtained from the installation company.

Keyswitch

As an alternative method of setting and unsetting, a simple On/Off keyswitch may be fitted to the system.

Using the System

When no user is logged on to a keypad, the time, date and company will normally be displayed.

12:00 Mon 27 Sep **Guardall**	*The LCD keypad will normally display the time, date and company name.*

If programmed by the installation engineer the user can choose to show the system set areas. To display the set areas press the or button.

Set : 14 **Guardall**	*In the example shown areas 1 and 4 are set.*

Logging on

A user logs on to the system by either:

1. Entering a PIN code followed by ✔
2. Inserting an electronic key
3. Presenting a proximity token

The system will check that the entered user code is valid before permitting access to the system user functions.

12:00 Mon 27 Sep **Enter- ******	When a PIN code is entered the display will show an asterisk for each digit.

Menu Format

User Menu

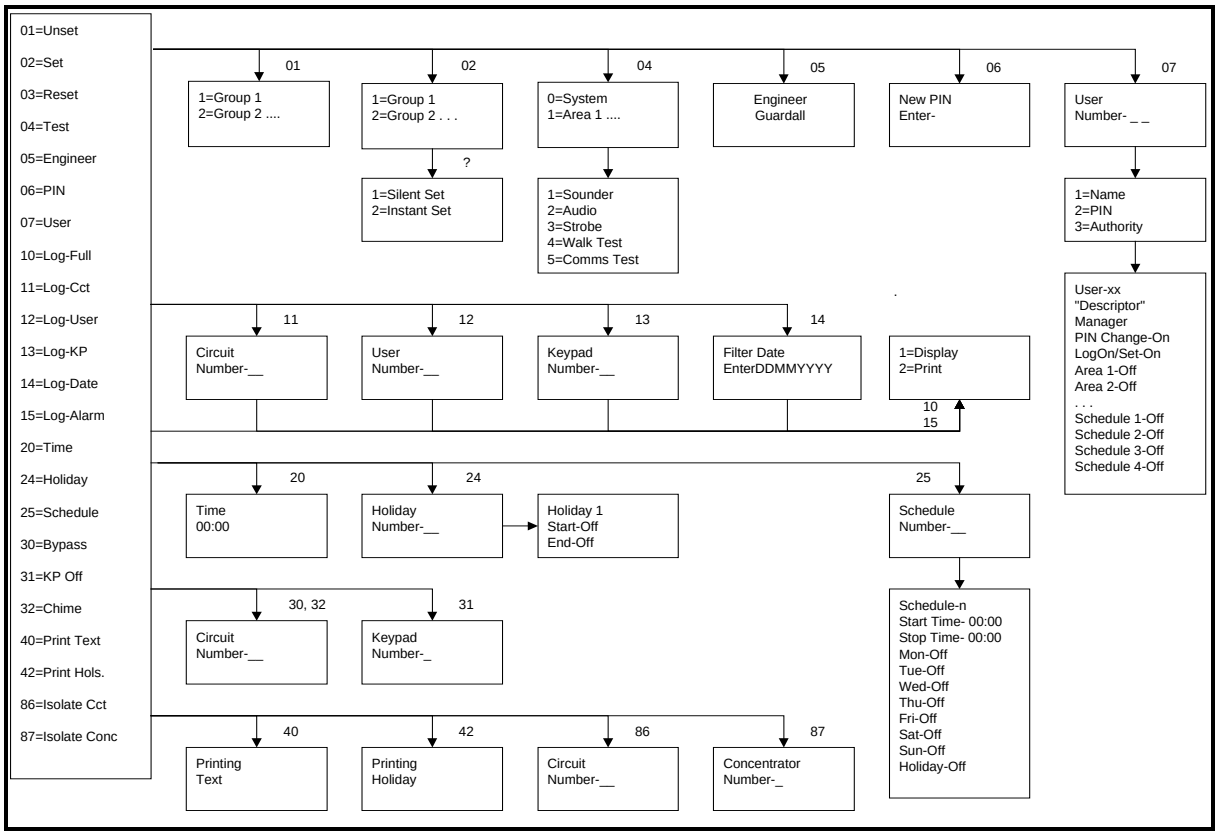
01=Unset
02=Set
03=Reset
04=Test
05=Engineer
06=PIN
07=User
10=Log-Full
11=Log-Cct
12=Log-User
13=Log-KP
14=Log-Date
15=Log-Alarm
20=Time
24=Holiday
25=Schedule
30=Bypass
31=KP Off
32=Chime
40=Print Text
42=Print Hols.
86=Isolate Cct
87=Isolate Conc

The user menu shown has all possible options available. The actual options available to a user will depend on the user authority, the system configuration and the current system status.

Only 2 options will be visible on the display but all available options can be selected by entering the 2-digit code without viewing the actual option number.

Menu Layout

The menu map shows all possible menu options and, where appropriate, sub menus.



Invalid User Codes

12:00 Mon 27 Sep Incorrect PIN	*If an incorrect user code is entered, the incorrect PIN message will be displayed for 4 seconds or until another key is pressed.*

If more than the programmed number of PIN attempts are made to enter a valid user code, the keypad will be locked out and the display will show **Out of Service** for a period of 5 minutes.

12:00 Mon 27 Sep Out Of Service	*Any attempt to enter a user code during the locked out period will extend the period by another 5 minutes*

User Access Time

When a user logs on to the system a selection must be made from the user menu within **two minutes** of log on, otherwise they will be automatically logged off.

Engineer On Site

Engineer Out Of Service	*When an engineer logs on to a keypad, all other keypads in the system will be inoperable and the display will show Out of Service.*

Menu Restrictions

If a menu number is entered and the option is not available, then a reason will be displayed. For example if no area is set and you select unset the panel will prompt with the reason the unset option is not available.

Not Available **No Set Area**	*This indicates that there is no set area available to the user.*

There are many reasons why an option is not available. If you think an option should be available but the prompt is not on display then enter the menu number and the panel will display an appropriate message. The following table shows the reasons why a menu option is not available:

Not Available Message	Where Used
No Authority	User tries to select an option that is not allowed with their programmed authority level.
No Set Area	User selects unset when all areas that can be unset from the keypad are already unset.
Timer Control On	User attempts to log on outwith the schedule times.
No Unset Area	User selects set when all areas that can be set from the keypad are already set.
Set Area	User attempts to access test when an area is set.
Test in Progress	User attempts to set an area that is being tested (on another keypad).
System Not Unset	User attempts to access an option that is only available when the system is unset, for example the event log.
Unset Area	User attempts to unset an unset area.
Key Not Used	The key (button) which has been pressed is never used in the current menu.
Printer Busy	User attempts to print and the printer is in use.
Not Programmed	The option selected is not programmed.
Keypad Busy	User attempts to turn off a keypad that is being used.
Not Applicable	User attempts, for example, to reset when there are no alarms logged.
Option in Use	User selects an option, such as test, which is in being used by another user.
At Bypass Limit	User attempts to bypass a circuit when the number of bypassed circuits is at the programmed bypass limit.
Call Engineer	User attempts to set when an engineer reset is required.

Logging Off

02=Set **05=Eng**	*Press ✗ to log off from the main menu*.
✔=Confirm LogOff	*Press ✔ to confirm log off.*

Help

The system will display context sensitive help for menu and programming options. When the main menu is on display press the help button (**?**) to display information about the system.

02=Set **05=Eng**	*The normal log on menu*

Press the **?** button to display the customer contract number.

Contract ***123456***	*The customer contract number is a 6-digit number programmed by the installation engineer.*

Press the **?** button again to display the panel variant and version numbers:

W73797 v1.00	*The panel order code and firmware version number*

Press the **?** button again to display the modem type and version number (if fitted):

S.Dial v4.0x	*The SmartDial version number*

Press the quit button (✗) to return to the normal menu.

Keypad Backlight

The LCD keypad incorporates backlighting. The backlighting will be turned on during the entry time, during PIN entry and while a user is logged on. It may also be turned on using any button except ✔ and ✗ and turned off using the ✔ or ✗ buttons.

Log On Messages

When a user logs on, the system may display a special message(s) before the normal menu is displayed. The special messages include:

Message	Reason
Alarm Abort	User logs on within the alarm abort period (programmable option)
Setting Stopped	User logs on during the setting exit period
Group Unset	A group(s) is set and is programmed to automatically unset when a user logs on.
Cannot Set	The system cannot set, the reason(s) will then be displayed.
Unset Alarm	An unset alarm has occurred, the details will then be displayed.
Mult.Alarm	A circuit(s) has alarmed the maximum number of times allowed (programmable). The circuit details will then be displayed.
PIN Code Known	Another user has chosen your PIN code. You will then be given the option of immediately changing your PIN code. This message will always be displayed on log on until the PIN code is changed.
Call Engineer	You should call the installation company. The details will then be displayed.
Reset OK	A managed reset code has been accepted
Set ✔=Confirm	The user is configured for the log on set option. If confirmed the system will start setting (if only one group is authorised) or display the set group menu.
Soak Cct Fails	Circuits which have been put on special test by the installation engineer have alarmed.

Dual User Code Operation

Where a higher level of security is required a keypad may have been programmed to require two user codes to be entered before logging a user on to the system. Both user codes must be authorised and are logged by the system. The authority of the second user code entered is used by the system.

Unset *Code-01*

The system will have been partitioned by the installation engineer into a number of set groups. The user authority will determine the choice of groups, which can be unset. There are several methods of unsetting available to the user. These methods are discussed in the following section.

Unsetting Methods

If a set group incorporates an entry route in the unsetting procedure then opening a final entry door to the area will start a pre-programmed entry timer. The user must proceed directly to the keypad or keyswitch via a pre-determined entry route and unset the group as described.

If the group is not unset before the entry time has expired a warning period, equivalent to 50% of the programmed entry time, will be allowed. This is to warn the user that an alarm condition will occur if the group is not unset by the end of the warning period. If the group is not unset by the time that the total entry time and warning time has expired, an alarm condition will be initiated.

During the entry time, if a user deviates from the prescribed entry route into an armed area, the entry time is immediately cancelled. If programmed, a fixed pre-warning period of 45 seconds will be given, otherwise an immediate alarm will be given. If the user enters an armed area during the entry warning period, the warning period is cancelled and an immediate alarm will be given.

Unsetting from a keypad

To unset, log on to the keypad. If an authorised group is configured for automatic logon/unset then the unset group descriptor will be displayed.

Workshop **Unset**	*If more than 1 group is configured for logon/unset then only the first descriptor will be displayed.*

If automatic logon/unset is not configured then choose the unset option manually.

01=Unset **05=Eng**	*Press 01 to unset*

If more than 1 authorised group is set then the available options will be displayed.

1=Workshop **2=Office**	*Choose the group to unset.*

The system may be configured for automatic log off after unset.

Unsetting from a keyswitch

To unset an area from a keyswitch, turn the keyswitch to the unset position. The area under the control of the keyswitch will immediately unset.

Automatic Unsetting

The system may have been programmed by the installation engineer to automatically unset all or parts of the system according to a pre-programmed schedule. The schedule will have been programmed to take into account the normal opening time, non-working days and holidays.

Unsetting Warnings

When unsetting from a keypad, the user is informed on the display of any warnings, e.g. circuits isolated or on soak. The warning display will appear for approximately 4 seconds during the unsetting procedure. If more than one warning exists, the display will automatically scroll through the list of warnings

Loading Door Isolated	*An example of an isolated circuit warning after unsetting.*

Unsetting After an Alarm

If an alarm condition has occurred when set, the alarm message will be displayed when the group is unset.

Alarm PIR in Office	*An example of an alarm message after unsetting.*

If more than one alarm has occurred the display will automatically scroll through the list of alarms. After the last alarm is displayed the reset prompt will be displayed.

✔=Reset	*Press ✔ to reset the alarm*

If the system is programmed for engineer or managed reset then a special message will displayed. Refer to the reset section for details.

Set *Code-02*

The system can be partitioned into a number of parts called set groups, each of which can be individually set. The programmed user authority level must allow setting and the programmed user area access will determine which set groups are available to a user.

Setting can be started by:

1. A user request on a keypad
2. A user activating a keyswitch
3. Automatically by a timer schedule
4. Remotely from a PC using the Guardall GuardStation software

Setting modes include:

1. Instant, where setting is completed immediately
2. Timed, where setting is completed at the end of the programmed exit time
3. Exit point, where setting is completed by opening and closing the final exit circuit
4. Push button, where setting is completed by pushing the external PB circuits after opening and closing the final exit circuit

Setting from a keypad

To set log on and select the set option.

02=Set **05=Eng**	*Press 02 to set.*

If more than 1 authorised group is unset then the available groups will be displayed.

1=Workshop **2=Office**	*Choose the group to set.*
Workshop **Setting**	*The setting message will be displayed*
Workshop **Seconds Left-005**	*If timed setting is configured for the group the remaining exit time will be displayed*
Workshop **Set**	*When the groups set the set confirm message will be displayed.*

If the **?** button is pressed while the set group menu is on display the set options will be displayed.

1=Silent Set **2=Quick Set**	*Choose silent set to set with no exit tone.* *Choose quick set to ignore the programmed exit time and set instantly.*

Keyswitch Setting

As an alternative to setting and unsetting from a keypad, your system may be fitted with an optional keyswitch, which permits setting and unsetting of a group by operating a keyswitch. The keyswitch may be configured for any set mode.

Automatic Setting

The system may have been programmed by the installation engineer to automatically set all or parts of the system according to a pre-programmed schedule. The schedule will have been programmed to take into account the normal closing time, non-working days and holidays. The schedule may be configured for any set mode.

Aborting The Setting Procedure

The setting procedure can be aborted at any time during the exit time by pressing ✗ on the keypad that was used to start setting, logging on to any other keypad or turning a keyswitch to the unset position.

Setting Stopped	*If setting is aborted by logging onto a keypad the setting aborted message will be displayed.*

Setting with Warnings

The system will automatically display any conditions which the user should be aware of before setting the system. These conditions are described as set warnings and do not prohibit the user from setting the system in the normal way. The user however may wish to change a condition before setting the area(s) or system, where appropriate.

When a user selects set, and warnings exist, the set warning prompt will be displayed.

Set Warning ✔=Report	*Press the ✔ button to display the setting warning(s).*
Loading Door Isolated	*The display will automatically scroll through the list of warnings*
Workshop ✔=Set	*Press ✔ to proceed with setting or press ✗ to cancel setting*

The set warnings include:

1. Bypassed circuits
2. Circuits On Soak (a special circuit test mode set up by the installation engineer)
3. Isolated circuits
4. Line Fault (only when setting with telephone line fault is allowed)

Setting Faults

The system will not permit setting with faults or with any circuit open or activated, with the exception of exit route circuits or circuits which have been bypassed or isolated.

When a user selects set, and faults exist, the set warning prompt will be displayed.

Cannot Set	
Tamper Rear Door	*The display will automatically scroll through the list of faults*

The system may have been programmed to allow the user to force set if circuit faults exist.

✔=Force Set	*Press the ✔ button to try to force set.*

If the circuits in fault can be bypassed then the system will report the bypassed circuits and then prompt the user to confirm setting.

Failure to Set after Exit Time

If the group fails to set at the end of the exit period, the exit tone will change to warn the user that the system has not set. Log on to the keypad to display the fault condition(s). The external sounder may also have been programmed by the installation engineer to activate in the event of a failure to set.

Reset *Code-03*

The resetting method programmed by the alarm company engineer for each area and the system will depend on the particular security requirements of the area or system. There are 3 types of reset:

1. Customer reset, where the customer can reset any alarm
2. Engineer reset, where the alarm company engineer must reset all alarms
3. Managed reset, where the customer can reset an alarm after reporting the event to the alarm company

Customer Reset

If an alarm condition has occurred when set, the alarm message will be displayed when the group is unset.

Alarm **PIR in Office**	*An example of an alarm message after unsetting.*

If more than one alarm has occurred the display will automatically scroll through the list of alarms. After the last alarm is displayed the reset prompt will be displayed.

✔=Reset	*Press ✔ to reset the alarm*

If an alarm condition cannot be reset then a message will be displayed.

Engineer Reset

If the system is configured for engineer reset then after the alarm(s) information is displayed a special prompt will be displayed.

Tel:01313333802 **Contract:123456**	*The number to call for a service engineer* *Quote your customer contract number*

When an engineer reset is required, it will not be possible to set the system until an engineer has been to the site.

Managed Reset

If the system is configured for managed reset then after the alarm(s) information is displayed a special prompt will be displayed. This feature operates in a similar way to engineer reset. After the call engineer prompt the telephone and code numbers will be displayed.

Tel:01313333802 **Code:12345**	*The number to call for a service engineer* *Quote your code number*

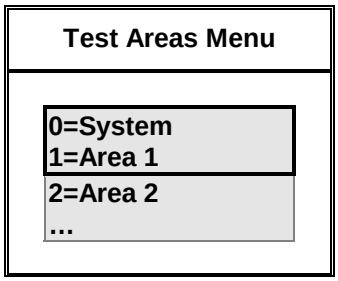
The alarm company will issue a special 5-digit PIN code. This PIN code can be used only once to reset the system.

Reset OK	*Log on using the 5 digit reset code. If the code is accepted this message will be displayed.*

Test *Code-04*

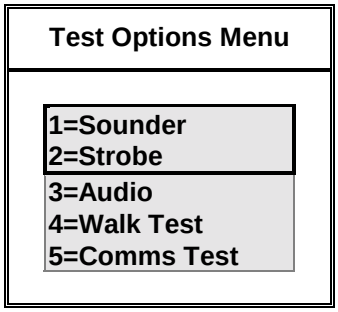
Each area of the system can be tested individually or all areas can be tested at the same time (system). The test time is limited to 1 hour. If the user does not end the test by the end of the test time then the panel will exit test mode automatically.

When the test option is selected the area test menu will be displayed.



Select the area to test or the system option to test all areas.

When an area(s) is selected the test options menu will be displayed.



Choose the item that you want to test from the test menu.

Test Options	Sounder	*Code-1*

The external sounder(s) will be turned on for a maximum of 20 seconds or until the user presses the ✗ button.

Test Options	Strobe	*Code-2*

The external strobe(s) will be turned on for a maximum of 60 seconds or until the user presses the ✗ button.

Test Options	Audio	*Code-3*

The internal sounder(s) will be turned on for a maximum of 20 seconds or until the user presses the ✗ button.

Test Options	Walk Test	*Code-4*

The panel records all activations from sensors during the unset period. When walk test is selected the panel will display all circuits which have not alarmed since the panel was last unset. If all circuits are to be tested then select walk test, then press the ✗ button and select walk test a second time.

When walk test is selected the keypad will automatically scroll through the list of circuits which have not been tested.

Hall PIR **Not Tested**	*All circuits still to be tested will be displayed.*

When all circuits have responded then “All Tested” message will be displayed and the panel will exit walk test:

Walk Test **All Tested**	

When the panel exits test mode, either manually or automatically at the end of the test time then:

1. Any fire sensor still in alarm will give a normal alarm response.
2. Circuits with a 24-hour response, which are still in alarm, will be temporarily bypassed.
3. A warning will be displayed if any PA sensor is still in alarm.

Test Options	**Comms Test**	***Code-5***

If the comms test is selected then the panel will make a test call to all telephone numbers that have been programmed for test by the installation engineer.

Engineer Access *Code-05*

The Eng option will only be available if the system is configured for user authorised engineer access. This option applies to both local and remote engineer access.

When the Eng option is selected the system will prompt for the engineer PIN code to be entered.

Engineer **Guardall**	*The engineer must log on within 2 minutes.* *Press ✗ to cancel the engineer log on authorisation.*

Once logged on the engineer working time is limited to 8 hours.

PIN Change *Code-06*

All users on the system are identified by a user code. A user code can be a PIN code, an electronic key or proximity token. To change user code, log on to the keypad using your current code and choose the PIN option. Then follow the display prompts. All user PIN code changes are recorded in the system event log.

Note: If the PIN option is not available this means that the system has been programmed to prevent you from changing your user code, and a new code must be allocated by the security system manager.

New PIN **Enter-**	*The chosen PIN code may be any unique 4, 5 or 6 digit code.*
Re-enter PIN **Enter-**	*The new PIN code must be re-entered before being accepted by the system*
New Pin **Does not Match**	*If the re-entered PIN code does not match a message will be displayed and the system will prompt again for a new PIN.*
New Pin **Not Available**	*If the new PIN code is not available you must choose another new PIN.*

If a suitable keypad is used then the user code may be changed to either an electronic key or proximity token. If you are changing code to an electronic key then insert the key when the system prompts for a PIN. If you are changing code to a proximity token then present the token when the system prompts for a PIN.

Adding Users *Code-07*

A manager user can change the name, user code and authority for any user except the engineer. To modify a user's details enter the user number. The user menu will then be displayed.

User Menu
1=Name **2=PIN** **3=Authority**

Choose the required option.

User	**Name**

When the name option is selected the current user descriptor will be displayed. Names can be up to 14 characters long and may contain any of the following characters.

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz .-/+#%^&*@<>:!$?_0123456789

By default all names are "User" followed by the user number, for example **User 2**.

User Number-03 **J Smith**	*The first character of the text descriptor will be flashing.*

When you edit a name the first letter will be flashing. You can either use the ↑ or buttons to select the required character or use one of the numeric keys to quickly access a particular character.

Fast character access buttons									
Button	1	2	3	4	5	6	7	8	9
Character	A	M	Z	a	m	z	1	9	space

Use the ✔ button to move to the next character position on the right. Press ✗ to save the descriptor and exit. To clear all characters to the right of the cursor press **0**.

User Name	**Text Library**

The panel has a library of words that can be used when editing text descriptors. To access the text library press the **?** button when editing a text descriptor.

Text **Number __**	*The text library reference number for the word.*

When a text number is entered the panel will display the word and prompt the user to accept.

Security **✔=OK ↑ =Change**	*The selected word.*

If the word is accepted it will be copied to the **current cursor position** of the descriptor being edited. You can press the ↑ or buttons to scroll through the text library items. The text library is listed below.

Note: The text library is primarily used by the installation engineer when programming circuits etc. It is of limited use when programming user names, which would normally be unique to each installation.

Number	Text
00	Accounts
01	Admin
02	Alarm
03	Alert
04	Area
05	ATM
06	Attack
07	Auxiliary
08	Bank
09	Bar
10	Beam
11	Bedroom
12	Branch
13	Cafe
14	Canteen
15	Ceiling
16	Cleaner
17	Communicator
18	Computer
19	Corridor
20	Counter
21	Dispatch
22	Door
23	Downstairs
24	Dualtech
25	Entry
26	Exit
27	Factory
28	Fence
29	Fire
30	Freezer
31	Fridge
32	Garage
33	Gate
34	Guard
35	Hall
36	Home
37	House
38	Infrared
39	Keypad
40	Kitchen
41	Landing
42	Library
43	Lobby
44	Lock
45	Lounge
46	Manager

Number	Text
47	Master
48	Medical
49	Microwave
50	Monitor
51	Movement
52	Office
53	PA Button
54	Panel
55	Panic
56	Partition
57	Passive
58	Perimeter
59	PIR
60	PIR B
61	PIR In
62	PIR On
63	Point
64	Purchasing
65	Quality
66	Reception
67	Remote
68	Restaurant
69	Roof
70	Room
71	Safe
72	Security
73	Sensor
74	Shop
75	Showroom
76	Site
77	Smoke
78	Stairs
79	Stores
80	Strobe
81	System
82	Tamper
83	Teller
84	The
85	Till
86	Ultrasonic
87	Upstairs
88	User
89	Vault
90	Warehouse
91	Window
92	Zone

User	PIN

For details of changing a PIN refer to the section on PIN change on page 23.

The default user PIN codes are shown in the table.

Default Codes	
User Number	**PIN**
2	0202
3	0303
4	0404
5	0505
6	0606
7	0707
8	0808
9	0909
10	1010
This pattern continues up to the last user.	
40	4040

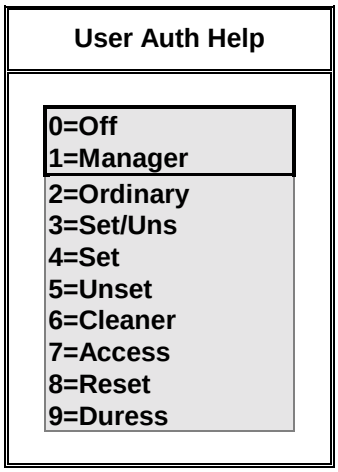
User	Authority

Users can be programmed with a number or options including authority level, area access and timed access.

When the authority option is selected the user authority menu is displayed.

User	Options
User-xx ***User Name***	*xx=User number*
Manager	*Press **?** for list of user authorities*
PIN Change-On	*On/Off*
LogOn/Set-On	*On/Off*
Area 1-Off	*On/Off*
Area 2-Off	*On/Off*
…	
Schedule 1-Off	*On/Off*
Schedule 2-Off	*On/Off*
Schedule 3-Off	*On/Off*
Schedule 4-Off	*On/Off*

The available menu options are dependent on the programmed user authority.



Refer to the user authority option table for full details of options available for each user type.

The menu options available to each authority level are shown in the table.

Menu Option		User Authority Level								
Code	Text	Man	Ord	Set/ Uns	Set	Unset	Cleaner	Access	Reset	Duress
01	Unset	✓	✓	✓	✗	✓	✓	✗	✗	✓
02	Set	✓	✓	✓	✓	✗	✓	✗	✗	✗
03	Reset	✓	✓	✓	✗	✗	✗	✗	✓	✓
04	Test	✓	✓	✗	✗	✗	✗	✗	✗	✗
05	Engineer	1	1	1	1	✗	✗	✗	✗	✗
06	PIN	✓	2	2	2	✗	✗	✗	✗	2
07	User	✓	✗	✗	✗	✗	✗	✗	✗	✗
10	Log-Full	✓	✗	✗	✗	✗	✗	✗	✗	✗
11	Log-Cct	✓	✗	✗	✗	✗	✗	✗	✗	✗
12	Log-User	✓	✗	✗	✗	✗	✗	✗	✗	✗
13	Log-KP	✓	✗	✗	✗	✗	✗	✗	✗	✗
14	Log-Date	✓	✗	✗	✗	✗	✗	✗	✗	✗
15	Log-Alarm	✓	✗	✗	✗	✗	✗	✗	✗	✗
20	Time +/-75m	3	3	✗	✗	✗	✗	✗	✗	✗
24	Holiday	✓	✗	✗	✗	✗	✗	✗	✗	✗
25	Schedule	✓	✗	✗	✗	✗	✗	✗	✗	✗
30	Bypass	4	4	✗	✗	✗	✗	✗	✗	✗
31	KP Off	✓	✗	✗	✗	✗	✗	✗	✗	✗
32	Chime	✓	✓	✗	✗	✗	✗	✗	✗	✗
40	Print Text	✓	✗	✗	✗	✗	✗	✗	✗	✗
42	Print Hols.	✓	✗	✗	✗	✗	✗	✗	✗	✗
86	Isolate Cct	5	✗	✗	✗	✗	✗	✗	✗	✗
87	Isolate Conc	5	✗	✗	✗	✗	✗	✗	✗	✗

Notes: Items marked 1-5 will only be available if programmed by the installation engineer.

User Menu	**PIN Change**	*On/Off*

Some user types are allowed by default to change their own PIN code (refer to authority table). This feature can be disabled for any user without manager authority.

User Menu	LogOn/Set	*On/Off*

If this option is on, a set prompt will be displayed in place of the normal log on menu, when the user logs on.

User Menu	Area 1-n	*On/Off*

A user can be programmed with authority for any combination of areas.

User Menu	Schedule 1-4	*On/Off*

A user can be programmed with up to 4 schedules to control access times. The timer and holiday schedules may also be programmed.

Logs

The panel logs all events that occur in the system. All events stored in the event log are numbered in the range 0-65535. The event number is only used when printing the log. The event number will be the same even if the event is printed as part of a filtered log. The event number will only be reset if more than 65535 events have been recorded.

The event log may be displayed or printed in full or in filtered form. Printing will only be available if a printer interface is fitted to the system. When a log option is selected the display or print choice menu will be displayed.

1=Display **2=Print**	*Press 1 to display or 2 to print the selected log items.* *The print option will only be available if a printer is fitted to the system*

Logs	**Event Log Messages**

Log messages are constructed using the event time, the event type and the additional information specified by the event type. Each event is time stamped to the nearest 2 seconds. If a text description has been programmed it will be used in the printed log. When the log is displayed abbreviations are used.

The displayed log format is:

PIR in Hall **Bypassed**	*the circuit description* *the event type*

The event time and circuit number may be displayed in place of the normal top line information by pressing the **?** button.

12:00:00 UxxCxxx **Bypassed**	*the event time and additional data* *the event type*

You can set the display mode you prefer or use the **?** button to switch between display modes as you scroll through the logged events. You can use the ↑ and buttons to step through the events.

In the table below all messages logged by the panel are shown. Some message types are stored in both the alarm and event logs and some are stored in the event log only.

Logs	**Printed Log**

If the log is printed then the log index number, text descriptors and the date will be printed for each event.

00001 Sat 02 Jan 00:00:02 User 2 (Mr Smith) Logged On on KP 0

Logs	**Log-Full**	***Code-10***

All logged events may be displayed or printed.

Logs	**Log-Cct**	***Code-11***

All logged events for a particular circuit number may be displayed or printed.

Logs	Log-User	*Code-12*

All logged events for a particular user may be displayed or printed.

Logs	Log-KP	*Code-13*

All logged events for a particular keypad may be displayed or printed.

Logs	Log-Date	*Code-14*

All logged events for a particular date may be displayed or printed.

Logs	Log-Alarm	*Code-15*

All logged alarm events may be displayed or printed.

Log Messages

Alarm & Event Log messages			
Log Text	**Additional Data**	**Display Text**	**Event Description**
Alarm	Circuit *nnn*	Cct*nnn*	A Circuit alarm
Auto Check Fail	Circuit *nnn*	Cct*nnn*	A Circuit has failed to activate during the auto check period.
Battery Low	NONE	NONE	The battery has reached the low volts threshold (after a mains fail)
Tamper	*n*	*n*	Concentrator Tamper
Check Fuse	Conc *n*	Conc *n*	Concentrator fuse
Check Fuse	OPM *n*	OPM *n*	Output module fuse
Check Fuse	SM *n*	SM *n*	Serial module fuse
Entry Alarm	Area *n*	A*n*	The area is not unset before the end of the entry warning period
Fire	Circuit *nnn*	Cct*nnn*	A fire type circuit alarm
Marginal	Circuit *nnn*	Cct*nnn*	A Circuit is marginal
Panel Tamper	NONE	NONE	Panel case or off the wall tamper
Personal Attack	Circuit *nnn*	Cct*nnn*	A PA type circuit alarm
Rmt.Auth Fail	NONE	NONE	Repeated attempt to log on by a remote host
Tamper	Circuit *nnn*	Cct*nnn*	A circuit tamper
Tamper	Keypad *n*	KPn	A keypad tamper

Event log only messages			
Log Text	**Additional Data**	**Display Text**	**Event Description**
230v Fault	NONE	NONE	Mains supply failed
230v OK	NONE	NONE	Mains supply restored
Active Circuit	Circuit *nnn*	Cct*nnn*	User selected active circuit test
Alarm (master shunt)	Circuit *nnn*	Cct*nnn*	Master shunt type circuit alarms
Alarm Abort	User *nn*, Keypad *m*	Us*nn*, KP*m*	Alarm abort signal transmitted.
Auto Set	User *nn*, Area *m*	Us*nn*, A*m*	Event programmer automatically set area
Auto Unset	User *nn*, Area *m*	Us*nn*, A*m*	Event programmer automatically unset area
Bat.Monitor Fail	NONE	NONE	Battery voltage is low or not present during a battery test
Bypass	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Circuit bypassed
Changed Holiday	User *nn*, Keypad *m*	Us*nn*, KP*m*	Event programmer holiday date changed
Changed PIN Code	User *nn*, Keypad *m*	Us*nn*, KP*m*	User changes own PIN
Changed PIN for	User *nn*, User *mm*	Us*nn*, Us*mm*	Manager or GSR user changes PIN for another user
Changed Time	User *nn*, Keypad *m*	Us*nn*, KP*m*	Time modified, old time and new time are logged
Clear (master shunt)	Circuit *nnn*	Cct*nnn*	Master shunt type circuit clears
Comm Acknowledge	n	*n*	Central station acknowledge alarm report
Comm Fail	n	*n*	Central station fails to acknowledges alarm report
Comm Test	User *nn*, Keypad *m*	Us*nn*, KP*m*	User or the panel tested the communicator(s)
Duress Alarm	User *nn*, Keypad *m*	Us*nn*, KP*m*	User enters a duress code
Engineer Reset	Circuit *nnn*	Cct*nnn*	Engineer reset type circuit alarms
Entry Started	Circuit *nnn*	Cct*nnn*	Entry circuit opens
Failed Auto Set	User *nn*, Area *m*	Us*nn*, A*m*	Event programmer failed to auto set due to circuits in alarm
First PIN	User *nn*, Keypad *m*	Us*nn*, KP*m*	User entered PIN on Dual PIN keypad
PC Access	User *00*	Us*nn*	A GSR user has logged on remotely.
Isolate	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Circuit isolated by user
Isolate (conc)	User *nn*, *m*	Us*nn*, *m*	Concentrator isolated by user
Key Set Req.	Circuit *nnn*	Cct*nnn*	Key type circuit alarms
Key Unset Req.	Circuit *nnn*	Cct*nnn*	Key type circuit clears
Knock	Circuit *nnn*	Cct*nnn*	Circuit first knock
Line Block	NONE	NONE	SmartDial has reported a line blocked condition
Line Fault	1 - 50 volts not present 2 - Line block test failure 3 - No acknowledge from central station 4 – Main PCB LF input 5- SmartDial Fault	NONE	Communicator has reported a line fault
Lockout	Keypad *n*	KP*n*	Incorrect PIN attempt limit reached on the keypad
Logged Off	User *nn*, Keypad *m*	Us*nn*, KP*m*	User logged off keypad
Logged On	User *nn*, Keypad *m*	Us*nn*, KP*m*	User logged on keypad
Mult. Alarm	Circuit *nnn*	Cct*nnn*	Circuit has alarmed up to the multiple alarm limit
Normal (conc)	User *nn*, *m*	Us*nn*, *m*	Isolate removed from a concentrator

Event log only messages			
Log Text	**Additional Data**	**Display Text**	**Event Description**
Normal (removed bypass)	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Bypass removed from a circuit
Normal (removed isolate)	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Isolate removed from a circuit
PIN Code Clash	User *nn*, User *mm*	Us*nn*, Us*mm*	User has chosen a new PIN code which is the same as another user
Power Fail	NONE	NONE	Supply voltage has fallen to the power fail threshold
Pre-Warning	Circuit *nnn*	Cct*nnn*	A circuit has been alarmed during the entry period
Reprogrammed	User *nn*, Keypad *m*	Us*nn*, KP*m*	A configuration option(s) has been changed
Reset	User *nn*, Area *m*	Us*nn*, Us*nn*	An area has been reset
Restored PINs	User *nn*, Keypad *m*	Us*nn*, KP*m*	All PINs have been restored to default
Restore	Circuit *nnn*	Cct*nnn*	A Circuit alarm has restored.
Set	User *nn*, Area *m*	Us*nn* A*m*	Area has been set by a user
Shunt Off	Circuit *nnn*	Cct*nnn*	A master shunt circuit or the event programmer schedule has removed the shunt from a circuit
Shunt On	Circuit *nnn*	Cct*nnn*	A master shunt circuit or the event programmer schedule has shunted a circuit
Soak Alarm	Circuit *nnn*	Cct*nnn*	A circuit on soak test has alarmed
Soak Failed	Circuit *nnn*	Cct*nnn*	At the end of the soak period any circuit which has alarmed is logged as failed
Soak Off	Circuit *nnn*	Cct*nnn*	A circuit has been taken off soak
Soak On	Circuit *nnn*	Cct*nnn*	A circuit has been put on soak
Managed Rst	Keypad *n*	KP*n*	A managed reset code has been entered.
Temp Bypass	Circuit *nnn*	Cct*nnn*	A circuit has been temporarily (until clear) bypassed
Unset	User *nn*, Area *m*	Us*nn* A*m*	A user has unset the area
Verify Alm	Area *n*	A*n*	A verified alarm has occurred

Time Change *Code-20*

The clock can only be set by the engineer. Some users have the authority to change the time by up to 75 minutes from the time set by the engineer if the user clock edit option is programmed.

Time **12:00**	*To change, start entering the new time*
Time **Enter HH:MM**	*Enter the new time*

The old and new times will be recorded in the event log.

Holiday *Code-24*

Feature	PX18	PX34
Max. Holidays	0	14

This option is used in conjunction with the programmable schedules. To program a holiday, select the holiday option from the main menu followed by the holiday number. The holiday menu will then be displayed.

Holiday	Options
Holiday-x	*x=holiday number*
Start-*DD:MM*	*DD:MM*
End-*DD:MM*	*DD:MM*
Area 1-Off	*On/Off*
Area 2-Off	*On/Off*
…	

Note: The holiday date format is day and month only. No year is entered and the entered date will remain programmed as a holiday for all subsequent years or until it is removed from the holiday schedule. It is not possible to program a holiday period that starts in December and ends in January. To achieve this 2 holiday periods must be programmed.

Holiday Menu	**Start**	*DD:MM*

Enter the holiday start day and month. To remove a holiday enter a date of 00:00. The date entered must be before the programmed end date.

Holiday Menu	**Stop**	*DD:MM*

Enter the holiday end day and month. To remove a holiday enter a date of 00:00. The date entered must be after the programmed start date.

Holiday Menu	**Areas**	*On/Off*

Holidays can be applied to any combination of areas.

Schedule *Code-25*

Feature	PX18	PX34
Max. Schedules	4	8

A schedule can be used to:

1. Auto set and unset parts of the system
2. Control outputs
3. Enable/disable keypads
4. Enable/disable user access

A manager user can program schedules and assign schedules to users (Refer to user authority).

To program a schedule, select the schedule option from the main menu followed by the schedule number. The schedule menu will then be displayed.

Schedule	Options
Schedule-x	*x=Schedule number*
Start Time-00:00	*HH:MM*
Stop Time-00:00	*HH:MM*
Mon-Off	*On/Off*
Tue-Off	*On/Off*
Sun-Off	*On/Off*
Holiday-Off	*On/Off*

Schedule Menu	Start Time	*HH:MM*

To disable a schedule the start and stop times should be set to 00:00.

Schedule Menu	Stop Time	*HH:MM*

To disable a schedule the start and stop times should be set to 00:00.

Schedule Menu	Mon-Sun	*On/Off*

Each schedule can be configured for any combination of days. If the start or stop times are non zero, the programmed schedule function will not operate on days that are off.

Schedule Menu	Holiday	*On/Off*

If the holiday option is on, then the schedule operation will be suspended on dates that are programmed as holidays.

Bypass *Code-30*

The bypass option will only be available if a circuit(s) has been programmed as bypassable by the installation engineer.

The bypass circuit option allows the user to bypass a circuit that is in a fault condition. When bypassed the alarm condition of a circuit is ignored.

Circuit Number-x	*To bypass a circuit select the bypass option from the main menu, followed by the circuit number.*
Circuit -x Normal	*The current state will be displayed*

When a circuit is bypassed it is ignored until the bypass is automatically removed when the circuit is next unset or until a user removes the bypass. All bypass actions are stored in the event log.

A bypass limit will have been programmed by the installation engineer to limit the number of circuits that can be bypassed at any one time. The system will display an error message if you try to exceed this limit.

Keypad Off *Code-31*

A keypad can be disabled by an authorised user if required. Disabling a keypad will render all buttons on the keypad inoperative, however the keypad display will continue to operate normally.

To disable a keypad, enter the keypad number.

Keypad-x On	*Press 0 to turn off or 1 to turn on.*
12:00 Mon 27 Sep Out of Service	*A keypad that is turned off will show the time/date and out of service message.*
Not Available: Keypad Busy	*You cannot turn off a keypad which is being used. If this is attempted a warning message will be displayed.*

The installation engineer may also have programmed the system to turn off a keypad(s) at various times of day. This allows, for example, a keypad in a public area to be turned off while the area is unset.

Chime *Code-32*

Certain circuit types can be selected as chime circuits when unset.

To select the chime function for a circuit, enter the circuit number.

Circuit -x Front Door	*The circuit descriptor will be displayed.* *Press any button to display the current chime status of the circuit.*
Circuit -x Chime-Off	*Press 0 to turn off or 1 to turn on.*

Printing | **Print Text** | ***Code-40***

The print text option will print all text descriptors for users, circuits, set groups, and the company name.

Printing | **Print Holidays** | ***Code-42***

The print holiday option will print all holiday periods.

Isolate Circuit ***Code-86***

The isolate circuit option will only be available if programmed by the installation engineer.

The isolate circuit operation enables a circuit to be isolated in case of a fault. When isolated the alarm and tamper condition of a circuit are ignored.

Circuit Number-x	*Enter the circuit number*
Circuit -x Normal	*The current state will be displayed*

When a circuit is isolated it is ignored until the isolate is removed. Isolate can only be removed if the circuit is in a clear condition.

Isolate Concentrator ***Code-87***

The isolate concentrator option will only be available if programmed by the installation engineer.

This option enables a concentrator tamper to be isolated if a fault occurs.

Concentrator Number-x	*Enter the concentrator number*
Isol Conc-x Off	*The current state will be displayed*

When a concentrator is isolated it is ignored until the isolate is removed.

System Details

Number of Areas	
Number of keypads	
Number of Circuits	
Number of Users	
Service Number	
Contract Number	

Keypads

Number	Location
1	
2	
3	
4	
5	
6	
7	
8	

Set Groups

Number	Description	Areas							
		1	2	3	4	5	6	7	8
1									
2									
3									
4									
5									
6									
7									
8									

Circuits		
Number	**Description**	**Location**
Cct 1		
Cct 2		
Cct 3		
Cct 4		
Cct 5		
Cct 6		
Cct 7		
Cct 8		
Cct 9		
Cct 10		
Cct 11		
Cct 12		
Cct 13		
Cct 14		
Cct 15		
Cct 16		
Cct 17		
Cct 18		
Cct 19		
Cct 20		
Cct 21		
Cct 22		
Cct 23		
Cct 24		
Cct 25		
Cct 26		

Number	Description	Location
Cct 27		
Cct 28		
Cct 29		
Cct 30		
Cct 31		
Cct 32		
Cct 33		
Cct 34		

Users

Number	Name	Authority Level	Areas							
			1	2	3	4	5	6	7	8
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										

Number	Name	Authority Level	Areas							
			1	2	3	4	5	6	7	8
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

Guardall Limited
Lochend Industrial Estate
Newbridge
Edinburgh EH28 8PL

Tel: 0131-333-2900
FAX: 0131-333-4919

Technical Hotline: 0131-333-3802

Part Number: 320780-0A