



Intelligent Security & Fire Ltd.

PX Control Panel

User Manual

Issue C

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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.

Event Log

The system incorporates an event log capable of recording the at least 250 events. The actual number of event stored is dependent on the panel type as shown in the table.

Feature	PX18	PX34	PX80	PX500
Security event log	250	250	500	1000
Access Log	1000	1000	1000	1000

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.

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. 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. 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 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.

Logging on

A user logs on to the system by either:

1. Entering a user 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=Code
07=User
10=Log-Full
11=Log-Cct
12=Log-User
13=Log-KP
14=Log-Date
15=Log-Alarm
16=A/Log-Full
17=A/Log-User
18=A/Log-Door
20=Time
24=Holiday
25=Schedule
26=SetGroup
30=Bypass
31=KP Off
32=Chime
40=Print Text
42=Print Hols.
50=Add User
51=Delete User
52=Identify User
53=Door Unlock
54=Door Lockout
55=Door Text
71=Copy User
73=Copy A/User
86=Isolate Cct
87=Isolate Conc
89=Cct Status

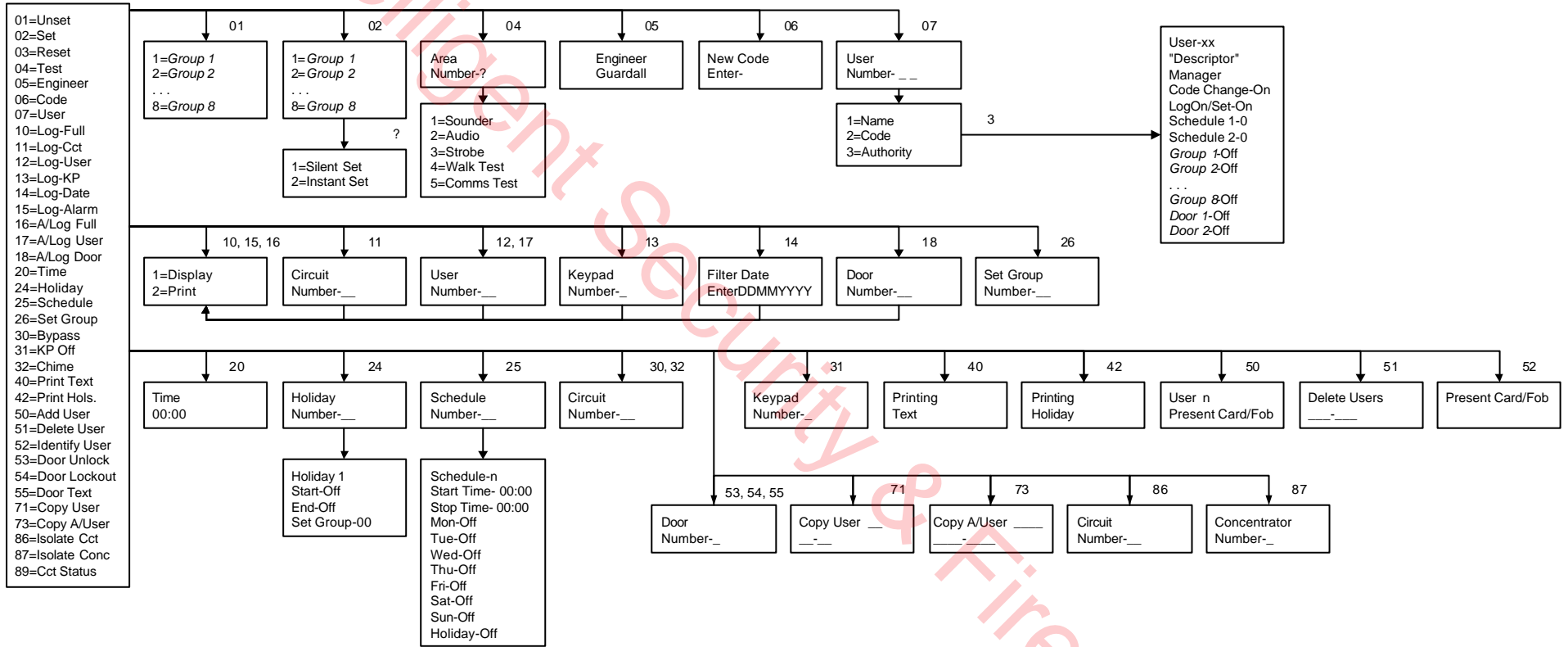
The user menu shown has all possible options available. The actual options available to a user will depend on the user authority, the system configuration and the current system status.

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.

PX 18/34

Menu Layout

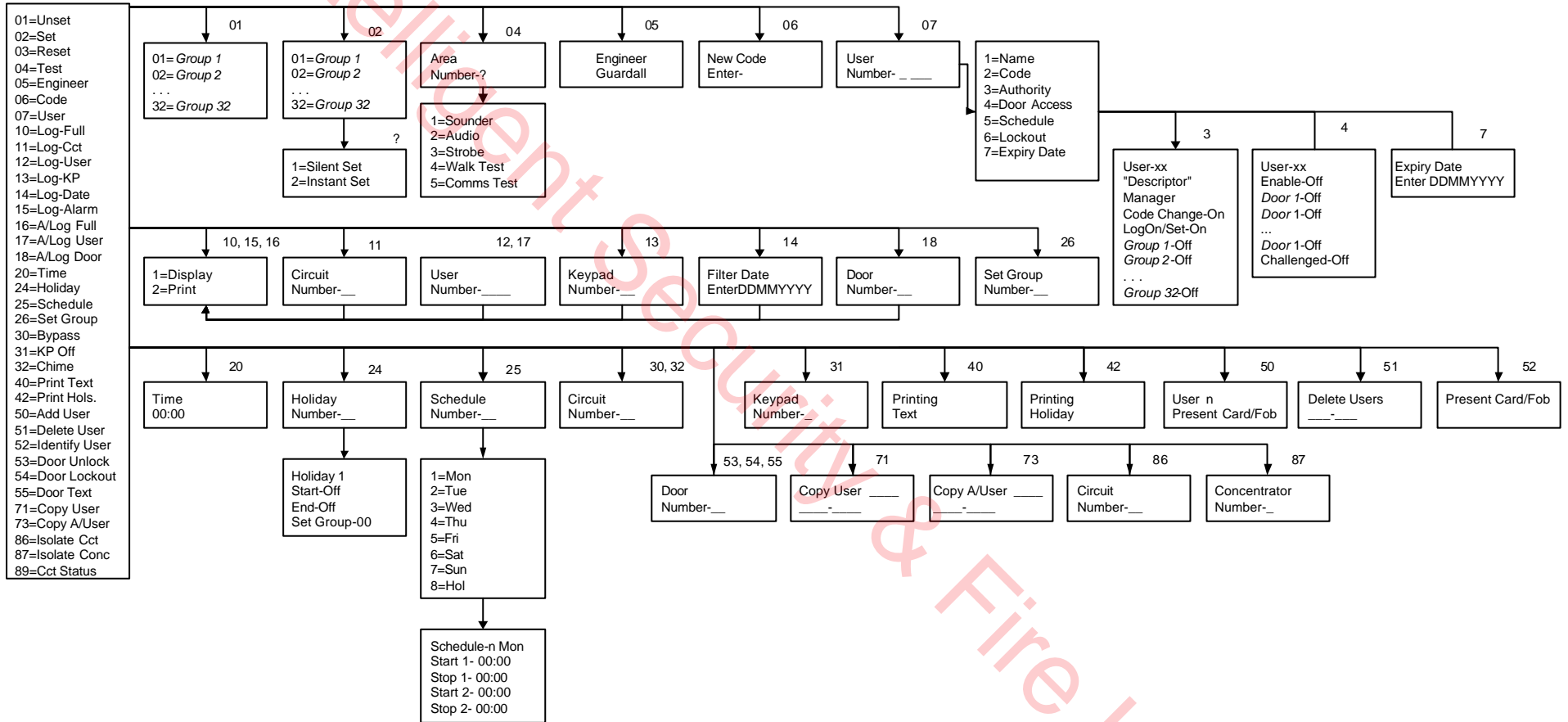
The menu map shows all possible menu options and, where appropriate, sub menus.



PX 80/500

Menu Layout

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



Invalid User Codes

**12:00 Mon 27 Sep
Incorrect Code**

If an incorrect user code is entered, the incorrect code message will be displayed for 4 seconds or until another key is pressed.

If more than the programmed number of code 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 X to log off from the main menu.

✓=Confirm LogOff

Press ✓ to confirm log off.

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.
Code Known	Another user has chosen your code. You will then be given the option of immediately changing your code. This message will always be displayed on log on until the 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	<i>If more than 1 group is configured for logon/unset then only the first descriptor will be displayed.</i>
-----------------------	-------------------------------------------------------------------------------------------------------------

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

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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 keypad may be configured to automatically log the user off from the system 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
5. A user request on an Access module Proximity Reader.

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	<i>Press 02 to set.</i>
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If more than 1 authorised group is unset then the available groups will be displayed.

1=Workshop 2=Office	<i>Choose the group to set.</i>
--------------------------------------	---------------------------------

Workshop Setting	<i>The setting message will be displayed</i>
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Workshop Seconds Left-005	<i>If timed setting is configured for the group the remaining exit time will be displayed</i>
--------------------------------------------	-----------------------------------------------------------------------------------------------

Workshop Set	<i>When the groups set the set confirm message will be displayed.</i>
-------------------------------	-----------------------------------------------------------------------

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	<i>Choose silent set to set with no exit tone. Choose quick set to ignore the programmed exit time and set instantly.</i>
-------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------

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 **X** 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	<i>If setting is aborted by logging onto a keypad the setting aborted message will be displayed.</i>
------------------------	------------------------------------------------------------------------------------------------------

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	<i>Press the ✓ button to display the setting warning(s).</i>
---------------------------------	--------------------------------------------------------------

Loading Door Isolated	<i>The display will automatically scroll through the list of warnings</i>
------------------------------	---------------------------------------------------------------------------

Workshop ✓=Set	<i>Press ✓ to proceed with setting or press X to cancel setting</i>
---------------------------	---------------------------------------------------------------------

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	
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Tamper Rear Door	<i>The display will automatically scroll through the list of faults</i>
-------------------------	-------------------------------------------------------------------------

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.

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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	<i>An example of an alarm message after unsetting.</i>
--------------------------------	--------------------------------------------------------

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	<i>Press ✓ to reset the alarm</i>
----------------	-----------------------------------

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.

0131333802 Code:123456	<i>The number to call for a service engineer Quote your customer contract number</i>
-----------------------------------	------------------------------------------------------------------------------------------

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.

0131333802 Code:12345	<i>The number to call for a service engineer Quote your code number</i>
----------------------------------	-----------------------------------------------------------------------------

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	<i>Log on using the 5 digit reset code. If the code is accepted this message will be displayed.</i>
-----------------	-----------------------------------------------------------------------------------------------------

Test **Code-04**

Each area of the system can be tested individually or all areas can be tested at the same time. 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.

Test Areas Menu
<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Area Number-? </div>

Enter the area number to test (area 0 for the system).

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

Test Options Menu
<div style="border: 1px solid black; padding: 2px;"> 1=Sounder 2=Strobe 3=Audio 4=Walk Test 5=Comms Test </div>

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 until the user presses the **X** button.

Test Options	Strobe	Code-2
---------------------	---------------	---------------

The external strobe(s) will be turned on until the user presses the **X** button.

Test Options	Audio	Code-3
---------------------	--------------	---------------

The internal sounder(s) will be turned on until the user presses the **X** 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 **X** 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	<i>All circuits still to be tested will be displayed.</i>
--------------------------------	-----------------------------------------------------------

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

Walk Test	
------------------	--

All Tested

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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	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	<i>The engineer must log on within 2 minutes. Press X to cancel the engineer log on authorisation.</i>
------------------------------	------------------------------------------------------------------------------------------------------------

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

	Code	Code-06
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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 code option. Then follow the display prompts. All user code changes are recorded in the system event log.

Note: If the code 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 Code Enter-	<i>The chosen code may be any unique 4, 5 or 6 digit code.</i>
----------------------------	----------------------------------------------------------------

If the entered code is not available the a warning message will be displayed.

New Code Not Available	
-----------------------------------	--

Re-enter Code Enter-	<i>The new code must be re-entered before being accepted by the system</i>
---------------------------------	----------------------------------------------------------------------------

New Code Does not Match	<i>If the re-entered code does not match a message will be displayed and the system will prompt again for a new code.</i>
------------------------------------	---------------------------------------------------------------------------------------------------------------------------

New Code Not Available	<i>If the new code is not available you must choose another new code.</i>
-----------------------------------	---------------------------------------------------------------------------

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 code. If you are changing code to a proximity token then present the token when the system prompts for a code. When using a proximity token you will not be prompted to re-enter the code.

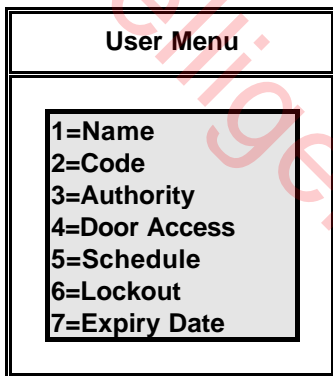
User **Code-07**

Feature	PX18	PX34	PX80	PX500
Max. Users	20	40	1000	1000
Max. Security	20	40	100	200

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 in the range 2-max users. The user menu will then be displayed.

The user 2 configuration may only be changed by user 1 or user.

Access system users be added quickly using the "Add User" menu option (50).



Choose the required option.

This option is not available on the PX18/34.
 This option is not available on the PX18/34.
 This option is not available on the PX18/34.
 This option is not available on the PX18/34.

User **Code-1**

Name

When the name option is selected the current user descriptor will be displayed. Names can be up to 10 characters long and may contain any of the following characters.

ABCDEFGHIJKLMN OPQRSTUVWXYZ abcdefghijklmnopqrstuvwxy z .-/+#%^&*@<>:;!\$?_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 **X** to save the descriptor and exit. To clear all characters to the right of the cursor press **0**.

User Menu	Code	Code-2
------------------	-------------	---------------

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

The default user codes are shown in the table.

Default Codes	
User Number	PIN
2	0202
3-last user	Off

User Menu	Authority	Code-3
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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-nnnn User Name	<i>nnnn=User number</i>
Manager	<i>Press ? for list of user authorities</i>
Code Change-On	<i>On/Off</i>
LogOn/Set-On	<i>On/Off</i>
Schedule 1-Off	<i>On/Off (PX18/34 only)</i>
Schedule 2-Off	<i>On/Off (PX18/34 only)</i>
Group 1-Off	<i>On/Off</i>
Group 2-Off	<i>On/Off</i>
...	
Group 32-Off	<i>On/Off, the number of groups depends on the panel type</i>
Door 1-Off	<i>On/Off (PX18/34 only)</i>
Door 2-Off	<i>On/Off (PX18/34 only)</i>

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

User Auth Help
0=Off
1=Manager
2=Ordinary
3=Set/Uns
4=Set
5=Unset
6=Cleaner
7=Access
8=Reset
9=Duress

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	✓	✓	✓	X	✓	✓	X	X	✓
02	Set	✓	✓	✓	✓	X	✓	X	X	X
03	Reset	✓	✓	✓	X	X	X	X	✓	✓
04	Test	✓	✓	X	X	X	X	X	X	X
05	Engineer	1	1	1	1	X	X	X	X	X
06	Code	✓	2	2	2	X	X	X	X	2
07	User	✓	X	X	X	X	X	X	X	X
10	Log-Full	✓	X	X	X	X	X	X	X	X
11	Log-Cct	✓	X	X	X	X	X	X	X	X
12	Log-User	✓	X	X	X	X	X	X	X	X
13	Log-KP	✓	X	X	X	X	X	X	X	X
14	Log-Date	✓	X	X	X	X	X	X	X	X
15	Log-Alarm	✓	X	X	X	X	X	X	X	X
16	A/Log-Full	✓	X	X	X	X	X	X	X	X
17	A/Log-User	✓	X	X	X	X	X	X	X	X
18	A/Log-Door	✓	X	X	X	X	X	X	X	X
20	Time +/-75m	3	3	X	X	X	X	X	X	X
24	Holiday	✓	X	X	X	X	X	X	X	X
25	Schedule	✓	X	X	X	X	X	X	X	X
26	Set Group	✓	X	X	X	X	X	X	X	X
30	Bypass	4	4	X	X	X	X	X	X	X
31	KP Off	✓	X	X	X	X	X	X	X	X
32	Chime	✓	✓	X	X	X	X	X	X	X
40	Print Text	✓	X	X	X	X	X	X	X	X
42	Print Hols.	✓	X	X	X	X	X	X	X	X
50	Add User	✓	X	X	X	X	X	X	X	X
51	Delete User	✓	X	X	X	X	X	X	X	X
52	Identify User	✓	X	X	X	X	X	X	X	X
53	Door Unlock	✓	X	X	X	X	X	X	X	X
54	Door Lockout	✓	X	X	X	X	X	X	X	X
55	Door Text	✓	X	X	X	X	X	X	X	X
71	Copy User	✓	X	X	X	X	X	X	X	X
73	Copy A/User	✓	X	X	X	X	X	X	X	X
86	Isolate Cct	5	X	X	X	X	X	X	X	X
87	Isolate Conc	5	X	X	X	X	X	X	X	X
89	Cct Status	✓	X	X	X	X	X	X	X	X

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

User Authority Menu	Code Change	On/Off
----------------------------	--------------------	---------------

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

User Authority 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. If the user has only the set option available then either a list of the groups, which can be set, will be

displayed when logging on or, if there is only one set group available, setting will start when the user logs on.

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User Authority Menu	Schedule 1-2 (PX18/34)	On/Off
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A user can be programmed with schedules 1 and/or 2 to control access times. The timer and holiday schedules may also be programmed.

User Authority Menu	Set Group 1-max	On/Off
----------------------------	------------------------	---------------

If the Set Group option is on the user can be programmed any combination of set groups.

User Authority Menu	Door 1-2 (PX18/34)	On/Off
----------------------------	---------------------------	---------------

If access modules are fitted to the system then a user can be authorised for access through doors 1 and/or 2.

User Menu	Schedule (PX80/500)	Code-5
------------------	----------------------------	---------------

A user can be programmed with a schedule to control access times. Program 0 to allow 24hr access.

User Menu	Door Access (PX80/500)	Code-5
------------------	-------------------------------	---------------

Each user can be programmed for any combination of the available doors.

User	Options
User-nnnn	<i>nnnn=User number</i>
Enable-Off	<i>On/Off, this option must be on to view other options</i>
Door 1-Off	<i>On/Off</i>
...	
Door 32-Off	<i>On/Off</i>
Challenged-Off	<i>On/Off</i>

Door Options	Challenged	On/Off
---------------------	-------------------	---------------

If a user is programmed as challenged then the door release and open times will be automatically doubled for the user.

User Menu	Lockout (PX80/500)	Code-6
------------------	---------------------------	---------------

A user can be locked out of the system at any time. All user configuration is retained while a user is locked out.

User-nnnn	<i>The user number</i>
Lockout-Off	<i>On/Off</i>

User Menu	Expiry Date (PX80/500)	Code-7
------------------	-------------------------------	---------------

Expiry dates can now be programmed for all users (panel and access). This option is available even if no access module is fitted to the system.

Expiry Date	
--------------------	--

Off

No expiry date is programmed, press enter to change

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Expiry Date
Enter DDMMYYYY

Enter the day, month and year.

To delete an expiry date enter the day and month of 0000 and the current year.

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 Cct 1
Bypassed

*the event time and additional data
the event type*

Press the ? button again to display the user number.

U xxxx Cct 1
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.

Access Log	A/Log-Full	Code-16
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The access log capacity of the system is 1000 events. This log contains the most recent 1000 events for all doors in chronological order. All log options are configurable for each door. The Access log options are only accessible to users with manager authority.

The full access log may be displayed or printed.

Access Log	A/Log-User	Code-17
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Events for a single access user may be displayed or printed. Select option 17, then enter the user number.

Access Log	A/Log-Door	Code-18
-------------------	-------------------	----------------

Events for a single door may be displayed or printed. Select option 18, then enter the door number.

Logs	Log Messages
-------------	---------------------

Alarm & Event Log messages			
Log Text	Additional Data	Display Text	Event Description
Alarm	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit alarm
Anti mask	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit program with the anti-mask option has alarmed
Bat.Monitor Fail	NONE (see note)	NONE	Battery voltage is low or not present during a battery test
Battery Low	NONE (see note)	NONE	The battery has reached the low volts threshold (after a mains fail)
Comm Fail	NONE	NONE	Control panel comm fail input active.
Entry Alarm	Area <i>n</i>	A <i>n</i>	The area is not unset before the end of the entry warning period
Fire	Circuit <i>nnn</i>	Cct <i>nnn</i>	A fire type circuit alarm
Panel Tamper	NONE	NONE	Panel case or off the wall tamper
Personal Attack	Circuit <i>nnn</i>	Cct <i>nnn</i>	A PA type circuit alarm
Rmt.Auth Fail	NONE	NONE	Repeated attempt to log on by a remote host
Sndr Tamper	NONE	NONE	Panel sounder tamper
Tamper	<i>n</i>	<i>n</i>	Concentrator Tamper
Tamper	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit tamper
Tamper	Keypad <i>n</i>	KP <i>n</i>	A keypad tamper
Tamper	SM <i>n</i>	SM <i>n</i>	A serial module tamper
Tamper	OM <i>n</i>	OM <i>n</i>	An output module tamper
Tamper	Door <i>n</i>	Door <i>n</i>	An access module tamper

Event log only messages			
Log Text	Additional Data	Display Text	Event Description
230v Fault	NONE (see note)	NONE	Mains supply failed
230v OK	NONE (see note)	NONE	Mains supply restored
Active Circuit	Circuit <i>nnn</i>	Cct <i>nnn</i>	User selected active circuit test
Alarm (master shunt)	Circuit <i>nnn</i>	Cct <i>nnn</i>	Master shunt type circuit alarms
Alarm Abort	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	Alarm abort signal transmitted.
Auto Check Fail	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit has failed to activate during the auto check period.
Auto Check OK	NONE	NONE	Circuit Auto Check was OK
Bypass	User <i>nn</i> , Circuit <i>mmm</i>	Us <i>nn</i> Cct <i>mmm</i>	Circuit bypassed
Cannot set	User <i>nn</i> , Area <i>m</i>	Us <i>nn</i> , A <i>m</i>	User was not able to set an area
Cct Tested	Circuit <i>nnn</i>	Cct <i>nnn</i>	Circuit responded in walk test
Changed Code	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User changes own code
Changed Code	User <i>nn</i> , User <i>mm</i>	Us <i>nn</i> , Us <i>mm</i>	Manager or GSR user changes code for another user
Changed Time	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	Time modified, old time and new time are logged
Check Fuse	<i>n</i>	<i>N</i>	Panel fuse number
Check Fuse	Conc <i>n</i>	Conc <i>n</i>	Concentrator fuse
Check Fuse	OPM <i>n</i>	OPM <i>n</i>	Output module fuse
Check Fuse	Door <i>n</i>	Door <i>n</i>	Access module fuse
Clear	Circuit <i>nnn</i>	Cct <i>nnn</i>	Master shunt type circuit clears
Code Clash	User <i>nn</i> , User <i>mm</i>	Us <i>nn</i> , Us <i>mm</i>	User has chosen a new code which is the same as another user
Comm Acknowledge	<i>n</i>	<i>N</i>	Central station acknowledge alarm report
Comm Fail	<i>n</i>	<i>N</i>	Central station fails to acknowledge alarm report
Comm Test	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User or the panel tested the communicator(s)
Duress Alarm	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User enters a duress code
Engineer Reset	Circuit <i>nnn</i>	Cct <i>nnn</i>	Engineer reset type circuit alarms
Entry Started	Circuit <i>nnn</i>	Cct <i>nnn</i>	Entry circuit opens
Failed Auto Set	User <i>nn</i> , Area <i>m</i>	Us <i>nn</i> , A <i>m</i>	Event programmer failed to auto set due to circuits in alarm
Fault	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit short circuit when unset or in alarm when trying to set
Fault	Keypad <i>n</i>	KP <i>n</i>	Failed poll when unset
Fault	Conc <i>nn</i>	Conc <i>nn</i>	Failed poll when unset
Fault	OPM <i>nn</i>	OPM <i>nn</i>	Failed poll when unset
Fault	SM <i>n</i>	SM <i>n</i>	Failed poll when unset
Fault	Door <i>nn</i>	Door <i>nn</i>	Failed poll when unset
First code	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User entered code on Dual code keypad
Head Count	Number		Number of activations of all circuits programmed with the head count option while the panel was unset.
Isolate	User <i>nn</i> , Circuit <i>mmm</i>	Us <i>nn</i> Cct <i>mmm</i>	Circuit isolated by user
Isolate	User <i>nn</i> , Conc <i>m</i>	Us <i>nn</i> , <i>m</i>	Concentrator isolated by user
Key Set Req.	Circuit <i>nnn</i>	Cct <i>nnn</i>	Key type circuit alarms
Key Unset Req.	Circuit <i>nnn</i>	Cct <i>nnn</i>	Key type circuit clears

Event log only messages			
Log Text	Additional Data	Display Text	Event Description
Knock	Circuit <i>nnn</i>	Cct <i>nnn</i>	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 <i>n</i>	KP <i>n</i>	Incorrect code attempt limit reached on the keypad
Logged Off	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User logged off keypad
Logged On	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	User logged on keypad
Managed Rst	Keypad <i>m</i>	KP <i>m</i>	Managed reset code entered
Marginal	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit is marginal
Mult. Alarm	Circuit <i>nnn</i>	Cct <i>nnn</i>	Circuit has alarmed up to the multiple alarm limit
Normal	User <i>nn</i> , Conc <i>m</i>	Us <i>nn</i> , <i>m</i>	Isolate removed from a concentrator
Normal	User <i>nn</i> , Circuit <i>mmm</i>	Us <i>nn</i> Cct <i>mmm</i>	Bypass or isolate removed from a circuit
PC Access	User <i>00</i>	Us <i>nn</i>	A GSR user has logged on remotely.
Power Fail	NONE (see note)	NONE	Supply voltage has fallen to the power fail threshold
Pre-Warning	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit has been alarmed during the entry period
Reprogrammed	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	A configuration option(s) has been changed
Reset	Circuit <i>nnn</i>	Cct <i>nnn</i>	An area has been reset
Reset	User <i>nn</i> , Area <i>m</i>	Us <i>nn</i> , Us <i>nn</i>	An area has been reset
Clear	Circuit <i>nnn</i>	Cct <i>nnn</i>	A Circuit alarm has cleared.
Restored Code(s)	User <i>nn</i> , Keypad <i>m</i>	Us <i>nn</i> , KP <i>m</i>	All codes have been restored to default
Set	User <i>nn</i> , Area <i>m</i>	Us <i>nn</i> A <i>m</i>	Area has been set by a user
Shunt Off	Circuit <i>nnn</i>	Cct <i>nnn</i>	A master shunt circuit or the event programmer schedule has removed the shunt from a circuit
Shunt On	Circuit <i>nnn</i>	Cct <i>nnn</i>	A master shunt circuit or the event programmer schedule has shunted a circuit
Soak Alarm	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit on soak test has alarmed
Soak Failed	Circuit <i>nnn</i>	Cct <i>nnn</i>	At the end of the soak period any circuit which has alarmed is logged as failed
Soak Off	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit has been taken off soak
Soak On	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit has been put on soak
Software Error	N	N	A software error has been logged
Temp Bypass	Circuit <i>nnn</i>	Cct <i>nnn</i>	A circuit has been temporarily (until clear) bypassed
TX On	N	N	TX channel N on
TX Off	N	N	TX channel N off
Unset	User <i>nn</i> , Area <i>m</i>	Us <i>nn</i> A <i>m</i>	A user has unset the area

Event log only messages			
Log Text	Additional Data	Display Text	Event Description
Verify Alm	Area <i>n</i>	<i>An</i>	A verified alarm has occurred
Watchdog	NONE	NONE	Software watchdog active

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Note: If the software versions supports auxiliary PSUs then the following messages will be logged with a number:

- Battery Low
- 230v Fault
- 230v OK
- Power Fail
- Bat.Monitor Fail

The number represents the PSU device:

Logged Number	Device
0	Control Panel
1-max concs	Concentrator number
Max concs-max concs + max access modules	Access module number

Access log only messages			
Log Text	Additional Data	Display Text	Event Description
Access	User <i>nn</i> , Door <i>m</i>	Us <i>nn</i> , Doorm	User accessed door <i>m</i>
Denied	User <i>nn</i> , Door <i>m</i>	Us <i>nn</i> , Doorm	User denied access door <i>m</i>
Set Req.	User <i>nn</i> , Door <i>m</i>	Us <i>nn</i> , Doorm	User request to set from door <i>m</i>
Unset Req.	User <i>nn</i> , Door <i>m</i>	Us <i>nn</i> , Doorm	User request to unset from door <i>m</i>
Exit	User <i>nn</i> , Door <i>m</i>	Us <i>nn</i> , Doorm	User exit by door <i>m</i>
Door Open	Door <i>m</i>	Doorm	Door held open
Forced	Door <i>m</i>	Doorm	Door forced open
Unlock	Door <i>m</i>	Doorm	Door unlocked
Lock	Door <i>m</i>	Doorm	Door lock
Pending	Door <i>m</i>	Doorm	Schedule unlock pending
RTE	Door <i>m</i>	Doorm	Door RTE button active

Time	Code-20
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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	<i>To change, start entering the new time</i>
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Time Enter HH:MM	<i>Enter the new time</i>
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The old and new times will be recorded in the event log.

Holiday **Code-24**

Feature	PX18	PX34	PX80	PX500
Max. Holidays	0	14	14	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 Start-DD:MM End-DD:MM Set Group-1	<i>x=holiday number</i> <i>DD:MM</i> <i>DD:MM</i> <i>1 – Max Set Groups</i>

Note: The holiday date format is day and month only. No year is entered therefore 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
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Enter the holiday start day and month. To disable a holiday enter a date of 00:00. The date entered must be before the programmed end date.

Holiday Menu	End	DD:MM
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Enter the holiday end day and month. To disable a holiday enter a date of 00:00. The date entered must be after the programmed start date.

Holiday Menu	Set Group (Px80/500)	1 – Max Set Groups
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A holiday can be programmed for a single set-group

Holiday Menu	Set Group 1-8 (Px34)	On/Off
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If the Set Group option is on the holiday can be programmed any combination of set groups.

Schedule (PX18 & 34) 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

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 Start Time-00:00 Stop Time-00:00 Mon-Off Tue-Off ... Sun-Off Holiday-Off	<i>x=Schedule number</i> <i>HH:MM</i> <i>HH:MM</i> <i>On/Off</i> <i>On/Off</i> <i>On/Off</i> <i>On/Off</i>

Schedule Menu	Start Time	<i>HH:MM</i>
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To disable a schedule the start and stop times should be set to 00:00.

Schedule Menu	Stop Time	<i>HH:MM</i>
----------------------	------------------	--------------

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

Schedule Menu	Mon-Sun	<i>On/Off</i>
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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 programmed as off.

Schedule Menu	Holiday	<i>On/Off</i>
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If the holiday option is on, then the schedule operation will be suspended on dates that are programmed as holidays.

Schedule (PX80 & 500) Code-25

Feature	PX80	PX500
Max. Schedules	16	32

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

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

Schedule	Options								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1=Mon</td></tr> <tr><td>2=Tue</td></tr> <tr><td>3=Wed</td></tr> <tr><td>4=Thu</td></tr> <tr><td>5=Fri</td></tr> <tr><td>6=Sat</td></tr> <tr><td>7=Sun</td></tr> <tr><td>8=Hol</td></tr> </table>	1=Mon	2=Tue	3=Wed	4=Thu	5=Fri	6=Sat	7=Sun	8=Hol	
1=Mon									
2=Tue									
3=Wed									
4=Thu									
5=Fri									
6=Sat									
7=Sun									
8=Hol									

Select the day or holiday (Hol) to program the schedule times:

Schedule	Options					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Schedule-<i>nn</i> Day</td></tr> <tr><td>Start 1-00:00</td></tr> <tr><td>Stop 1-00:00</td></tr> <tr><td>Start 2-00:00</td></tr> <tr><td>Stop 2-00:00</td></tr> </table>	Schedule- <i>nn</i> Day	Start 1-00:00	Stop 1-00:00	Start 2-00:00	Stop 2-00:00	<p><i>nn</i>=Schedule number, <i>Day</i>= selected day or holiday <i>HH:MM</i></p>
Schedule- <i>nn</i> Day						
Start 1-00:00						
Stop 1-00:00						
Start 2-00:00						
Stop 2-00:00						

Two sets of times may be programmed for each schedule day. This allows, for example, 2 access periods to be configured for a user or 2 auto set/unset times.

Set Group Code-26

A descriptor of up to 10 characters may be entered for each set group. Refer to the user name section for details of how to change a descriptor.

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	<i>To bypass a circuit select the bypass option from the main menu, followed by the circuit number.</i>
-------------------------	---------------------------------------------------------------------------------------------------------

Circuit -x Normal	<i>The current state will be displayed</i>
--------------------------	--------------------------------------------

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	<i>Press 0 to turn off or 1 to turn on.</i>
--------------------	---------------------------------------------

12:00 Mon 27 Sep Out of Service	<i>A keypad that is turned off will show the time/date and out of service message.</i>
----------------------------------------	----------------------------------------------------------------------------------------

Not Available: Keypad Busy	<i>You cannot turn off a keypad which is being used. If this is attempted a warning message will be displayed.</i>
-----------------------------------	--------------------------------------------------------------------------------------------------------------------

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	<i>The circuit descriptor will be displayed. Press any button to display the current chime status of the circuit.</i>
------------------------------	---------------------------------------------------------------------------------------------------------------------------

Circuit -x Chime-Off	<i>Press 0 to turn off or 1 to turn on.</i>
-----------------------------	---------------------------------------------

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 Hols.

Code-42

The print holiday option will print all holiday periods.

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Access Features

The number of Access Modules that can be connected depends on the panel variant:

Feature	PX18	PX34	PX80	PX500
Access Modules	2	2	16	32

The table shows the access features across the panel range.

Feature	PX18	PX34	PX80	PX500
Doors	2	2	16	32
Panel Users	20	40	100	200
Access Users	20	40	1000	1000
User expiry dates	X	X	✓	✓
Challenged user option	X	X	✓	✓
User lock out from keypad	X	X	✓	✓
Door lock/unlock from keypad	✓	✓	✓	✓
Programmable unlock time	✓	✓	✓	✓
Programmable Aux. relay time	✓	✓	✓	✓
Anti pass back	✓	✓	✓	✓
Access log events	1000	1000	1000	1000
Access log real time print	✓	✓	✓	✓
Set & unset	✓	✓	✓	✓

Note: The panel users must be the first users in the system. For example on the PX 500 users 2-200 may be access or panel users, users 201-1000 can only be access users and user 1 is always the engineer.

The PX access control system can be configured through a security system keypad or a PC running GuardStation™ Access. Guardall PX proximity tokens may only be introduced to the system through a PX keypad with an integrated proximity reader.

The Access Module door input may be programmed as a circuit. Refer to the Input Map option for details.

Access System	Security System Integration
----------------------	------------------------------------

1. The door contact may be programmed as a security panel entry/exit circuit or be given any other circuit response.
2. An access system user can be programmed as a security system user.
3. The door may not be unlocked while the access module area is set. The access module area is the area that the door circuit is programmed for.
4. All doors may be programmed to open if a fire alarm is reported from the security system.
5. The door area may be set and unset from a Proximity reader.

Outputs on the security system may be programmed to follow the state of a door circuit.

Add User **Code-50**

When the Add User option is selected, the **first free user number** will be selected by the system and the normal user programming menu will be displayed.

User xxxx Present Card/Fob	<i>Present the card or fob for the new user</i>
---------------------------------------------	-------------------------------------------------

The user authority is automatically set to Access for all doors and the user text descriptor will be defaulted.

Delete User **Code-51**

When the Delete User option is selected, a range must be entered:

Delete User Frst ___ Lst ___	<i>Enter the first and last users number in the range 2-max user</i>
-----------------------------------------------	----------------------------------------------------------------------

Identify User **Code-52**

This option allows a user to be identified by presenting the card/fob.

Present Card/Fob	<i>Present the token or press X to exit.</i>
-------------------------	----------------------------------------------

If the card/fob is not used then a message will be displayed.

Code Not Used	<i>Present another token or press X to exit.</i>
----------------------	--------------------------------------------------

If the token is used then a message will be displayed.

User X “User Descriptor”	<i>The user number</i>
-------------------------------------------	------------------------

Further card/fobs may be presented and identified at any stage.

Door Unlock **Code-53**

Enter the door number:

Door Lock Menu	Options		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">Door-nn Door Unlock-Off</td> <td style="padding: 5px;"><i>On/Off</i></td> </tr> </table>	Door-nn Door Unlock-Off	<i>On/Off</i>	
Door-nn Door Unlock-Off	<i>On/Off</i>		

A door can be manually unlocked from a keypad. The door unlock off command is required to lock the door after indefinite unlock. If the door is locked it can still be opened by presenting a valid user card.

Door Lockout **Code-54**

Enter the door number:

Door Lock Menu	Options
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Door-nn Door Lockout-Off</div>	On/Off

The locked out door will remain locked and will refuse all access attempts until the lockout is removed. The door lockout can only be removed through this programming option. The door lockout will over-ride any user/door schedule permissions or otherwise immediately, and for the applied duration. Upon removal the door will be returned to its previous state (if that state still applies). Proximity reader LED's will show the door as locked out for the applied duration.

Door Text **Code-55**

A descriptor of up to 10 characters may be entered for each door. Refer to the user name section for details of how to change a descriptor.

Isolate Cct **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	<i>Enter the circuit number</i>
Circuit -x Normal	<i>The current state will be displayed</i>

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 Conc **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	<i>Enter the concentrator number</i>
Isol Conc-x Off	<i>The current state will be displayed</i>

When a concentrator is isolated it is ignored until the isolate is removed. Isolating a concentrator does not isolate circuits connected to the concentrator.

Cct Status

Code-89

The circuits that are on soak, bypassed or isolated can be displayed.

Cct Status
Normal

The display will scroll all circuits that are bypassed, isolated or shunted.

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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									

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

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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		

Number	Description	Location
Cct 25		
Cct 26		
Cct 27		
Cct 28		
Cct 29		
Cct 30		
Cct 31		
Cct 32		
Cct 33		
Cct 34		

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Users

Number	Name	Authority Level	Areas or Set Groups							
			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										

Number	Name	Authority Level	Areas or Set Groups							
			1	2	3	4	5	6	7	8
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

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