Guardall

PX

User Manual

Issue D

Contents

Introduction

The PX Electronic Intruder Alarm System is designed to provide secure protection for the 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.

Feature	PX18	PX34	PX80	PX500
Max. Panel Users	20	40	100	200
Max. Access Users	20	40	1000	1000
Tel Numbers	4	4	8	8
Schedules	4	4	16	32
Holidays	✗	14	14	14
Security Log Size	500	500	1000	1000
Access Log Size	1000	1000	1000	1000
Access Control Modules	2	2	16	32

Event Log

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 group is incorporated in the system, a group(s) can be configured by the installation engineer as a common group. A common group 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, circuit, concentrator and access control module can be programmed with a text description.

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 card or fob. An electronic key can only be used on a keypad variant with an electronic key interface. A proximity card or fob can only be used on a keypad variant with a proximity interface. The default PIN code for user 2 is **0202**. Throughout this manual user codes are only referred to as codes.

Operator Controls and Displays

System Keypads

2 x 16 character
LCD backlit display

Mains indicator

Optional electronic
key socket
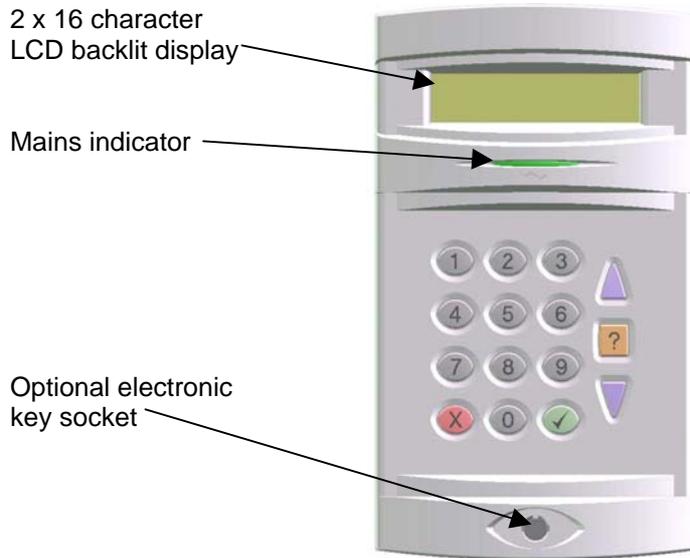
The operator keypad unit incorporates a backlit liquid crystal display (LCD) comprising 2 lines of 16 characters, and a backlit keypad to gain access to the system and to perform all authorised user functions. The backlighting will be turned on during the entry time, during code entry and while a user is logged on. It may also be turned on using any button except ✓ and ✗ and turned off using the ✓ or ✗ buttons. 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.

Keyswitch

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

Proximity Cards/Fobs

A user PIN code can be replaced by a proximity card or fob if the keypad is fitted with the optional proximity reader. All Guardall proximity cards and fobs are manufactured with a unique code and duplicate cards or fobs cannot be obtained. Spare or replacement cards or fobs can be obtained from the installation company.

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. The second user code must be entered within 2 minutes of the first user code.

Using the System

The LCD keypad will normally display the time, date and company name. If a valid code is entered the user menu will normally be displayed. The default manager code is 0202[1]. Enter this code followed by the ✓ button to log on.

12:00 Mon 27 Sep
Guardall ✓

0 2 0 2 ✓

02=Set
04=Test ✗ → **✓=Confirm LogOff**

05=Engineer
06=Code
07=User
08=Tel Number
10=Log-Full
11=Log-Cct
12=Log-User
13=Log-KP
14=Log-Date
15=Log-Alarm
20=Time
24=Holiday
25=Schedule
26=Group Text
28=Late Work
30=Bypass
32=Chime
52=Identify User
71=Copy User
89=Cct Status

Enter the 2 digit code to select an option

Use the ▲ and ▼ buttons to change the displayed options

Press ✓ to move quickly through the menu.

The menu options shown are for a manager user on a system without access control. The actual menu options available to a user will depend on the user authority, the system configuration and the current system status. Refer to appendix A for details. Only 2 options are visible on the display but any available option can be selected by entering the 2-digit code without viewing the actual option number. Each menu option is discussed in detail in this manual. If no option is selected the user will be automatically logged off after 2 minutes. If a chosen option is not available a reason will be displayed. Refer to appendix D for details. Information about the system may be displayed when logging on. Refer to appendix E for details.

Easy Set (PX18/34)

If your system is programmed with the easy set option then all PIN codes are 4 digits long and PIN codes can be entered without confirming with the ✓ button. A proximity card or fob may still be used in place of a PIN when easy set is programmed.

Help

When the main user menu is on display press the help button (**?**) to display information about the system. There are 3 options.

---

[1] It is recommended that the manager code is changed from the default as soon as possible.

Option	Description
Remote Service	Select to connect to a remote service operator. Your alarm company may not support this feature.
Contract	The customer contract number is a 6-digit number programmed by the installation engineer that uniquely identifies your system.
Product Info	The product info option displays the control panel order code and firmware version number and, if fitted the SmartDial version number.

An authorised user can change some of the system parameters. When changing an item the help button can be used to display the allowed values.

Remote Service

Before using the remote service option you must obtain a number from your alarm company. When you need to use the remote service, you will be prompted to enter this number, and the panel will dial the alarm company. The alarm company will then be able to check the condition of your system and identify and resolve problems.
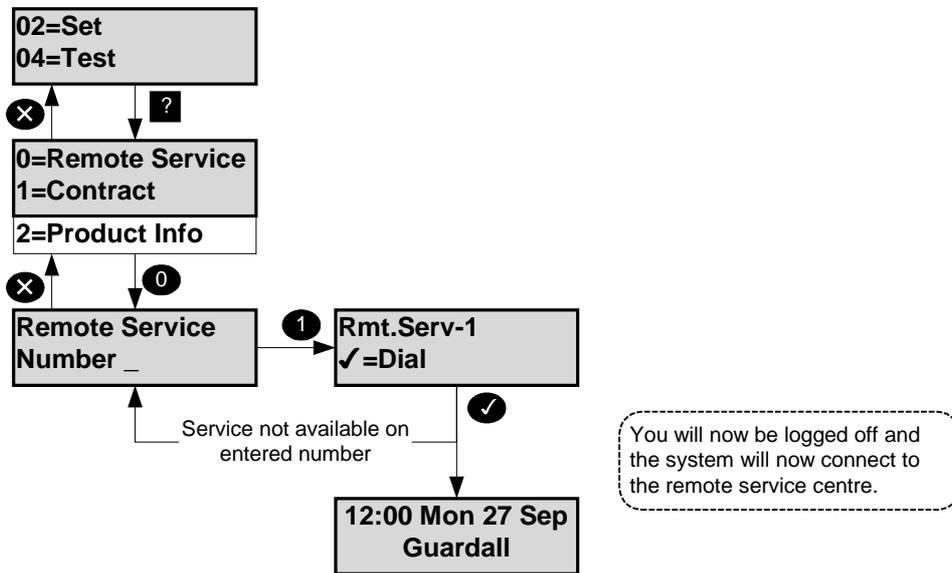
Incorrect Codes

If Easy Set is not programmed and an incorrect user code is entered, the incorrect code message will be displayed for a few seconds or until another key is pressed. The installation engineer will have programmed a limit on the number of incorrect code attempts that can be made. 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. Any attempt to enter a user code during the locked out period will extend the period by another 5 minutes.
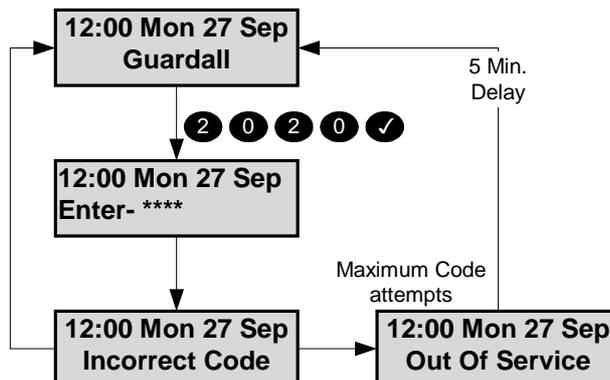
	Set	*Code-02*

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 ACM 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

Your installation engineer should advise which of the above options have been programmed on your system.

Setting from a keypad

12:00 Mon 27 Sep
Guardall

Log off after set programmed

❶ ❷ ❶ ❷ ✓

12:00 Mon 27 Sep
Enter- ****

Log on set programmed, one group available and no problems or warnings to display

Log on set programmed

02=Set
04=Test

❶ ❷ → **1=Workshop**
2=Office

❶ **Workshop**
Setting

Workshop
Seconds Left-005

Exit time expired

Workshop
Set

Log off after set not programmed
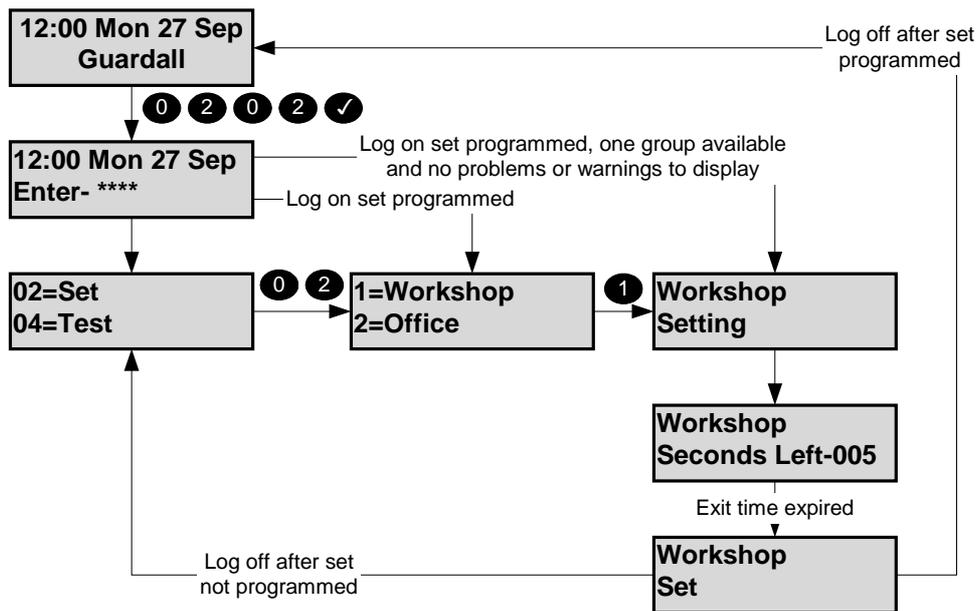
Keyswitch Setting

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 with Warnings

The system will automatically display any conditions that 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.

```
┌─────────────────┐
│1=Workshop       │ ◀────────── ⊗
│2=Office         │
└─────────────────┘
        │ ①
        ▼
┌─────────────────┐
│Loading Door     │
│Isolated         │
└─────────────────┘
        │
        ▼
┌─────────────────┐
│✔=Set            │ ──────┐
└─────────────────┘
        │ ✔
        ▼
┌─────────────────┐
│Workshop         │
│Seconds Left-005 │
└─────────────────┘
```

The set warnings include:

1. Bypassed circuit(s)
2. Circuit(s) on soak test has failed (a special circuit test mode set up by the installation engineer)
3. Isolated circuit(s)
4. Line Fault (only when setting with telephone line fault is allowed)
5. Shunted circuit(s)
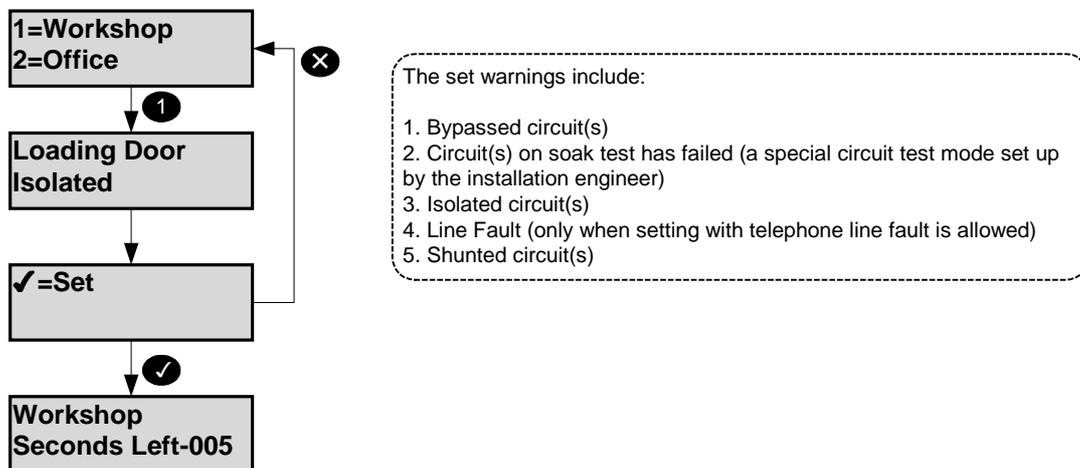
Easy Set

If easy set mode 1 is programmed then the system will start to part set when you log on. During the part set exit time, if the exit door circuit is opened and closed, the system will full set. Pressing the ✗ key during the setting time will cancel setting. If easy set mode 2 is programmed then the system can be set without logging on to a keypad. Up to 8 parts can be set in this way (depends on the control panel type). For example to set part 1 of your system from 1 + ✔. The system can be set by entering 0 + ✔.

Setting Faults

If the group cannot set a message will be displayed. This can occur at the start of setting or at the end of the exit time depending on how your system is set up and when the fault occurs. If a fault occurs during the exit time the exit tone will change to a warning tone. The external sounder may also have been programmed by the installation engineer to activate in the event of a failure to set.

```
1=Workshop
2=Office
```
⬇ ❶
```
Cannot Set
```
⬇
```
Cct Fault
PIR in Hall
```
⬇
```
✓=Force Set
```
⬇ ✓
```
PIR in Hall
Bypassed
```
⬇
```
✓=Set
```
⬇ ✓
```
Workshop
Seconds Left-005
```

> After the setting fault(s) is displayed the force set option may be presented (if programmed by the installation engineer). The force set option will attempt to automatically bypass all faults. The circuit(s) with the fault must be programmed to allow bypass.
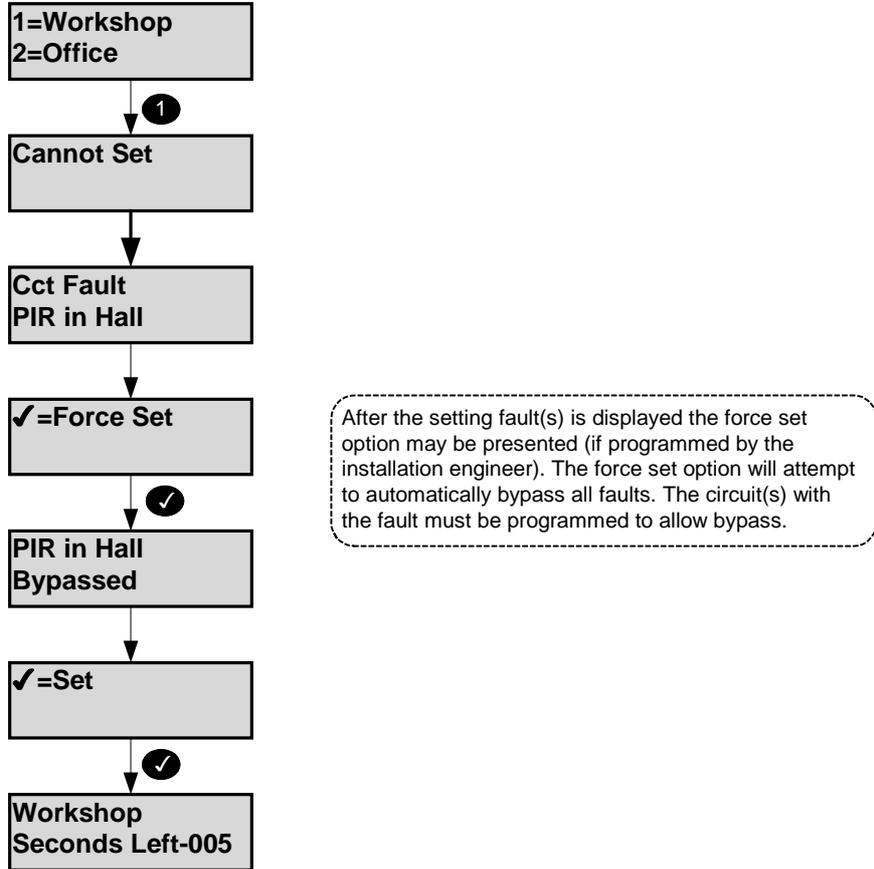
Setting Restrictions (PX 80/500)

The selected group is programmed with a set level and a lower level set group(s) has not been set. If a user attempts to set a high level set group when a lower level is not set then a warning message will be displayed.

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 which are discussed in the following section.

Unsetting 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 ACM Proximity Reader.

Your installation engineer should advise which of the above options have been programmed on your system.

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. To comply with the requirements of DD243 (2002), during the entry time, all alarms in the unsetting area(s) are ignored.

Unsetting from a keypad

Your installer may have set up your system to allow automatic unset when your user code is entered. The diagram shows all 3 possible unset scenarios when a user logs on to a keypad when area(s) are set.
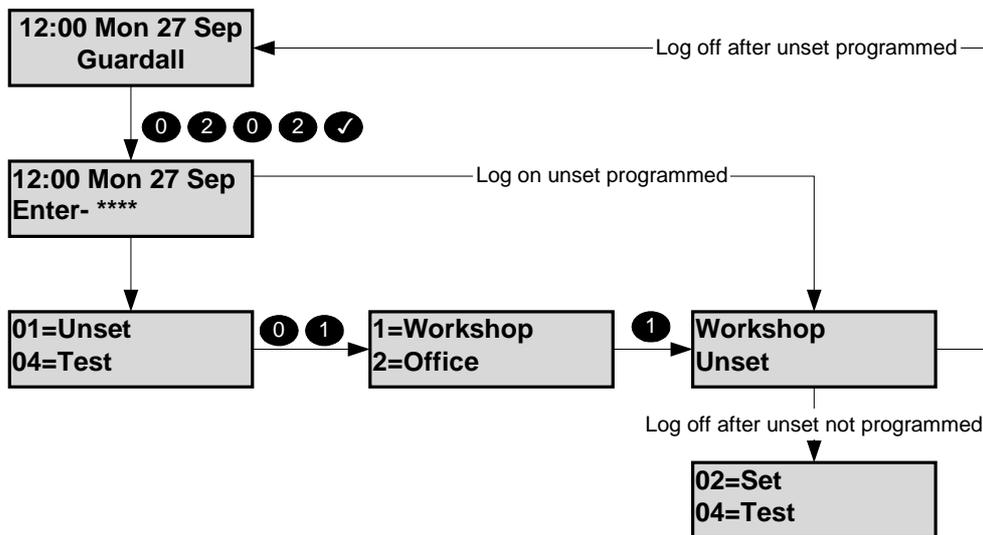
Unsetting from a keyswitch

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.

```
Workshop
Unset
```
↓
```
PIR in Store
Isolated
```
↓
```
02=Set
04=Test
```

The unset warnings are:

1. Bypassed circuit(s) (the circuit must have a 24hr response)
2. Circuit(s) on soak test has failed (a special circuit test mode set up by the installation engineer)
3. Isolated circuit(s)
4. Line Fault (only when setting with telephone line fault is allowed)
5. Shunted circuit(s)
6. Circuit has reached the programmed multiple alarm limit

Unsetting Restrictions (PX80/500)

The selected group is programmed with a set level and a higher level set group(s) has not been unset. If a user attempts to unset a high level set group when a lower level is set then a warning message will be displayed.

<div style="background:black; color:white;">

Reset *Code-03*

</div>

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

```
┌─────────────────┐
│ Workshop        │
│ Unset           │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│ Alarm           │◄───────┐
│ PIR in Office   │        │
└─────────────────┘        │
         │    Alarm cannot be reset
         ▼                 │
┌─────────────────┐        │
│ ✓=Reset         │────────┘
└─────────────────┘
         │
        (✓)
         ▼
┌─────────────────┐
│ 01313333802     │
│ Code:123456     │
└─────────────────┘
         │
        (✗)
         ▼
┌─────────────────┐
│ 02=Set          │
│ 04=Test         │
└─────────────────┘
```

If your system is programmed for engineer reset a telephone number and code will be displayed. Call this number and quote your code. if your system is configured for managed reset you will be given a code to reset your system. This code can only be used once.

If an engineer reset is required, it will not be possible to set the system.

<div style="background:#cccccc;">

Managed Reset

</div>

If the system is programmed for managed reset and an engineer reset is required contact the alarm installation company. You will be issued with a special 6-digit PIN code. This PIN code can be used only once to reset the system. Enter the PIN to clear the engineer reset condition.

```
┌─────────────────┐
│ 12:00 Mon 27 Sep│◄───────┐
│   Guardall      │        │
└─────────────────┘        │
         │                 │
   reset code + (✓)        │
         ▼                 │
┌─────────────────┐        │
│ 12:00 Mon 27 Sep│        │
│ Enter- *****    │        │
└─────────────────┘        │
         │                 │
         ▼                 │
┌─────────────────┐        │
│ Reset OK        │────────┘
└─────────────────┘
```
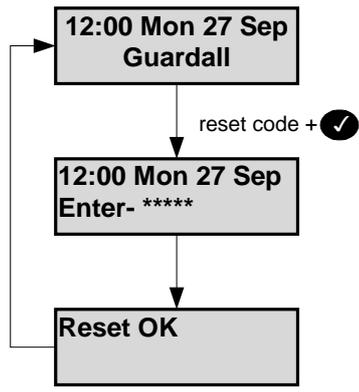
Test	*Code-04*

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.

```
04=Test
     ⊗ ↑    ↓  ⓿ ❹
Area
Number _
     ⊗ ↑    ↓  Enter Area
                Number
1=Sounder       ❶→  Sounder On    ⊗
2=Strobe
3=Audio
4=Walk Test     ❷→  Strobe On     ⊗
5=Comms Test
                ❸→  Audio On      ⊗

❹  PIR in Hall     →  Front Door      →  Walk Test
   Not Tested         Not Tested          All Tested

        Untested circuits          All circuits
        will be displayed          tested

❺  Tel Number 1    →  Tel Number 2
   Please Wait . . .   Please Wait . . .    All numbers
                                            Tested
        Acknowledge
        received
```
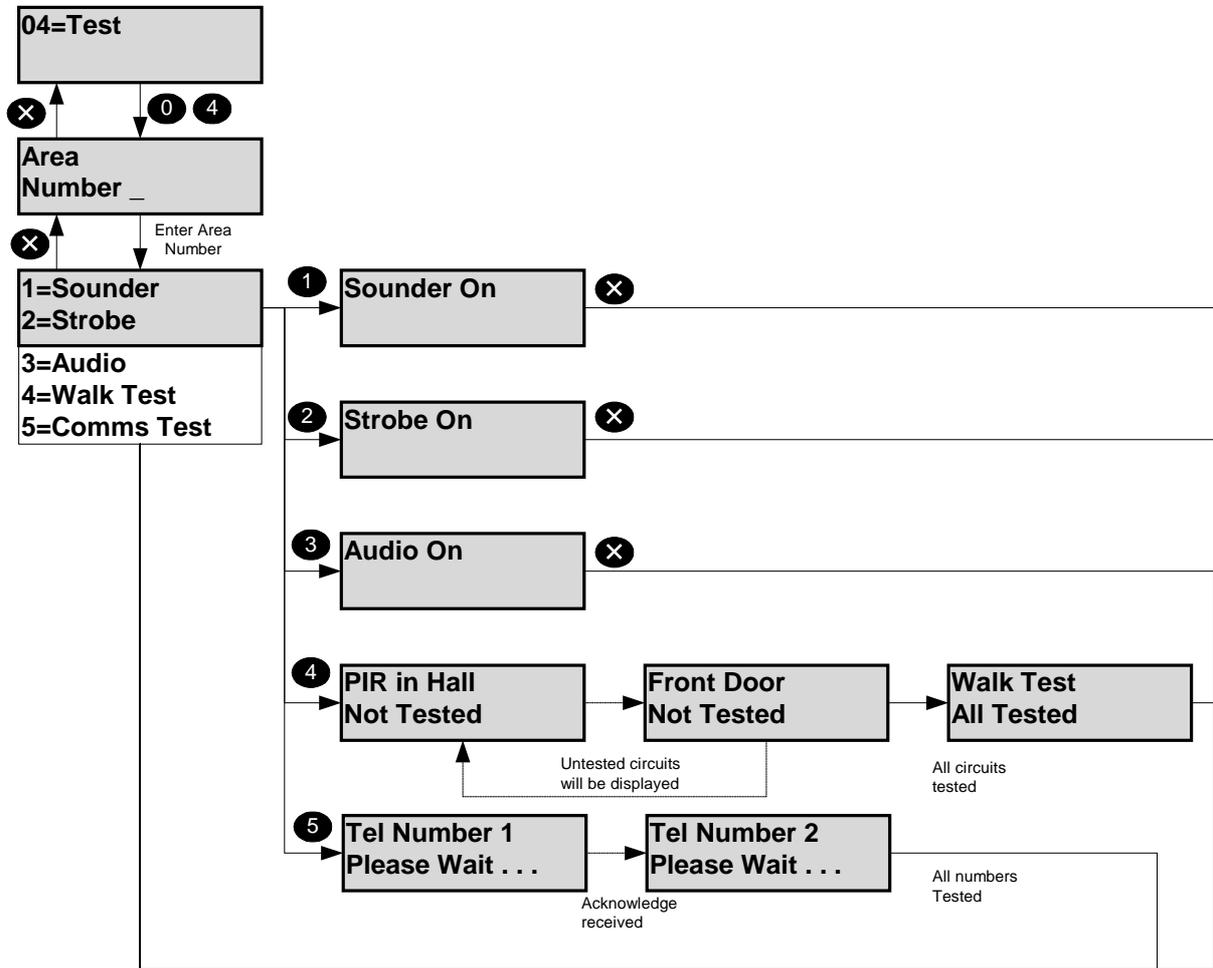
The panel records all activations from sensors during the unset period. When walk test is selected the panel will display all circuits which have not alarmed since the panel was last unset. If all circuits are to be tested then select walk test, then press the ✗ button and select walk test a second time. When the panel exits walk 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.

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.

```
┌──────────────────┐
│ 05=Engineer      │
└──────────────────┘
         │  ⓪ ⑤
         ▼
┌──────────────────┐
│    Engineer      │
│    Guardall      │
└──────────────────┘
         │  ❌  or time out (2 minutes)
         ▼
┌──────────────────┐
│ 12:00 Mon 27 Sep │
│    Guardall      │
└──────────────────┘
```

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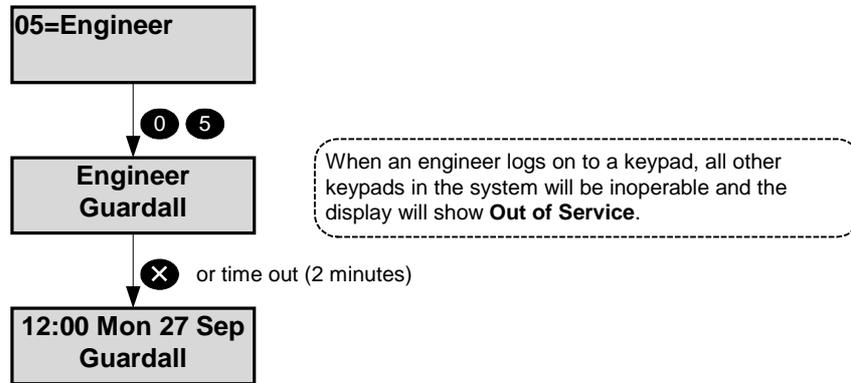
Once logged on the engineer working time is limited to 8 hours.

Code *Code-06*

All users on the system are identified by a code. A user code can be a PIN code (4-6 digits), an electronic key or proximity card or fob. 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. 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. If a suitable keypad is used then the user code may be changed to either an electronic key or proximity card or fob. 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 proximity card or fob then present the card or fob when the system prompts for a code. When using a proximity card or fob you will not be prompted to re-enter the code. In the example shown the user changes code to 1234.

```
                    ┌──────────────────┐
                    │ 06=Code          │◄─────────────────────┐
                    └──────────────────┘                      │
  Proximity token      │  ⓪ ⑥                      Code OK    │
  presented            ▼                                      │
┌──────────────────┐ ① ② ③ ④ ✓ ┌──────────────────┐         │
│ New Code         │────────────►│ Re-enter Code    │         │
│ Enter-           │             │ Enter-           │         │
└──────────────────┘             └──────────────────┘         │
  Code not unique │                Code not the same │        │
                  ▼                                   ▼        │
┌──────────────────┐             ┌──────────────────┐         │
│ New Code         │             │ New Code         │         │
│ Not Available    │             │ Does not Match   │─────────┘
└──────────────────┘             └──────────────────┘
```
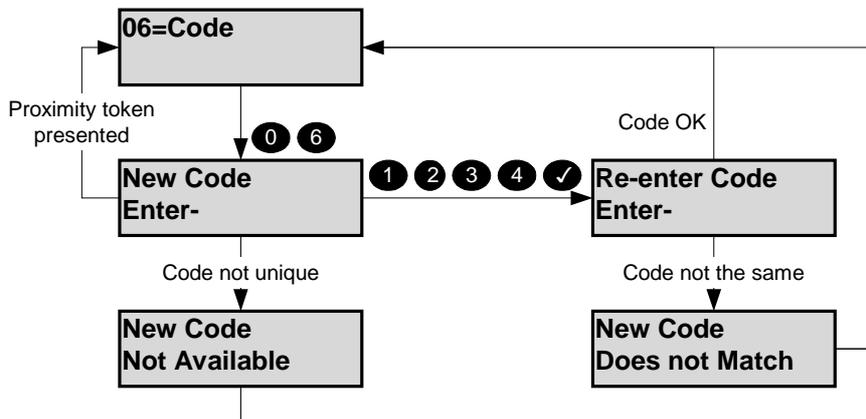
If another user on the system already uses the chosen PIN code then that user will be alerted when next logging on to the system. The user whose PIN is known must change PIN code to avoid seeing the warning message on every log on.

User	*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 in the range 2-max users. In the programming example user 3 is used.

```
07=User
```
✗ ↑   ↓ ⓪ ⑦
```
User
Number ____
```
✗ ↑   ↓ ③ ✓
```
1=Name
2=Code

3=Authority
4=ACM Authority
5=Schedule
6=Lockout
7=Expiry Date
```
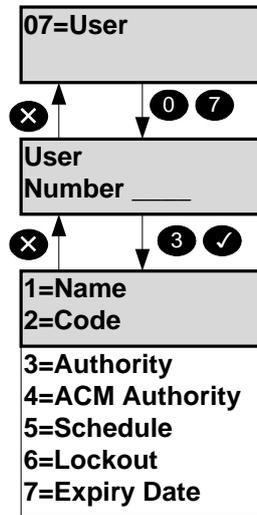
The user 2 configuration may only be changed by user 1 or user 2. Access system users can be added quickly using the "Add User" menu option (50).

User Menu	**Name**	*Code-1*

When the name option is selected the current user descriptor will be displayed and can be edited. Refer to appendix B for details. User names can be up to 10 characters long.

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

For details of changing a code refer to the main menu code change option. The default user codes are shown in the table.

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

```
1=Name        New Code       Re-enter Code
2=Code        Enter-         Enter-
              
3=Authority   Code not unique   Code not the same   Code OK
4=ACM Authority
5=Schedule    New Code       New Code
6=Lockout     Not Available  Does not Match
7=Expiry Date
```
Proximity token presented
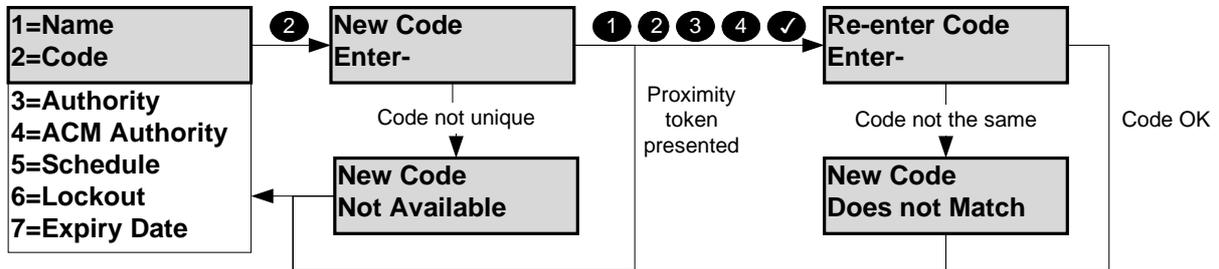
User Menu	Authority	Code-3

Users can be programmed with a number of options including authority level, group access and timed access. The available menu options are dependent on the programmed user authority. Refer to the menus options section for details of the menu options available to each authority level

Option	Range	Description
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.
LogOnSet	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.
Schedule 1, 2	On/Off	This is a PX18/34 option only. A user can be programmed with schedule 1 and/or schedule 2 to control access times. The timer and holiday schedules may also be programmed.
Set group 1, max	On/Off	A user can be programmed any combination of set groups.
ACM 1, 2	On/Off	This is a PX18/34 only option. If ACMs are fitted to the system then a user can be authorised for access through ACM doors 1 and/or 2.
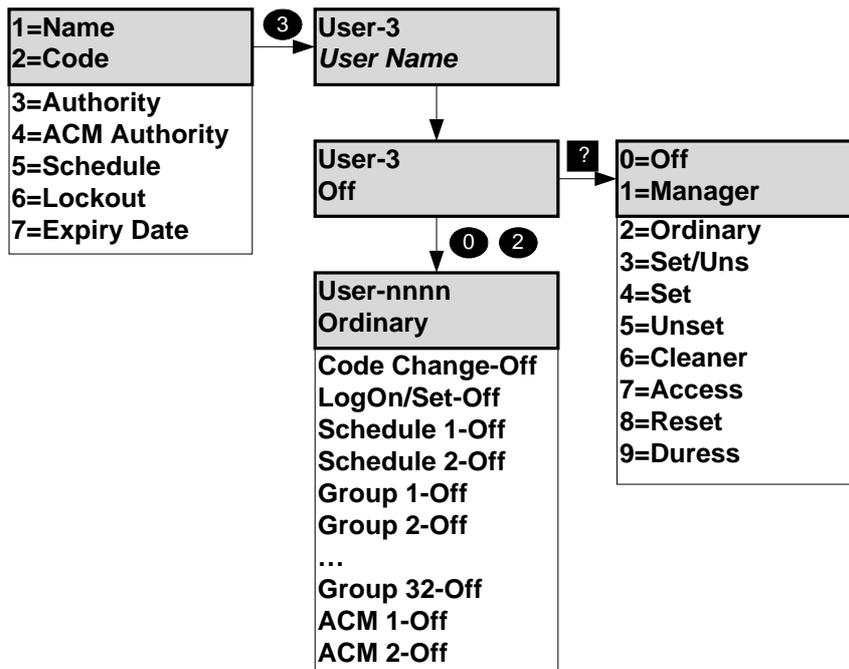
User Menu	ACM Authority (PX80/500)	Code-4

This option will only be available if at least one ACM is fitted to the system.

Option	Range	Description
Enable	On/Off	If this option is off no user ACM options will be displayed.
ACM 1 - maximum	On/Off	A user can be authorised for access through any combination of ACM doors.
Challenged	On/Off	If a user is programmed as challenged then the ACM door release and open times will be automatically doubled for the user.
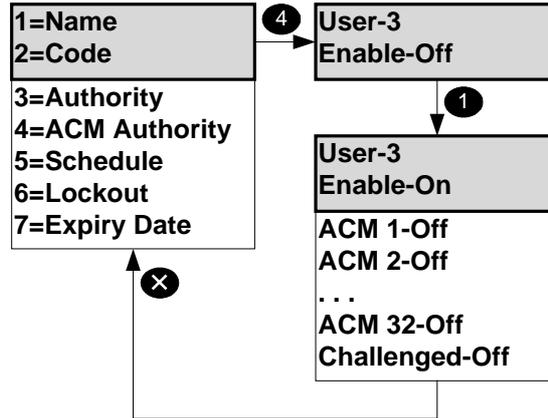
User Menu	Schedule (PX80/500)	Code-5

A user can be programmed with a schedule to control access times. Program 00 to allow 24hr access.
The schedules can be programmed using option 25.

User Menu	Lockout (PX80/500)	Code-6

This option will only be available if at least one ACM is fitted to the system. If the lockout option is on for a user then the user code will be ignored until the lockout is turned off.

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

Expiry dates can be programmed for all users (panel and access users).
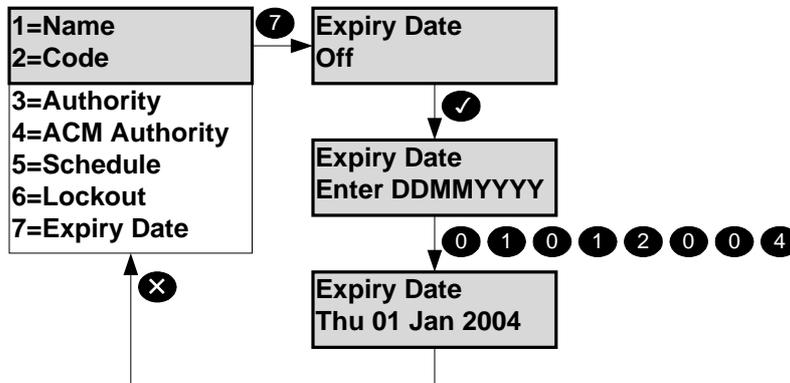
To delete an expiry date, enter the day and month of 0000 and the current year.

Tel Number	*Code-08*

An authorised user can change any telephone number that has been programmed to use the speech format. This format is only available if SmartDial Speech dialler is fitted to the system. A telephone number of up to 16 digits can be programmed. This number can include pause digits. Pause digits can be entered using the ↑ button. This will be displayed as a "," character. Each pause digit represents a 1 second delay. Pauses may be required if you are signalling via a PABX or if the call is routed through an old exchange. Enter a single zero to turn off a telephone number.

```
              ┌─────────────────────┐
              │ 08=Tel Number       │
              │                     │
              └─────────────────────┘
           ✗  ↑  │ 0  8
              ┌───▼─────────────────┐◄──────────────┐
        ✗  →  │ Tel Number          │               │
              │ Number _            │               │
              └─────────────────────┘               │
                     │                               │
                     │        the number is not used │
                 1   │        for speech messages    │
              ┌──────▼──────┐   ┌───────────────────┐
              │ Tel Number-1│   │ Not Available     │
              │ 01313332900 │   │ No Authority      │
              └─────────────┘   └───────────────────┘
                     │     enter the
                     │     telephone number+  ✔
              ┌──────▼──────┐
        ┌─────│ Tel Number-1│
        │     │ 01313333802 │
        └─────└─────────────┘
```
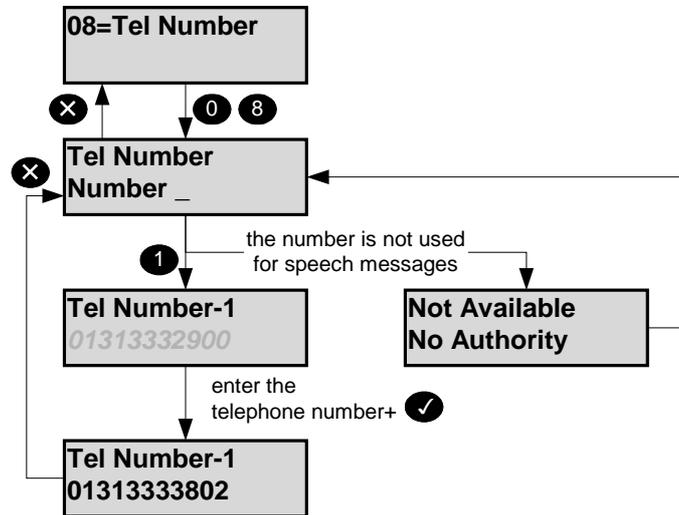
Logs

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 index). The event index will be reset to 0 when more than 65535 events have been recorded. There are 2 logs, the security log and, if an ACM(s) is fitted, an access log. Each log can be viewed in full or filtered form on a keypad and printed if a printer is connected to the system. Options 16-18 will only be displayed if there is at least one ACM on the system.

```
┌─────────────────┐   ① ⓿       ┌──────────────┐   ①      ┌─────────────┐
│ 10=Log-Full     │              │ 1=Display    │─────────▶│ PIR in Hall │
│ 11=Log-Cct      │              │ 2=Print      │          │ Bypassed    │
├─────────────────┤   ① ①       └──────────────┘          └─────────────┘
│ 12=Log-User     │──▶┌──────────┐                               │ [?]
│ 13=Log-KP       │   │ Circuit  │                         ┌─────────────┐
│ 14=Log-Date     │   │ Number-__│                         │ 12:00:00 Cct1│
│ 15=Log-Alarm    │   └──────────┘                         │ Bypassed    │
│ 16=A/Log Full   │   ① ②                                 └─────────────┘
│ 17=A/Log User   │──▶┌──────────┐                               │ [?]
│ 18=A/Log Door   │   │ User     │                         ┌─────────────┐
└─────────────────┘   │ Number-___│                        │ Fri 3 Jan 2003│
                      └──────────┘                         │ 00071       │
                      ① ③                                 └─────────────┘
                   ──▶┌──────────┐                               │ [?]
                      │ Keypad   │                         ┌─────────────┐
                      │ Number-__│                         │ U2 Cct1     │
                      └──────────┘                         │ Bypassed    │
                      ① ④                                 └─────────────┘
                   ──▶┌──────────┐                               │ [?]
                      │ Filter Date│
                      │ Enter-DDMMYYYY│
                      └──────────┘
                      ① ⑤
                      ① ⑥
                      ① ⑦
                   ──▶┌──────────┐
                      │ User     │
                      │ Number-___│
                      └──────────┘
                      ① ⑧
                   ──▶┌──────────┐
                      │ Door     │
                      │ Number-__│
                      └──────────┘
```

Use the [?] button to change the display view of an event and the ▲▼ buttons to change the event being displayed. When an event is printed all the event data is printed.

②

```
┌──────────────────────────────────────────────────────────────────────┐
│ 00001 Mon 07 Apr 2003 00:00:02 User 2 (Mr Smith) Logged On on KP 0    │
└──────────────────────────────────────────────────────────────────────┘
```

Event index   Event date   Event time   Event details

Refer to the appendix C for details of all log messages.

## Time   *Code-20*

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 changes are recorded in the event log.

```
┌──────────┐  ② ⓿  ┌──────────┐
│ 20=Time  │───────▶│ Time     │◀──────────────┐
│          │        │ 12:00    │               │
└──────────┘        └──────────┘        Change greater
     ▲                    │ ✓          than 75 minutes
     │              ┌──────────┐        ┌──────────────┐
     │              │ Time     │───────▶│ Out of Range │
     │              │ Enter HH:MM│      └──────────────┘
     │              └──────────┘
     │                 ① ③ ⓿ ⓿
     │        ✖  ┌──────────┐
     └───────────│ Time     │
                 │ 13:00    │
                 └──────────┘
```
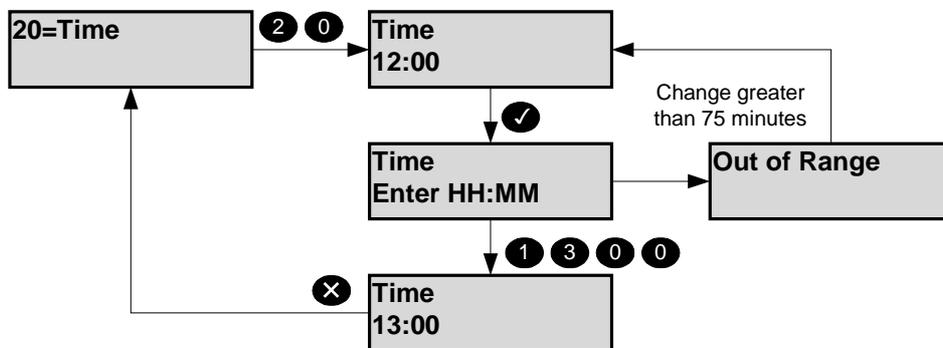
Holiday *Code-24*

The programmed holidays are used in conjunction with the programmable schedules. 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 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.

```
┌─────────────────┐
│ 24=Holiday      │
└─────────────────┘
         │  ②  ④
         ▼
┌─────────────┐  ⓪ ①  ┌─────────────┐       ┌─────────────┐
│ Holiday     │───────▶│ Holiday 1   │──────▶│ Holiday 1   │
│ Number __   │        │ Start-Off   │       │ Enter DDMM  │
│             │        ├─────────────┤◀──────┤             │
│      ⊗      │        │ End-Off     │       └─────────────┘
└─────────────┘        │ Set Group-00│
                       └─────────────┘
```
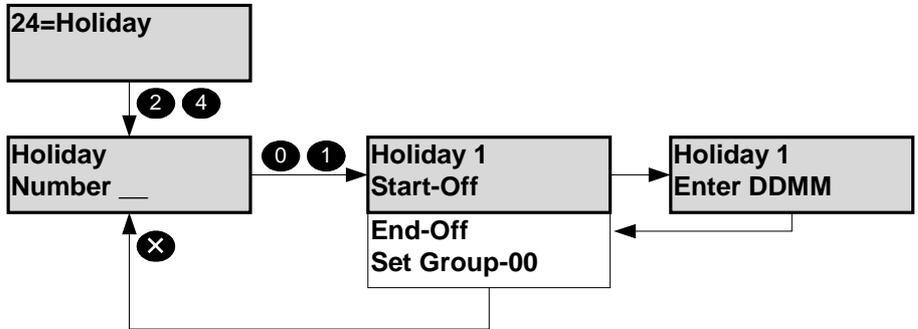
To disable a holiday enter a date of 00:00. The start and end dates must be in chronological order. Holidays may be optionally programmed to apply to individual set groups

Schedule (PX18/34) *Code-25*

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

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

```
┌─────────────────┐
│ 25=Schedule     │
└─────────────────┘
         │  ②  ⑤
         ▼
┌─────────────┐  ①   ┌──────────────────┐     ┌─────────────┐
│ Schedule    │─────▶│ Schedule 1       │────▶│ Schedule 1  │
│ Number _    │      │ Start Time-00:00 │     │ Enter HH:MM │
└─────────────┘      ├──────────────────┤     └─────────────┘
                     │ Stop Time-00:00  │
                     │ Mon-Off          │
                     │ Tue-Off          │
                     │ Wed-Off          │
                     │ Thu-Off          │
                     │ Fri-Off          │
                     │ Sat-Off          │
                     │ Sun-Off          │
                     │ Hol-Off          │
                     └──────────────────┘
```
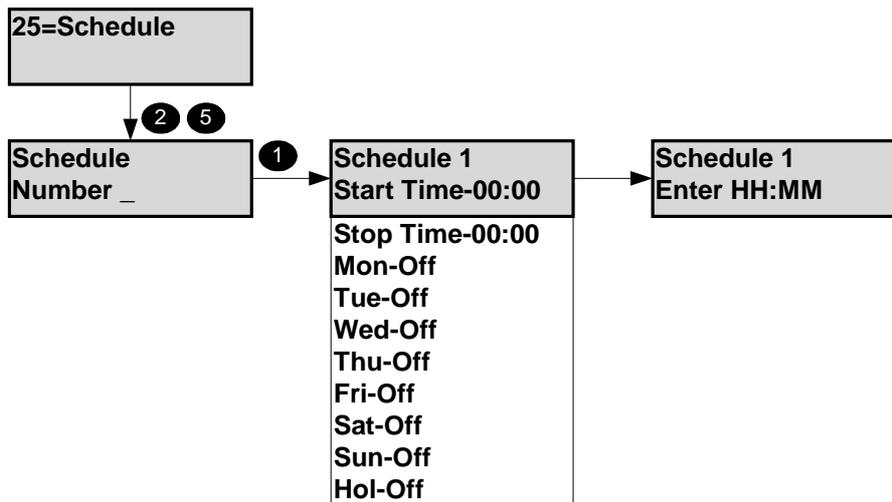
Schedule (PX80/PX500) — Code-25

A schedule consists of 4 times for each day of the week and 4 times for days which are holidays. 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

```
25=Schedule
     │ 2 5
     ▼
Schedule
Number __
     │ 0 1
     ▼
1=Mon          1    Schedule 1 Mon        Schedule 1 Mon
2=Tue    ──────────▶ Start 1-00:00   ────▶ Enter HH:MM
3=Wed               Stop 1-00:00
4=Thu               Start 2-00:00
5=Fri               Stop 2-00:00
6=Sat
7=Sun
8=Hol
```
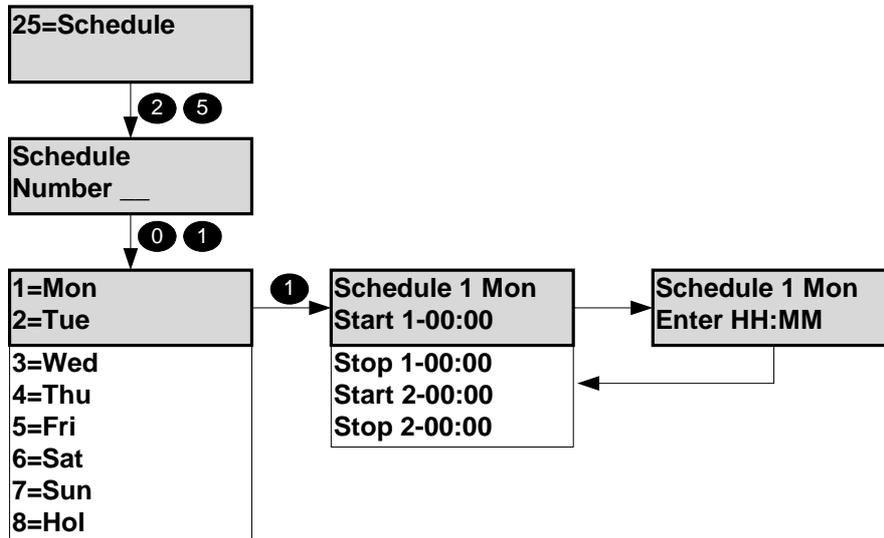
Set Group — Code-26

A descriptor of up to 10 characters may be entered for each set group. Refer to appendix B for details of how to change a descriptor.

Late Work (PX80/500) — Code-28

The late working option will only be displayed if at least one set group is programmed with a schedule and late working has not been already selected. When the late working option is selected a list of all available set groups will be displayed. The late work time can be any time, including times after midnight. All late working actions are logged.

```
28=Late Work
   ✕│  │ 2 8
    ▲  ▼
✕  1=Perimeter
   2=Vault
     │ 1
     ▼
Late Work          Late Work
00:00        ────▶ Enter HH:MM
                     1 9 0 0
Late Work    ◀────
19:00
```
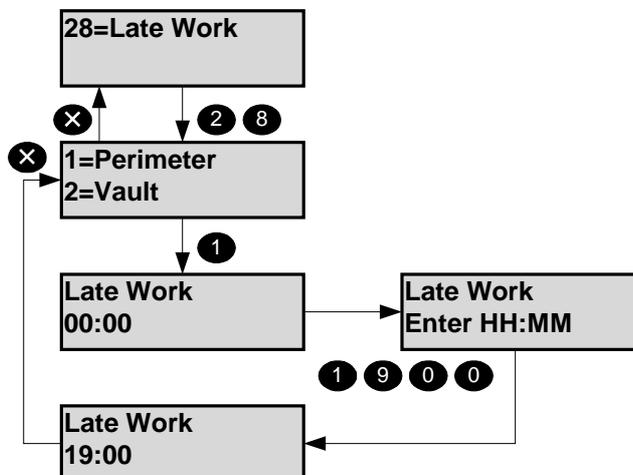
Bypass *Code-30*

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. 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.
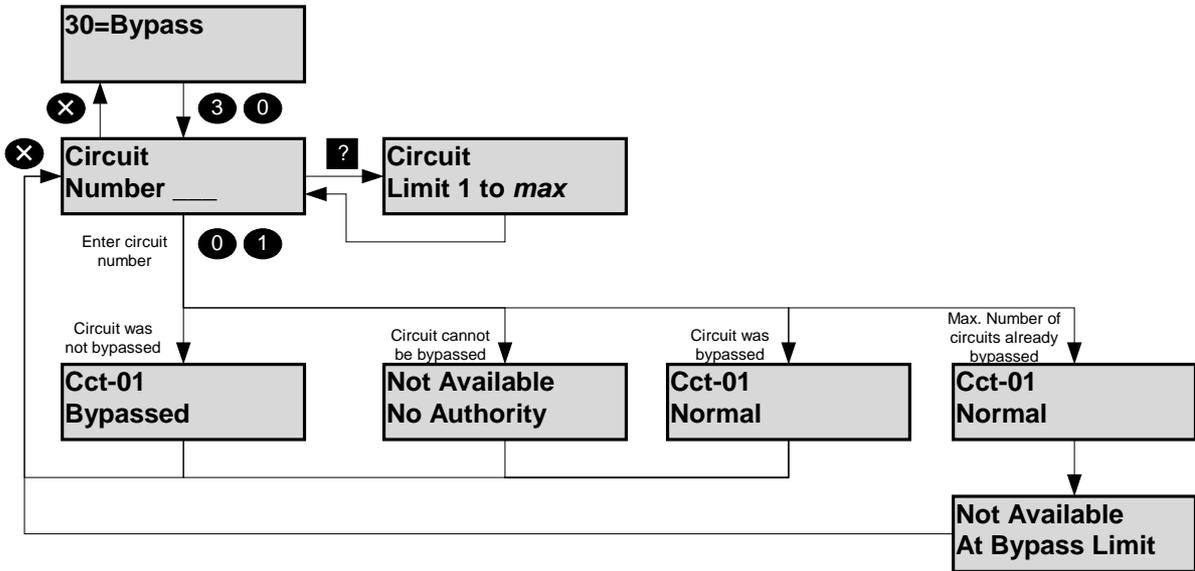
Chime	Code-32

Certain circuit types can be selected as chime circuits when unset. To select the chime function for a circuit, enter the circuit number. In the example chime is turned on for circuit 1.

32=Chime

Circuit Number ___

Circuit-1 Front Door

Press any button

Circuit-1 Chime-Off

Circuit-1 Chime-On
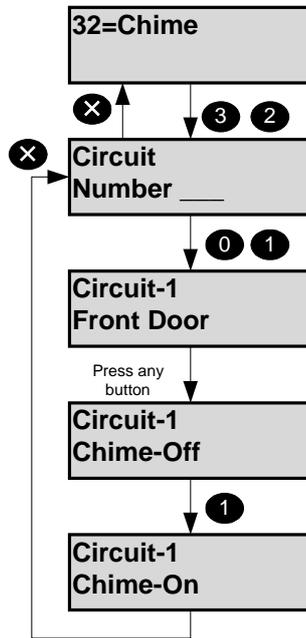
Print Text	Code-40

This option will only be available if a printer is connected to the system. The print text option will print all text descriptors.

Print Hols.	Code-42

This option will only be available if a printer is connected to the system. The print holiday option will print all holiday periods.

Identify User	Code-52

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

```
┌─────────────────────┐
│ 52=Identify User    │
└─────────────────────┘
    ⊗↑    ❺ ❷↓
┌─────────────────────┐
│ Present Card/Fob    │
└─────────────────────┘
```

─── User 3 fob presented ───

Unused card/fob presented

```
┌─────────────────────┐     ┌─────────────────────┐
│ Code Not Used       │     │ User 3              │
│                     │     │ J Smith             │
└─────────────────────┘     └─────────────────────┘
```

User 20 fob presented

```
┌─────────────────────┐
│ User 20             │
│ J Black             │
└─────────────────────┘
```

Copy User	Code-71

```
┌─────────────────────┐
│ 71=Copy User        │
└─────────────────────┘
   ⊗↑    ❼ ❶↓
┌─────────────────────┐
│ Copy User ____      │
│ ____ - ____         │
└─────────────────────┘
```

Enter the user to copy here.

Enter the first and last user in the copy range here.
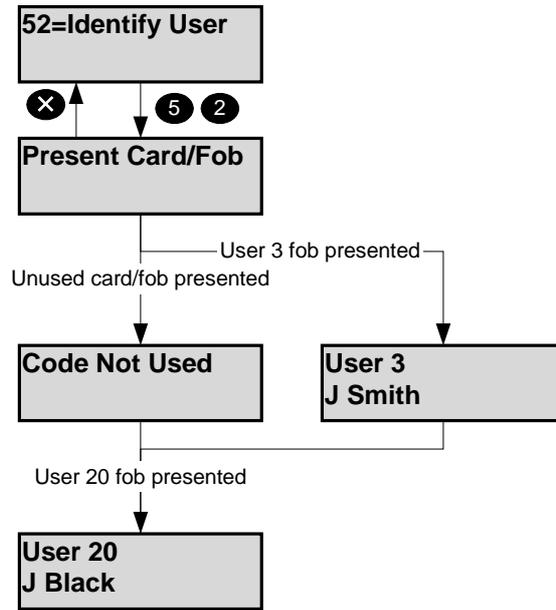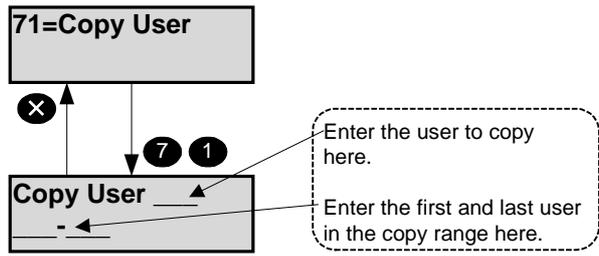
To copy a single user, enter the same user number as the first and last.

Copy A/User (PX80/500)	Code-73

This option will only be available if at least one ACM is fitted to the system.

```
┌─────────────────────┐
│ 73=Copy A/User      │
└─────────────────────┘
   ⊗↑    ❼ ❸↓
┌─────────────────────┐
│ Copy A/User ____    │
│ ____ - ____         │
└─────────────────────┘
```

Enter the user to copy here.

Enter the first and last user in the copy range here.
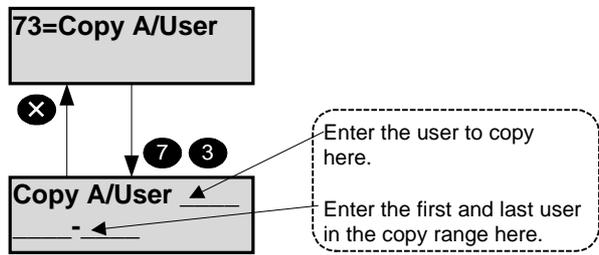
To copy a single user, enter the same user number as the first and last.

Cct Status

Code-89

```
89=Cct Status        ⊗
```

⊗

8 9

```
Cct Status          Cct 1
Normal              Bypassed
```
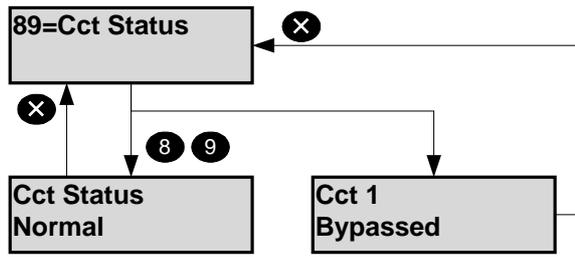
When the Cct Status option is selected the circuits that are on soak test, bypassed, isolated or shunted will be scrolled on the display.

Access Features

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

The table shows the access features across the panel range.

Feature	PX18	PX34	PX80	PX500
ACMs	2	2	16	32
Panel Users	20	40	100	200
Access Users	20	40	1000	1000
User expiry dates	✗	✗	✓	✓
Challenged user option	✗	✗	✓	✓
User lock out from keypad	✗	✗	✓	✓
ACM 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 cards or fobs may only be introduced to the system through a PX keypad with an integrated proximity reader. The ACM door input may be programmed as a circuit. Refer to the Input Map option for details.

Access System — **Security System Integration**

1. The ACM door contact may be programmed as a security panel entry/exit circuit or be given any other circuit response.
2. An access control user can be programmed as a security system user.
3. The ACM door may not be unlocked while the ACM area(s) is set.
4. All ACM doors may be programmed to open if a fire alarm is reported from the security system.
5. The ACM set group may be set and unset from a Proximity reader.
6. Outputs on the security system may be programmed to follow the state of an ACM door circuit.

Add A/User
Code-50

This option will only be available if at least one ACM is fitted to the system.

50=Add A/User

User 3
Present Card/Fob

Valid Card/Fob read

User 4
Present Card/Fob

The first free user number is displayed

The user number is automatically incremented when a valid card/fob is presented.
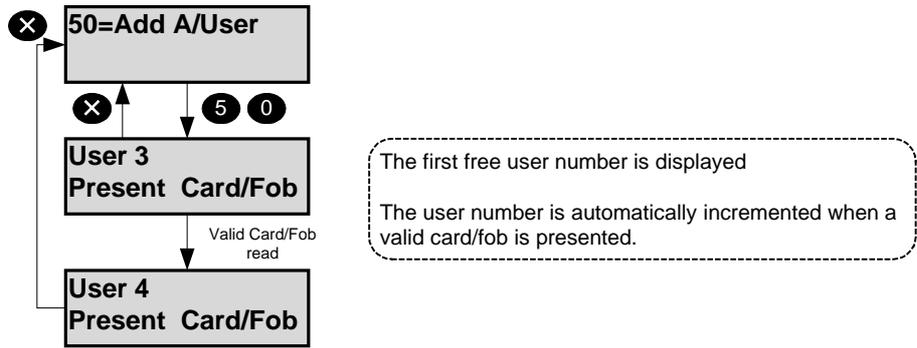
The user authority is automatically set to Access for all ACM doors and the user text descriptor will be defaulted. If required the user authority can be changed using the edit user option.

Delete User
Code-51

This option will only be available if at least one ACM is fitted to the system. In the example shown user 3 is deleted from the system.

51=Delete Users

Delete Users
____-____

Delete Users
3___-____

Delete Users
3___-3___

Enter the range of users to delete. To delete a single user, enter the user number twice. User numbers can be entered without leading zeros.
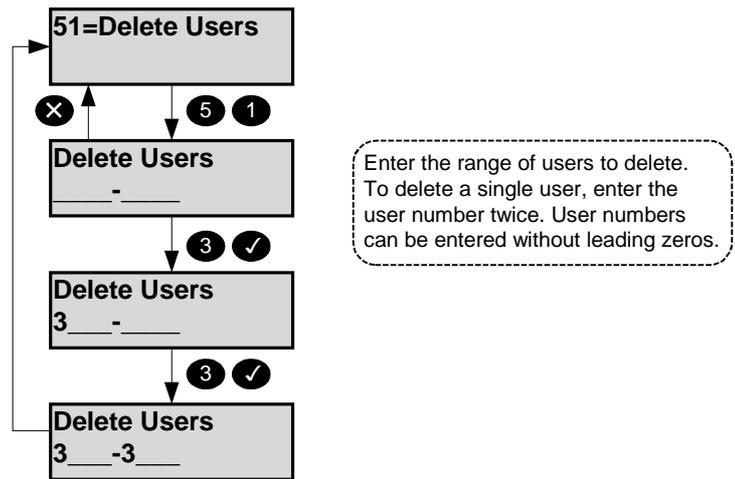
## Door Unlock <div align="right">*Code-53*</div>

This option will only be available if at least one ACM is fitted to the system. An ACM door can be manually locked/unlocked from a keypad. An optional unlock time of up to 255 minutes can be programmed. If a time of zero is programmed the door will remain unlocked until the unlock option is turned off. While a door is locked it can still be opened by presenting a valid user card.

```
        ┌─────────────────────┐
        │ 53=Door Unlock      │
        └─────────────────────┘
       ✖ ↑        ↓ 5  3
        ┌─────────────────────┐
        │ Door                │
        │ Number _            │
        └─────────────────────┘
       ✖ ↑        ↓ 1
        ┌─────────────────────┐  1   ┌─────────────────────┐
        │ Door 1              │─────▶│ Door 1              │
        │ Door Unlock-Off     │      │ Door Unlock-On      │
        ├─────────────────────┤      └─────────────────────┘
        │ Unlock Time-000     │◀─────────────┘
        └─────────────────────┘
```
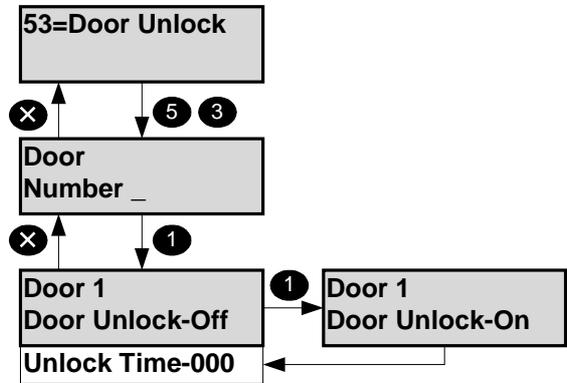
Door Lockout <div align="right">*Code-54*</div>

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

```
        ┌─────────────────────┐
        │ 54=Door Lockout     │
        └─────────────────────┘
       ✖ ↑        ↓ 5  4
        ┌─────────────────────┐
        │ Door                │
        │ Number _            │
        └─────────────────────┘
       ✖ ↑        ↓ 1
        ┌─────────────────────┐  ?   ┌─────────────────────┐
        │ Door 1              │─────▶│ 0=Off               │
        │ Door Lockout-Off    │      │ 1=On                │
        └─────────────────────┘      └─────────────────────┘
              ↓ 1
        ┌─────────────────────┐
        │ Door 1              │
        │ Door Lockout-On     │
        └─────────────────────┘
```
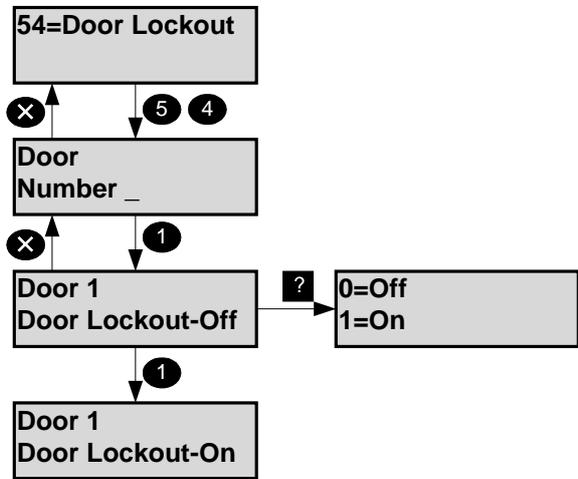
ACM Text <div align="right">*Code-55*</div>

A descriptor of up to 10 characters may be entered for each ACM. Refer to the appendix B for details of how to change a descriptor.

Appendix A – User Authorities

All user options with the appropriate authority level are shown in the table.

| Code	Menu Option	Manager	Ordinary	Set/Uns	Set	Unset	Cleaner	Access	Reset	Duress	ATM	Log	Bank Reset
01	Unset	✓	✓	✓	✗	✓	✓	✗	✗	✓	✓	✗	✗
02	Set	✓	✓	✓	✓	✗	✓	✗	✗	✗	✓	✗	✗
03	Reset	✓	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	✓
04	Test	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
05	Engineer	1	1	1	1	✗	✗	✗	✗	✗	✗	✗	✗
06	Code	✓	2	2	2	✗	✗	✗	✗	2	✗	✗	✗
07	User	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
08	Tel Number	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
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-ACM	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓
20	Time	3	3	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
24	Holiday	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
25	Schedule	7	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
26	Group Text	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
27	Minutes Left	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗
28	Late Work	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
30	Bypass	4	4	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
32	Chime	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
40	Print Text	5	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
42	Print Hols.	5	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
50	Add A/User	6	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
51	Delete User	6	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
52	Identify User	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
53	Door Unlock	6	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
54	Door Lockout	6	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
55	ACM Text	6	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
71	Copy User	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
73	Copy A/User	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
89	Cct Status	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Notes:
1. The Engineer option is not available to a user if the panel is programmed to allow the engineer to log on without user authorisation.
2. The code option for some users will only be available if configured as part of the user authority.
3. The time can only be changed by a user if programmed by the engineer. User time changes are limited to +/- 75 minutes.
4. The bypass option is only available if at least one circuit has been programmed to allow bypass.
5. The print options are only available of a printer is connected to the system.
6. The access options are only available if an ACM is fitted to the system
7. The schedule option is only available if programmed by the engineer.

Appendix B – Editing Text

A number of text descriptors may be changed by an authorised user. All changes to descriptors are logged.

Item	Max. Length	Default
User	10	User xx
Set group	10	Group x
Access control module	10	ACM x

When a descriptor is displayed the character being edited will be flashing (this is shown as a grey character in the diagram).

You can change a character using the numeric keys and/or use the ▼ and ▲ buttons to move through the text character set.

The allowed characters are:

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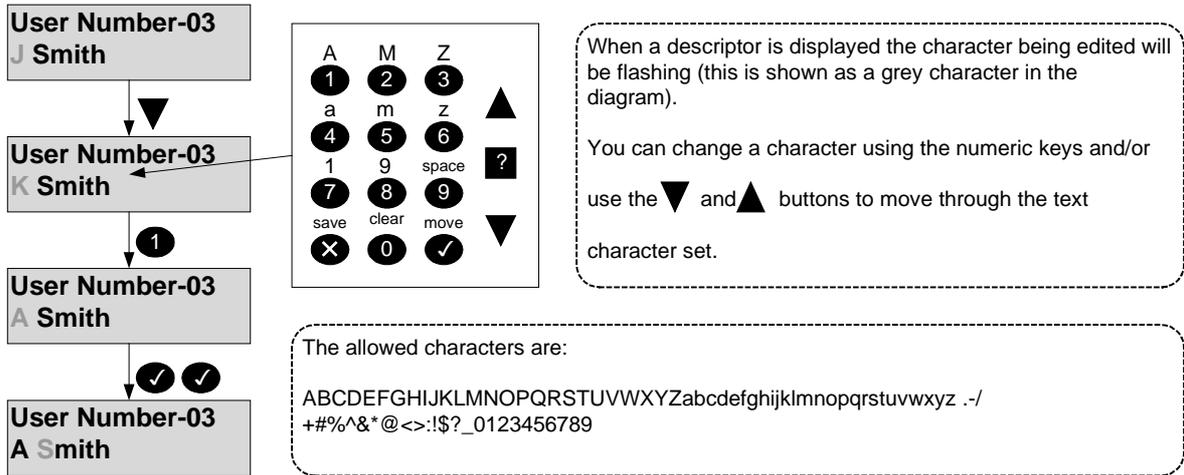
Appendix C - Log Messages

Alarm & Event Log messages			
Log Text	Additional Data	Display Text	Event Description
Alarm	Circuit *nnn*	Cct*nnn*	A Circuit alarm
Anti mask	Circuit *nnn*	Cct*nnn*	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 *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
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
Sndr Tamper	NONE	NONE	Panel sounder tamper
Tamper	*n*	*n*	Concentrator Tamper
Tamper	Circuit *nnn*	Cct*nnn*	A circuit tamper
Tamper	Keypad *n*	KP*n*	A keypad tamper
Tamper	SM *n*	SM*n*	A serial module tamper
Tamper	OM *n*	OM*n*	An output module tamper
Tamper	ACM *n*	ACM*n*	An ACM 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
A/Set Fault	User *nn*, Area *m*	Us*nn*, A*m*	An area auto set with faults
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 Check Fail	Circuit *nnn*	Cct*nnn*	A Circuit has failed to activate during the auto check period.
Auto Check OK	NONE	NONE	Circuit Auto Check was OK
Bypass	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Circuit bypassed
Cannot set	User *nn*, Area *m*	Us*nn*, A*m*	User was not able to set an area
Cct Tested	Circuit *nnn*	Cct*nnn*	Circuit responded in walk test
Changed Code	User *nn*, Keypad *m*	Us*nn*, KP*m*	User changes own code
Changed Code	User *nn*, User *mm*	Us*nn*, Us*mm*	Manager or GSR user changes code for another user
Changed Time	User *nn*, Keypad *m*	Us*nn*, KP*m*	Time modified, old time and new time are logged
Check Fuse	*n*	*N*	Panel fuse number
Check Fuse	Conc *n*	Conc *n*	Concentrator fuse
Check Fuse	OPM *n*	OPM *n*	Output module fuse
Check Fuse	ACM *n*	ACM *n*	ACM fuse
Clear	Circuit *nnn*	Cct*nnn*	Master shunt type circuit clears
Clear	Circuit *nnn*	Cct*nnn*	A Circuit alarm has cleared.
Code Clash	User *nn*, User *mm*	Us*nn*, Us*mm*	User has chosen a new code which is the same as another user
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)
Date Changed	Us*nn*	Us*nn*	Date changed (manual or auto)
Dorm Confirm	Circuit *nnn*	Cct*nnn*	Dormitory circuit confirmed
Dorm Init.	Circuit *nnn*	Cct*nnn*	Dormitory circuit first activation
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
Expiry Date	Us*nn*	Us*nn*	Config change: User expiry date change.
Ext.Time	User *nn*, Keypad *m*	Us*nn*, KP*m*	ATM user selected a time extension
Failed Auto Set	User *nn*, Area *m*	Us*nn*, A*m*	Event programmer failed to auto set due to circuits in alarm
Fault	Circuit *nnn*	Cct*nnn*	A Circuit short circuit when unset
Fault	Keypad *n*	KP*n*	Failed poll when unset
Fault	Conc nn	Conc nn	Failed poll when unset
Fault	OPM nn	OPM nn	Failed poll when unset
Fault	SM n	SM n	Failed poll when unset
Fault	ACM nn	ACM nn	Failed poll when unset
Fire Door Open	Circuit *nnn*	Cct*nnn*	Fire door open when unset
First code	User *nn*, Keypad *m*	Us*nn*, KP*m*	User entered code on Dual code keypad

Event log only messages			
Log Text	**Additional Data**	**Display Text**	**Event Description**
Head Count	Number		Number of activations of all circuits programmed with the head count option while the panel was unset.
Isolate	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Circuit isolated by user
Isolate	User *nn*, Conc*m*	Us*nn*, *m*	Concentrator isolated by user
Knock	Circuit *nnn*	Cct*nnn*	Circuit first knock
Late Working	Us*nn*, Area *m*	Us*nn*, A*m*	Late working has been selected for the area
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 code 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
Managed Rst	Keypad *m*	KP*m*	Managed reset code entered
Marginal	Circuit *nnn*	Cct*nnn*	A Circuit is marginal
Mult. Alarm	Circuit *nnn*	Cct*nnn*	Circuit has alarmed up to the multiple alarm limit
Normal	User *nn*, Conc*m*	Us*nn*, *m*	Isolate removed from a concentrator
Normal	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Bypass or isolate removed from a circuit
Not Unset	Area *n*	A*n*	A set group was not unset by the schedule close time
PC Access	User *00*	Us*nn*	A GSR user has logged on remotely.
Power Fail	NONE (see note)	NONE	Supply voltage has fallen to the power fail threshold
Reprogrammed	User *nn*, Keypad *m*	Us*nn*, KP*m*	A configuration option(s) has been changed
Reprogrammed	Refer to table	Refer to table	Item menu description plus optional number (see note)
Reset	Circuit *nnn*	Cct*nnn*	An area has been reset
Reset	User *nn*, Area *m*	Us*nn*, Us*nn*	An area has been reset
Restored Code(s)	User *nn*, Keypad *m*	Us*nn*, KP*m*	All codes have been restored to default
Set	User *nn*, Area *m*	Us*nn* A*m*	Area has been set by a user
Set	User *nn*, Group *m*	Us*nn* *m*	Group has been set by a user
Set Req.	Circuit *nnn*	Cct*nnn*	Key type circuit alarms
Set Req.	User *nn*, Keypad *m*	Us*nn*, KP*m*	A user requested set on a keypad (dual set programmed)
Shunt Off	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Shunted removed from circuit
Shunt On	User *nn*, Circuit *mmm*	Us*nn* Cct*mmm*	Shunt applied to 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

Event log only messages			
Log Text	**Additional Data**	**Display Text**	**Event Description**
Software Error	N	N	A software error has been logged
Temp Bypass	Circuit *nnn*	Cct*nnn*	A circuit has been temporarily (until clear) bypassed
TX Off	N	N	TX channel N off
TX On	N	N	TX channel N on
Unset	User *nn*, Area *m*	Us*nn* A*m*	A user has unset the area
Unset	User *nn*, Group *m*	Us*nn* *m*	Group has been unset by a user
Unset Req.	Circuit *nnn*	Cct*nnn*	Key type circuit clears
Unset Req.	User *nn*, Keypad *m*	Us*nn*, KP*m*	A user requested unset on a keypad (dual unset or unset delay programmed)
Verify Alm	Area *n*	A*n*	A verified alarm has occurred
Watchdog	NONE	NONE	Software watchdog active

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
1 - max ACMs	ACM number

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

Appendix D - 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
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.
High Level Set	User attempts to unset a lower level group without unset higher levels
Isolated	User attempts to bypass a circuit that is isolated.
Key Not Used	The key (button) which has been pressed is never used in the current menu.
Keypad Busy	User attempts to turn off a keypad that is being used.
Low Level Unset	User attempts to set a higher level group without setting lower levels
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.
No Unset Area	User selects set when all areas that can be set from the keypad are already set.
Not Applicable	User attempts, for example, to reset when there are no alarms logged.
Not Programmed	The option selected is not programmed.
Option in Use	User selects an option, such as test, which is in being used by another user.
Printer Busy	User attempts to print and the printer is in use.
Set Area	User attempts to access test when an area is set.
System Not Unset	User attempts to access an option that is only available when the system is unset, for example the event log.
Test in Progress	User attempts to set an area that is being tested (on another keypad).
Test System	Circuit check fail has occurred and the user has selected set
Timer Control On	User attempts to log on outwith the schedule times.
Unset Area	User attempts to unset an unset area.

Appendix E - 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 are shown in the table.

Message	Reason
Alarm Abort	User logs on within the alarm abort period (programmable option)
Call Engineer	You should call the installation company. The details will then be displayed.
Cannot Set	The system cannot set, the reason(s) 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.
Group Unset	A group(s) is set and is programmed to automatically unset when a user logs on.
Mult.Alarm	A circuit(s) has alarmed the maximum number of times allowed (programmable). The circuit details will then be displayed.
Reset OK	A managed reset code has been accepted
Setting Stopped	User logs on during the setting exit period
Soak Cct Fails	Circuits which have been put on special test by the installation engineer have alarmed.
Unset Alarm	An unset alarm has occurred, the details will then be displayed.

Appendix F - 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		
Cct 27		

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

Users

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