

Security Grade 3
Environmental Grade 2
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EN50131-1
PD6662

RINS867-4



PCX-256

User

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This manual tells you the simple steps in order for you to use your PCX alarm system effectively.

The PCX alarm system can operate in two different ways:

As a partition system:

A partition system is used to separate inputs, user codes and keypads/readers. It is mainly used in offices who have different areas/security levels for staff, or could be used in a block of flats.

An example of how each partition may be used:

Partition A: Staff Offices

Partition B: Director Offices

Partition C: Factory Floor

As a level set system:

A user can choose which level set to arm, for example:

Level Set A: Full Arm of the house

Level Set B: Upstairs Armed. Downstairs Disarmed.

Level Set C: Garage Armed. Rest of house Disarmed.

Your engineer will be able to set the system up according to your needs.

The PCX systems can be set up to communicate to an alarm receiving centre who can monitor all activations of your property. You can also have SMS texts sent to your phone when an alarm activation has occurred. Please ask your engineer for more information.

PCX-LCD/UK (LCD Keypad)



- A** = Exit manager menu
- B** = Moves backwards to the previous menu item
- C** = Enables chime and displays additional information in the log
- D** = Moves forward in the log, scrolls between options and enters the master manager menu.
- = not used
- = Directional buttons.
- = Selects items and enters menu's.
- = Cancels items, resets the panel and moves to next item in master manager menu

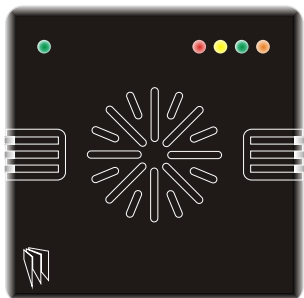
PCX-PROX/INT (Internal Tag Reader)



Tag Area (Where you present your tag to arm/disarm)

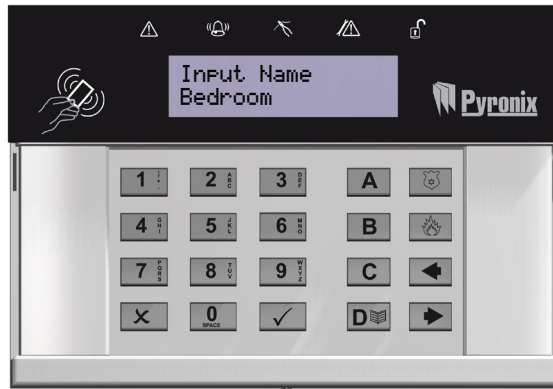
- Alert LED
- Alarm LED
- Tamper LED
- Fault LED
- Unset LED

PCX-PROX/EXT (External Tag Reader)



LEFT GREEN LED: Status indicator (extinguishes after a couple of seconds)

RED LED: This can be programmed by your engineer to illuminate, for example, when the alarm has been activated.



To type a word, press the the relevant key the appropriate number of times – e.g. for the letter 'k' press the **5** key twice, or for the letter 's' press the **7** key four times.

In addition, the **A** **B** **C** **D** keys are used as follows:

A = make the character into a capital

B = move cursor left

C = clears cursor / adds a space

D = moves cursor right

- > Enter your user code

OR

- > Present a valid tag



Default code: 1234

- > Enter the partition(s) you wish to arm and press the ☒ key
- > Note: If 'flexi-arm' is disabled (see page 19) then the system will automatically arm that partition(s)



- > There are three different arming methods:
- > **Final Door:** Leave the building and make sure the exit door is closed properly
- > **Timed:** Make sure you leave the building before the timer shown on the keypad expires.
- > **Push to set:** Press the push to set button installed by your engineer to arm the system.



> Enter your user code

OR

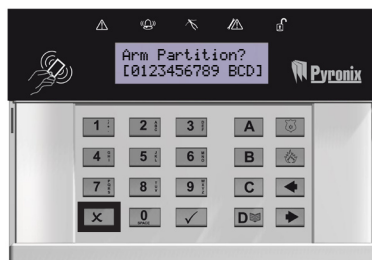
> Present a valid tag



Default code: 1234

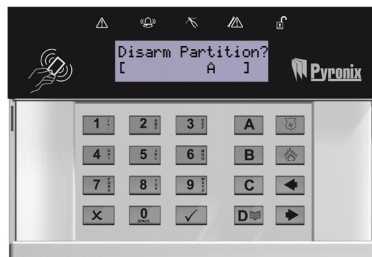
> Press the ☐ key if you do not wish to arm any other partition

> Note: If 'flexi-arm' is disabled (see page 19) then the system will automatically disarm that level set once a valid user code or tag is presented.



> Enter the partition(s) you wish to disarm and press the ☐ key

> The system will be disarmed.



- > Enter your user code

OR

- > Present a valid tag



Default code: 1234

- > Enter the level set you wish to arm and press the ☒ key
- > Note: If 'flexi-arm' is disabled (see page 19) then the system will automatically arm that level set



- > There are three different arming methods:
- > **Final Door:** Leave the building and make sure the exit door is closed properly
- > **Timed:** Make sure you leave the building before the timer shown on the keypad expires.
- > **Push to set:** Press the push to set button installed by your engineer to arm the system.



> Enter the building

> The entry time will start



> Enter your user code

OR

> Present a valid tag



Default code: 1234

> The level arm that the code is assigned to will be disarmed.

> Note: If 'flexi-arm' is disabled (see page 19) then the system will automatically disarm that level set once a valid user code or tag is presented.



> Enter your user code

OR

> Present a valid tag



Default code: 1234

> The alarm symbol will flash indicating there has been an alarm activation, the keypad will display which input has activated.



> Press the **X** key to reset the system.



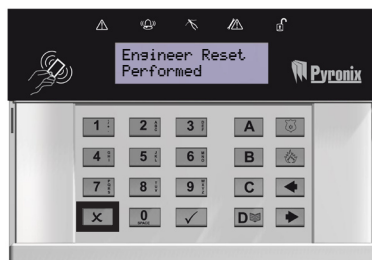
Anti-Code

Your engineer may have set up the system so that either an 'anti code' or engineer reset is required in order to fully reset the system (your code will still silence the alarm, just not reset the system).

After an alarm activation has occurred, enter your user code to silence the alarm. The keypad will display as follows. Take note of the number, on the screen and call your alarm receiving centre. Press the ☒ key



When the time is displayed, enter the number given to you by the ARC. 'Engineer Reset Performed' will be displayed. Press the ☒ key to back to the time.



Engineer Reset

After an alarm activation has occurred, enter your user code to silence the alarm. 'Restore Required' will be displayed. In order to reset the system, you must contact your engineer.



If intelligent arm is enabled by your engineer, the PCX automatically recognises whether to full arm (Arm Mode A), or part arm. (Arm Mode B). 'Flexi'Arm (Page 19) should be disabled for this feature to work properly.

> Enter your user code

OR

> Present a valid tag



> Either exit the building (which will arm mode A) or walk past the 'intelligent arm' sensor (for example a sensor at the top of the stairs). Your engineer will have set this up.



> The control panel will then quick arm part arm B.



If you have a tag reader installed, then it will be possible to arm and disarm the PCX system using a tag (the same tags can also be used to arm/disarm via the keypad prox).

There are two types of readers that can be used with the PCX system - the Internal Tag Reader (used for indoors only) and the External tag reader (used for both indoors and outdoors).

Assigning tags for the readers needs to be programmed through the 'Change Codes' function in the Master Manager Menu (see page 17). The internal and external readers can be both assigned to individual arm modes/partitions, this will need to set up by your engineer.

Enabling the readers to the PCX system will be done by your engineer.

To arm/disarm the PCX system using the Internal Tag Reader, present a pre-programmed tag to the tag symbol as shown.

The PCX system will then arm depending on the type of exit mode programmed (Final door, Timed or Push to set)



To arm/disarm the PCX system using the external Tag Reader, present a pre-programmed tag to the centre of the prox.

The PCX system will then arm depending on the type of exit mode programmed (Final door, Timed or Push to set)

The LEDs on the Prox may also be programmed, to do this please contact your engineer.



Fault Indications

Any faults that occur on the system will be easily recognised by the flashing ALERT LED

IMPORTANT: Make sure that you engineer is informed when a fault occurs on the system.



To see what the fault is, a valid user code needs to be entered.

Depending on how the system has been set up by your engineer, it may be possible to arm the system with a fault, to do this press the key and following instructions on page: 7 for partition systems or page: 9 for level set systems.



Possible faults that may be displayed on the keypad:

Modem fault 100, Digi Fail Comm, PHC Test Fail, Line Fault 100, ATE Line Fault, ATE Fail Comm, Device Fail ###, 485/Comms Lost, SAB Tamper, Case Tamper, Battery Fault, Mains Fail or any other faults that appear that you are unsure of.

The faults mentioned above may affect the overall performance of your PCX system, if any of the above are displayed you should contact your engineer immediately.

Unable To Arm

If 'unable to arm' is displayed, it indicates that an input is already active and the area where the input is should be checked for open windows, pets, movement etc.

If the problem cannot be solved contact your engineer, or omit the input (page 16)



Chime Feature

The chime can be used for any input on the PCX system. This can be set up by your engineer.

To enable the chime on the keypad, when the time is displayed, press the **C** key, a 'c' will be displayed on the right side of the keypad display.



Omitting Inputs

On occasion, a detector may need to be isolated if a room is occupied.

- > Enter your user code
- > Press the **✓** key
- > Select the inputs that need to be omitted
- > Press the **X** key
- > After 10 seconds the exit time continues

Note: Inputs have to be programmed as 'omittable' by your engineer for this feature to operate.



Keypad Hold Up

If an emergency alarm is needed, press and hold both the **1** and **7** keys. A 'hold up' alarm will be generated.

Note: The Hold Up facility needs to be enabled by your engineer (either silent or full alarm)



The Master Manager Menu has the following functions.:

Function	Description
Set Date and Time	Programs the date and time
Omit Inputs	Used to omit inputs during an arm procedure
Change Codes	Adds/Edits/Deletes user/master codes and tags
Review Logs	Displays all information of the PCX
Phone Book	Adds/Edits/Deletes SMS phone numbers
Dial Out Menu	Dials to a PC for Uploading/Downloading
Allow Engineer Menu	Enables or Disables engineer access
Block Remote Arm	Blocks any attempt made in remote arming
Block UDL	Blocks any attempt made to upload/download
Enter Anti-Code	Anti-code can be entered
Exit Manager Mode	Exits the master manager menu.

The Master Manager (default code 5678) has access to all the options above. A 'user code' has access to the 'User Menu' which includes the functions: 'Change Code', 'Review Logs', 'Allow Engineer Menu', 'Enter Anti-code' and 'Exit User Menu'.

Entering the Master Manager Menu

- > Press the **D** key
- > Enter the master manager code (or user code/tag)
- > Use the **B** and **X** keys to scroll through the different functions mentioned above.



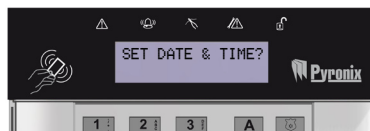
Exiting the Master Manager Menu

- > Use the **B** and **X** keys to scroll through until 'Exit Manager Mode' is displayed. Press the **✓** key.
- > OR, when a main menu item is displayed (capital letters) press the **A** key.

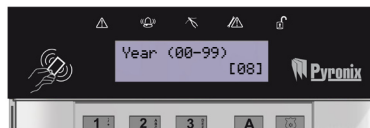


Set Date and Time

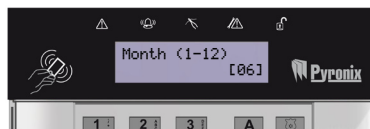
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Set Date and Time'. Press the **[✓]** key



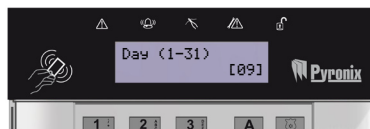
- > Enter the Year
- > Press the **[✓]** key



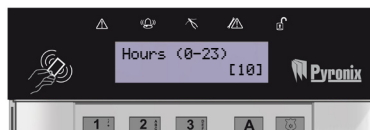
- > Enter the Month
- > Press the **[✓]** key



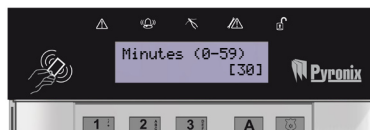
- > Enter the Day
- > Press the **[✓]** key



- > Enter the Hours
- > Press the **[✓]** key

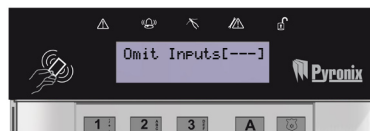


- > Enter the Minutes
- > Press the **[✓]** key



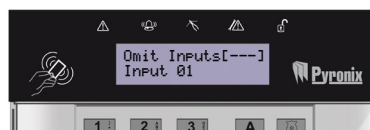
Omit Inputs

- > Use the **[B]** and **[X]** keys to scroll to 'Omit Inputs'. Press the **[✓]** key



- > Enter the inputs you require to be omitted for the next arming procedure.

Note: All inputs will be only omitted for the next arming procedure.



Change Codes (And Tags)

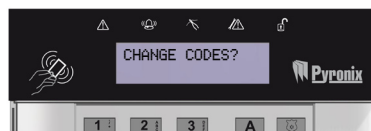
The 'Change Codes' function allows adding, editing and deleting of user codes and the edit of the master manager code.

Tags can also be programmed here for any user code.

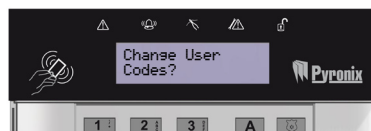
The PCX 256 can have up to 200 user codes or tags.

Flexi-Arm: Flexi-arm allows you to choose which arm mode/partition to arm if a user code is assigned to one or more arm modes/partitions. If this function is disabled, when a user code is entered, the PCX will automatically arm the arm modes/partitions that the code is assigned to.

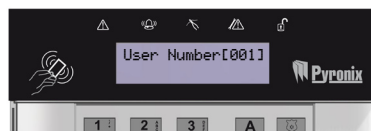
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Change Codes'. Press the **[✓]** key



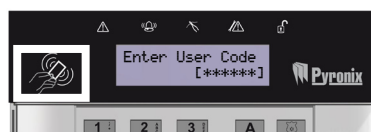
- > To edit user codes, press the **[✓]** key



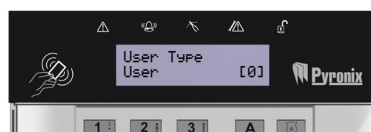
- > Enter the user number to be edited
- > Press the **[✓]** key



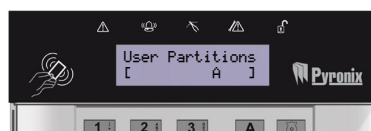
- > Enter the new code / present a tag
- > Press the **[✓]** key



- > Choose the type, either 'user' or 'manager' using the **[D]** key
- > Press the **[✓]** key

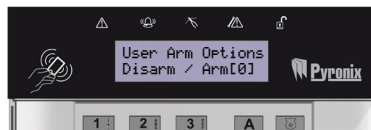


- > Enter the arm modes/partitions that the user will be assigned to
- > Press the **[✓]** key

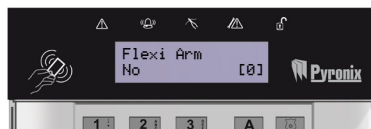


Change Codes (And Tags) Continued...

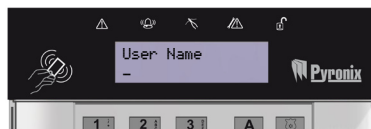
- > Choose the arming option for the user code: Disarm/Arm, Disarm, Arm, using the **[D]** key. Press the **[✓]** key



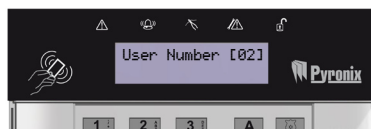
- > Choose the whether Flexi-Arm is to be enabled/disabled using the **[D]** key. Press the **[✓]** key



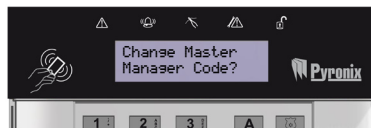
- > Enter the user name - for help on predictive text please see page: 3
- > Press the **[✓]** key



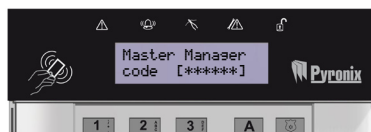
- > Repeat the same process to add another user code, or press the **[X]** key



- > To edit the master manager code, press the **[✓]** key



- > Enter the new code / present a tag
- > Press the **[✓]** key
- > Repeat the same process mentioned on the previous page



Review Logs

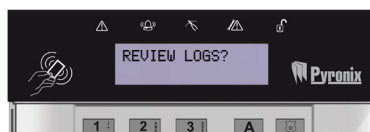
The 'Review Logs' function is used when any information needs to be found out about the PCX system, such as who was the last to arm the system, what time did the alarm activate, who unset the system, what input activated etc.

D key = Scrolls backwards

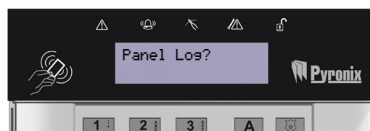
B key = Scrolls forwards

C key = Gives more information

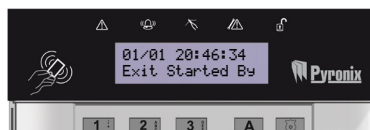
- > Enter the Master Manager Menu
- > Use the **B** and **X** keys to scroll to 'Review Logs'. Press the **✓** key



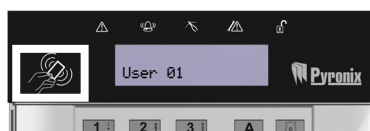
- > To view the panel log, press the **✓** key



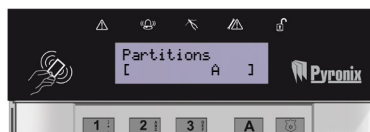
- > The most recent event will be displayed, press **C** key for more information or press the **D** key to scroll backwards through the log.



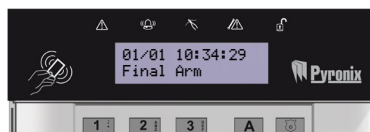
- > If the **C** key is pressed more information will be given, in this example it shows that User 1 started the exit time.



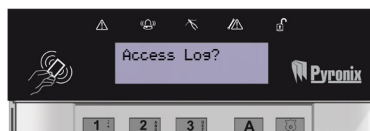
- > If the **C** key is pressed once more it shows the partition the user selected as well



- > Press the **D** key to go to the previous event. Or press **X** to exit.



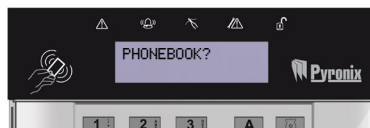
- > If an Access Control system is installed on your system, the event logs are held in this function. Follow the instructions mentioned above to view the events.



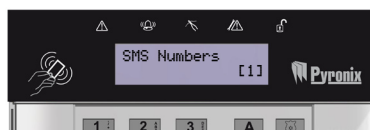
Phonebook

If SMS texting is used on your system, your engineer will have programmed your mobile number(s) in the engineer menu. This function allows you to change them.

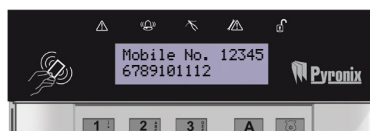
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Phonebook'. Press the **[✓]** key



- > Use the **[D]** key to select the SMS number you wish to change. Press the **[✓]** key



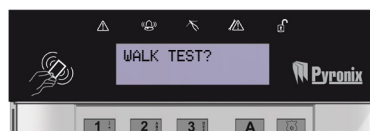
- > The current mobile number will be displayed. Use the **[B]** and **[D]** keys to scroll through each digit, to change, enter the number or to delete press the **[C]** key. Press the **[✓]** key



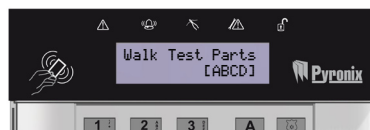
Walk Test

The 'Walk Test' function allows the testing of all programmed inputs on the PCX system, and the different arm modes/partitions. To walk test, simply activate a sensor/door contact.

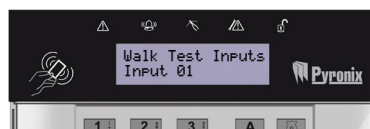
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Walk Test'. Press the **[✓]** key



- > Enter the required arm modes/partitions to walk test. Press the **[✓]** key



- > All the inputs on the PCX system will be displayed, walk test each one. Once all are completed 'Walk Test Complete' will be displayed. Press the **[X]** key to exit at any point.

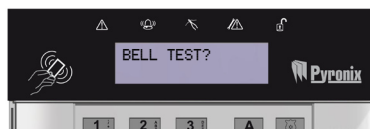


NOTE: If any inputs are failing a walk test, your engineer may need to be called.

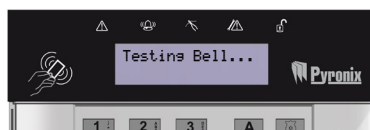
Bell Test

If SMS texting is used on your system, your engineer will have programmed your mobile number(s) in the engineer menu. This function allows you to change them.

- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Bell Test'. Press the **[✓]** key



- > Both the strobe and bell outputs will be tested. To cancel, press the **[X]** key

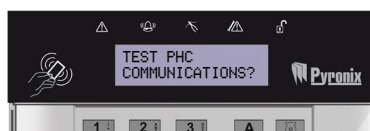


Test PHC Communications

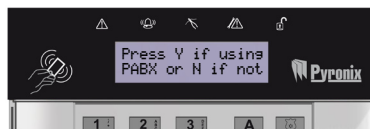
This function is used in conjunction with SMS texts. It is used to communicate with the 'Pyronix Host Computer' (The mobile phone server).

NOTE: All Pyronix Host Computer calls are 50p per call. Please see page 26 for more information. You will usually be only asked to perform this function by your engineer.

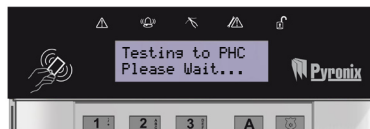
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Test PHC Communications'. Press the **[✓]** key



- > If you are using a PABX line (that needs a '9' to dial out) press the **[✓]** key or press the **[X]** key if not.



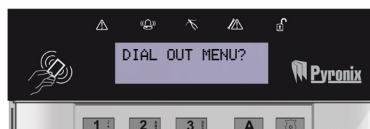
- > The PCX system will then call the PHC. If 'Failed PHC Test' is displayed, please call your engineer



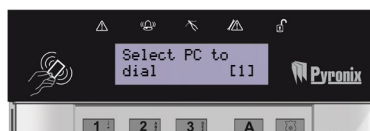
Dial Out Menu

This function allows you to choose which PC you wish to connect to via the phone line for uploading and downloading data. This function will usually be requested by your engineer.

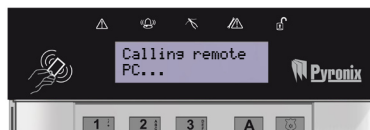
- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Dial Out Menu'. Press the **[✓]** key



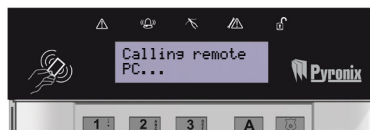
- > Select which PC modem number to dial using the **[D]** key. Press the **[✓]** key



- > Select the operation that needs to be performed: Connect to PC, Test Dial, ARM Service, Data From PC, Data To PC, Diagnostics, Commissioning using the **[D]** key. Press the **[✓]** key.



- > The PCX system will then call the PC. If it fails please contact your engineer.
- > Press the **[X]** key to exit



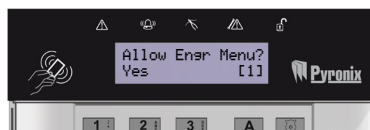
Allow Engineer Menu

If this function is enabled, the engineer will require authorisation from yourself to access the Engineering Menu.

- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Allow Engr Menu'. Press the **[✓]** key



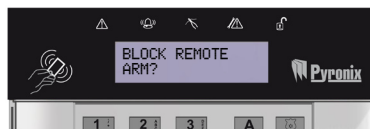
- > Choose whether to enable/disable access to the Engineering Menu by using the **[D]** key. Press the **[✓]** key



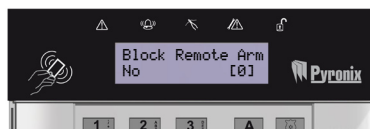
Block Remote Arm

Your PCX system may be configured so that your alarm installation company can remotely arm/disarm. Should you wish to block this access, you can enable this function.

- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Block Remote Arm'. Press the **[✓]** key



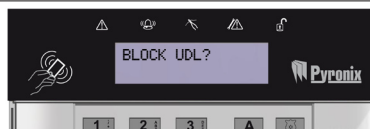
- > Choose whether to enable/disable remote arming by using the **[D]** key. Press the **[✓]** key



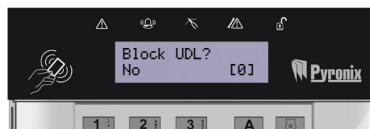
Block UDL

Your PCX system may be configured so that your alarm installation company can upload and download into the control panel, Should you wish to block this access, you can enable this function

- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Block UDL'. Press the **[✓]** key



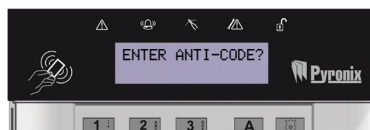
- > Choose whether to enable/disable remote arming by using the **[D]** key. Press the **[✓]** key



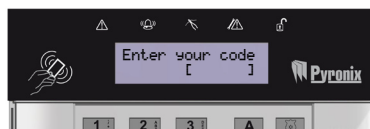
Enter Anti-Code

If an anti-code or engineering code is required to reset the PCX system, it can be entered in this function.

- > Enter the Master Manager Menu
- > Use the **[B]** and **[X]** keys to scroll to 'Enter Anti-Code'. Press the **[✓]** key



- > Enter the anti-code or the engineering code and press the **[✓]** key. The system will be reset.



The PCX systems include the facility to send electronic signals to an Alarm Receiving Centre (ARC), and also to send SMS text messages to mobile telephones. Alarm, etc. signals may be transmitted via a PSTN link, using a variety of formats, to suitable receiving equipment located at the premises of an independently operated Alarm Receiving Centre. Provision is also made for the use of third-party device to transmit signals to an Alarm Receiving Centre by means of the PSTN, GSM, IP or other network.

The SMS facility uses a PSTN connection to a special SMS Centre, where the information is transferred to the GSM network for delivery to the client's designated mobile telephone(s). The SMSC services are provided by GSM network operators or other reputable companies, whose operation is outside of the control or influence of Pyronix. PCX Control Panels have an embedded premium rate telephone number that is used to contact a Castle host computer prior to commissioning, in order to download the SMSC details and appropriate call routing authorisation.

The control panel will continue to contact this PHC at regular intervals, to verify the operation and update and confirm the routing information and authorisation as appropriate. The charge for this service is raised by the use of the "premium rate" telephone number. Please check with your installer for exact charges. Whilst we will use our best endeavours to resolve any issues relating to these uses of equipment manufactured by Pyronix are in no way responsible for the operation of the PSTN or other transmission media, the Alarm Receiving Centre or the SMSC - or for the end-to-end security and delivery

Engineer Information

Alarm Company	
Date of Installation	
Site Reference	
Engineer Name	
Engineer Contact Number	

Pyronix Contact Information

**Address:**

Pyronix Ltd
Pyronix House
Braithwell Way
Hellaby
Rotherham
South Yorkshire
S66 8QY

Website:

www.pyronix.com/installers

Input Number	Input Type	Input Partitions	Description
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