

## 4180-GB WIRELESS KEYPAD

The 4180-GB is a remote wireless keypad for use in conjunction with the FM4000 range of control panels. Features include a 4 digit security code (user programmable), and Panic facility.

### **INSTALLATION**

1. Avoid siting close to metalwork or large metal objects as this may affect radio range.
2. Before fixing into position, go to the control panel and program the keypad into the system as described on page 4.
3. Once programmed into the panel, check that the radio range at the desired location is satisfactory by arming and disarming using the keypad.
4. Fix the base to the wall with two screws (not provided).  
Note: Now that the keypad is on the system, the tamper alarm will operate when opening up the keypad to fix it. Cancel the alarm by entering the user code on the panel keys.
5. After installation the received signal strength can be measured using the FM4000 control panels normal signal strength facility by sending a panic alarm from the keypad. (refer to the FM4000 instruction manual).

### **OPERATING THE ALARM FROM THE KEYPAD**

OFF	1	2	3	4	0
PART SET	1	2	3	4	
FULL SET	1	2	3	4	

*The green LED illuminates to confirm valid action has been completed. Wait until the LED goes out before entering the code again.*

To **Abort the Set** that has just been activated, press the 0/Off key within 30 seconds of the system being set (Note:- this function can be enabled and disabled via the Engineering mode)

NOTE: If a wrong code is entered, the red LED is illuminated & 15 incorrect key presses will generate a tamper alarm.

## PROGRAMMING

### **Default PIN Codes**

Default User Full Set PIN code	1 2 3 4
Default User Part Set PIN code	1 2 3 4
Default Engineer PIN code	4 6 7 9
Default Code Panic PIN	9 9 9 9
Default Two key Panic	Any 2 vertical <b>number</b> keys

### **Default Settings**

Two Key Panic Alerts	Enabled
Code Panic Alerts	Disabled
Abort Set	Enabled

### **Entering Engineering Mode**

To gain access to the Engineer Mode, enter the Full Set User PIN code and then enter the Engineer PIN code (default 4 6 7 9) within 10 seconds of the last digit of the user PIN being entered. For example with the default codes:



The Green and Red LEDs will flash together to confirm your entry into the Engineer Mode. They will continue to flash for as long as you are in Engineer Mode and not within a programming submenu. When you are in a programming sub-menu, the Red LED will flash, but the Green LED will turn off.

### **Changing The Engineer Pin Code**

In engineering mode enter 47, (The red LED only flashes)

Enter the new 4 digit code, the keypad will beep once, enter the new code again the keypad will beep twice to confirm the code has been successfully changed. (If the two codes do not match, the code will not change)

### **Code PANIC**

To enable this feature in Engineering, select option 50 then press 1 the green LED illuminates to indicate the option is selected, now press full set. (To de-select this option press 0 in the option, green LED will go out, then press full set.)

### **Changing the Code Panic PIN**

In engineering mode enter 28, (The red LED only flashes)

Enter the new 4 digit code, the keypad will beep once, enter the new code again the keypad will beep twice to confirm the code has been successfully changed. (If the two codes do not match, the code will not change)

### ***Two Key Panic***

To Enable this feature in Engineering, select option 27 then press 1 the green LED illuminates to indicate the option is selected, now press full set. (To de-select this option press 0 in the option, green LED will go out, then press full set.)

### ***Changing The Full Set User PIN***

In engineering mode enter 12, (The red LED only flashes)  
Enter the new 4 digit code, the keypad will beep once, enter the new code again the keypad will beep twice to confirm the code has been successfully changed.  
(If the two codes do not match, the code will not change)

### ***Changing The Part Set User PIN***

In engineering mode enter 13, (The red LED only flashes)  
Enter the new 4 digit code, the keypad will beep once, enter the new code again the keypad will beep twice to confirm the code has been successfully changed.  
(If the two codes do not match, the code will not change)

### ***Abort Set***

To disable this feature in Engineering, select option 34 then press 0 the green LED goes out to indicate the option is disabled, now press full set. (To re-select this option press 1 in the option, green LED will illuminate, then press full set.)

### ***Default Keypad PIN Codes***

With keypad in normal operating mode, fit the link to the MEM pins, hold the 4 key for 30 seconds, when keypad beeps 6 times, remove link. The default codes have now been restored.

### ***Restore All Settings to Default***

With the keypad in engineers mode (default keypad PIN codes if required) fit the MEM link and enter 44 within 30 seconds of fitting the link, when the Keypad beeps 5 times remove the link, the keypad is now defaulted. (Press 48 to exit engineering now if required.)

Note:- Keypad will not default if this link is not fitted.

### ***Keypad Low Battery***

If the battery is low in the keypad the keypad will flash the red LED twice and emit a double beep after any unset, part set or full set signal is transmitted to the control panel

The battery should be replaced as soon as possible.

Note: The low battery will not be signalled to the panel.

### ***Exit Engineer Mode***

Enter 48 when both LED's are flashing (you are not in a option), the keypad will beep twice.

Connect 2 Quality Alkaline Batteries to the remote keypad (Eveready Energizer or Duracell recommended). When changing a battery, wait 10 seconds before re-connecting to ensure a clean re-boot.

1. Put the control panel into engineer mode. (The alarm LED will flash to indicate that you are in the engineer mode)

2. Key in 11 to select remote control programming. (On FM4000EN & FM4000X panels you will now need to select the device number, 1 for the first device, 2 for the 2nd etc.)

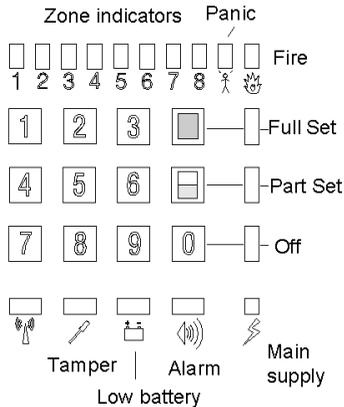
3. Press keys 1 and 4 together (on the 4180-GB) to Learn the keypad onto the control Panel.  
(The panel will bleep twice and a zone LED will illuminate to indicate that a remote control or keypad is programmed onto the panel).

(Note if you need to delete a keypad, pressing the part and zero keys together will delete all keypads and remotes from the system on an FM4000E panel or the selected device on an FM4000EN or FM4000X panel.)

4. Press the Full Set key on the panel to accept.

5. Key in 48 on the panel to exit engineer programming.

Note: Remote setting devices are not supervised.



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