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2.2 Powering up the Smart Panel
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      B. Installing the Motion Sensor
      C. Sensor sensitivity
      D. Walk test
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      A. Introduction
B. Operation
   i. Powering up the Key Fob Remote Control
   ii. Enrolling the Remote Control onto the Smart Panel
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6.3 Maintenance
6.4 Batteries

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Section 8 – Premium 24/7/365 Central Station Monitoring Available.
1.4 Introduction to the Smart Panel

**LCD Screen:**

1. 2. 3. 4. 5. 6. 7. 8. 9. 0

**Function Buttons:**

**ARM**  **HOME**  **ALERT**

**Keypad:**

**Programming Buttons:**

**Numeric Buttons:**

**Other:**

- **9V DC INPUT port**: For AC/DC adaptor
- **Siren output**: 120dB
- **Battery compartment**: For 9V Alkaline back-up battery
- **4 x Pin header, 4 x Jumper**: For House Security Code setting
- **8 x Pin header, 1 x Jumper**: For Zone Code setting
- **“RESET” button**: If you forget the 4-digit PIN, press the “RESET” button located in the battery compartment and enter factory default PIN “1 2 3 4” followed by to restore factory settings

1.5 Introduction to the Smart Panel sound alert and backlight

<table>
<thead>
<tr>
<th>Operating Mode</th>
<th>Situation</th>
<th>Sound alert and backlight indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ARM</td>
<td>Zone triggered under ARM status</td>
<td>Alarm duration: Adjustable between 1 – 6 minutes (siren). Default is 1 minute Smart Panel - flashes RED every 1.5 seconds with triggered zone indicated (To stop - enter 4-digit PIN and press )</td>
</tr>
<tr>
<td>2 HOME</td>
<td>Zone triggered under ARM status</td>
<td>Alarm duration: Adjustable between 1 – 6 minutes (siren). Default is 1 minute Smart Panel - flashes RED every 1.5 seconds with triggered zone indicated (To stop - enter 4-digit PIN and press )</td>
</tr>
<tr>
<td>3 ALERT</td>
<td>Zone triggered under ALERT status</td>
<td>Sound output: Chime (ding-dong) Smart Panel – flashes GREEN every 1.5 seconds with triggered zone indicated (To stop panel flashes - press )</td>
</tr>
<tr>
<td>4 STANDBY</td>
<td>Silent</td>
<td>Smart Panel – YELLOW backlight remains ON for 10 seconds after entering into STANDBY mode</td>
</tr>
</tbody>
</table>

SECTION 2 – INSTALLING COMPLETE WIRELESS ALARM SYSTEM

2.1 Installing the Smart Panel

**WARNING:** The Complete Home Smart Panel has a built-in tamper-proof switch to prevent the system being disabled by an intruder. When fixing the Smart Panel to a wall, first ensure that it is in Standby mode to avoid the alarm sounding.

2.1.1 Locating the Smart Panel and tamperproof switch

Determine the location of the Smart Panel, which should be placed:

- within a few feet of an electrical outlet
- where it is easily accessible
- away from doors or windows that could be accessed by intruders
- away from extreme temperature sources (radiators, ovens, stoves etc.) and large metal objects that could interfere with the wireless performance

2.1.2 Wall mounting the Smart Panel and tamperproof switch

- First cut out the mounting template for the Smart Panel along with the area which is marked out for the position of the tamperproof magnet (see below).
• Tape the template onto the wall, in the position you wish to install the Smart Panel.
• Mark on the wall the points for drilling holes for the wall plugs and mounting screws, and the position for mounting the tamperproof magnet
• Drill the holes, insert wall plugs and locate the mounting screws for the Smart Panel
• Ensure the mounting surface for the tamperproof magnet is clean
• Peel back one layer of the protective film on the double-sided adhesive strip and attach it to the magnet
• Peel back the remaining layer of protective film and press the magnet firmly in the marked position against the mounting surface until firmly attached
• Mount the Smart Panel onto the wall
• Once the Smart Panel has been installed the system can be powered up. The tamperproof system is enabled once the Smart Panel is switched to HOME, ALERT or ARM mode

2.2 Powering up the Smart Panel controller
Note: The Smart Panel is supplied with a demonstration switch to show the LCD display panel working while the unit is in its packaging. Before powering up the Smart Panel the wire for this switch must be removed as described below (See Figs 1 & 2) :
• Unscrew the battery compartment and remove the cover.
• Remove and discard the LED demo socket, if fitted (Fig.2)
• Insert a new back-up battery (noting the polarity) and plug the AC adaptor into the Smart Panel (Fig. 3)
• Replace the cover and screw, and connect the AC adaptor to a wall socket.(Fig. 4)

2.3 Understanding the battery and AC adaptor icon

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Insert 9V Alkaline backup battery</td>
<td>One beep will sound and the backlight will blink within 1 second (Yellow→Red→Green→Yellow) The Smart Panel will display the below image:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The Smart Panel will enter &quot;STANDBY&quot; mode after the automatic self-checking is complete. Then will appear on the LCD screen. Enter the default 4-digit PIN “1234”</td>
</tr>
</tbody>
</table>

SECTION 3 – USING THE COMPLETE WIRELESS ALARM SYSTEM

3.1 Programming your new 4-digit PIN
The Wire-free Home Protection Smart Panel is supplied with a default PIN of “1234”. This can be changed to your own personalised PIN, or your own personalised PIN can be changed, as follows:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>(1234/4-digit PIN) +</td>
<td>You must be in STANDBY mode before programming your new 4-digit PIN</td>
</tr>
</tbody>
</table>
|     |  | *To make sure you are in STANDBY mode:
|     | | - Enter the default PIN “1 2 3 4 “ |
|     | | - Press |
|     | | - The Smart Panel will display the image below when you are in STANDBY mode: |
|     | | (One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed). |
| 2 | (1234/4-digit PIN) + | Enter the default PIN "1 2 3 4 " OR your new 4-digit PIN for setting followed by |
|     |  | The Smart Panel will display the below image: |
| 3 | | Press followed by |
|     | | - Press then “1” to set the new PIN |
|     | | - The Smart Panel will display the below image : |
| 4 | New 4-digit PIN + | Enter the new 4-digit PIN followed by |
|     |  | - LCD display flashes with “1” |
|     | | - Enter the new 4-digit PIN |
|     | | - Press to confirm |

2.3 Understanding the battery and AC adaptor icon

Battery icon shows power status below:
- Full -
- High -
- Middle -
- Low -

Battery icon shows when the AC power supply is unplugged or interrupted.

Battery icon shows when the 9V battery functions as BACK-UP only and the symbol means LOW BATTERY.

The LCD backlight flashes YELLOW for 30 seconds and will blink until the new battery is replaced or the main power supply (with AC adaptor) is plugged in.

AC Adaptor icon

When the AC adaptor to the Smart Panel is connected to a wall socket, the AC symbol will appear.
The backlight will be ‘ON’ for 10 seconds while the AC adapter connects to the power supply.
3.2 Transmitting an emergency (Panic) alarm

3.2.1 Using the Panic alarm
Pressing the [a] & [b] buttons together on the Keypad or Key Fob Remote Control will immediately transmit an alarm signal to the Smart Panel, activating the siren, and transmitting an alarm signal to any optional response devices (Auto Dialer & Outdoor Bell Box), to request emergency assistance.

To disarm the Panic alarm:
On the Smart Panel: Enter your 4-digit PIN followed by [exit] to exit from the Panic alarm.
On the Key Fob Remote Control: Press [a] to exit from the Panic alarm.

3.2.2 Using the Panic alarm without activating the siren
If you are forced to disarm the system, enter the Duress Password to stop the siren from sounding. The Smart Panel will then silently transmit an alarm signal to the optional response devices (Auto Dialer & Outdoor Bell Box) to request emergency assistance.

Duress Password:
Enter the default 4-digit PIN + 1 2 3 4 + [exit] OR
Enter your personalised 4-digit PIN + 1 2 3 4 + [exit]

3.3 Operating different modes
The system has 4 operating modes (STANDBY, ARM, ALERT, and HOME) to suit individual requirements. These modes can be set as follows:

3.3.1 STANDBY mode
If in STANDBY mode, the Smart Panel is prepared for mode selection.

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>(1234/4-digit PIN) + [exit]</td>
<td>You must be in STANDBY mode before turning to ARM mode</td>
</tr>
</tbody>
</table>

3.3.2 ARM mode
When in ARM mode, the Smart Panel siren will sound and the Smart Panel flashes RED every 1.5 seconds when the system is triggered.

ARM mode default setting:

**A. Adjusting Exit Delay**
The default setting of the Smart Panel allows the user 20 seconds to exit the property before the alarm is ARMED. However, this Exit Delay can be adjusted to between 10 and 60 seconds as follows:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1234/4-digit PIN) + [exit]</td>
<td>You must be in STANDBY mode before adjusting the Exit Delay</td>
<td>*To make sure you are in STANDBY mode: - Enter the default PIN “1 2 3 4” OR your new 4-digit PIN - Press [exit] - The Smart Panel will display the image below when you are in STANDBY mode: ![Exit Delay Image]</td>
</tr>
</tbody>
</table>

- LCD display “” flashes with “2”
- Re-enter the new 4-digit PIN
- Press [exit] for final confirmation
(One beep indicates that you entered a valid PIN, two beeps indicate that an invalid operation was performed).

**B. Adjusting Entry Delay**
The default setting of the Smart Panel allows the user 30 seconds to enter the property and DISARM the alarm before it is triggered. However, this Entry Delay can be adjusted to between 10 and 60 seconds as follows:

**Notes**
- To make sure you are in STANDBY mode:
- Enter the default PIN “1 2 3 4” OR your new 4-digit PIN
- Press [exit]
- The Smart Panel will display the image below when you are in STANDBY mode:

- LCD display “” flashes with “2”
- Re-enter the new 4-digit PIN
- Press [exit] for final confirmation
(One beep indicates that you entered a valid PIN, two beeps indicate that an invalid operation was performed).
C. Adjusting the Alarm Duration
The default setting of the Smart Panel gives an alarm duration of 1 minute after being triggered. However, this alarm duration can be increased up to 6 minutes:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1234/ 4-digit PIN) +</td>
<td>You must be in STANDBY mode before adjusting the Exit Delay</td>
<td>*To make sure you are in STANDBY mode: - Enter the default PIN &quot;1 2 3 4&quot; OR your new 4-digit PIN - Press  - The Smart Panel will display the image below when you are in STANDBY mode:</td>
</tr>
<tr>
<td>2 (1234/ 4-digit PIN) +</td>
<td>Enter the default PIN &quot;1 2 3 4&quot; OR your new 4-digit PIN for setting followed by</td>
<td>The Smart Panel will display the below image:</td>
</tr>
<tr>
<td>3 +</td>
<td>Press then (as many times as required) to set the new Alarm Duration</td>
<td>(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed).</td>
</tr>
<tr>
<td>4 [ ]</td>
<td>Press to complete the setting</td>
<td>Confirm the setting and return the Smart Panel to STANDBY by pressing .</td>
</tr>
</tbody>
</table>

D. Muting the Audible Countdown
When the Smart Panel is ARMED the audible countdown (beeper) can be silenced by pressing the MUTE button, during the countdown. To reactivate the audible countdown (beeper) simply press the MUTE button again.

E. Arming the system
On the Key Fob Remote Control: Press A to ARM the system.
On the Smart Panel: First make sure the Smart Panel is in STANDBY mode, and then ARM the system by taking the following steps:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1234/ 4-digit PIN) +</td>
<td>You must be in STANDBY mode before turning to ARM mode</td>
<td>*To make sure you are in STANDBY mode: - Enter the default PIN &quot;1 2 3 4&quot; OR your new 4-digit PIN - Press  - The Smart Panel will display the below image while you were in STANDBY mode:</td>
</tr>
<tr>
<td>2 (1234/ 4-digit PIN) +</td>
<td>Enter 4-digit PIN, press and for ARM mode</td>
<td>Exit delay: up to 20 seconds</td>
</tr>
<tr>
<td>3 [ ]</td>
<td>Press then (as many times as required) to set the new Exit Delay</td>
<td>(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed).</td>
</tr>
<tr>
<td>4 [ ]</td>
<td>Press to complete the setting</td>
<td>Confirm the setting and return the Smart Panel to STANDBY by pressing .</td>
</tr>
</tbody>
</table>

When in ARM mode, the Smart Panel flashes RED every 5 seconds, acting as a deterrent to potential intruders. However, if an intruder is detected the panel continuously and rapidly flashes RED. Once an intrusion has occurred (with the zone triggered under ARM status), the alarm siren will sound and the Smart Panel flashes RED every 1.5 seconds with the triggered zone indicated. After the initial triggering, the alarm will immediately sound, without delay, if any other sensors are triggered.

F. Disarming the system
• On the Smart Panel: Enter your 4-digit PIN followed by to disarm the system.
• On the Key Fob Remote Control: Press C to disarm the system

G. Zone settings
Programming each zone in ARM mode:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1234/ 4-digit PIN) +</td>
<td>You must be in STANDBY mode before turning to ARM mode</td>
<td>*To make sure you are in STANDBY mode: - Enter the default PIN &quot;1 2 3 4&quot; OR your new 4-digit PIN - Press  - The Smart Panel will display the below image when you are in STANDBY mode:</td>
</tr>
<tr>
<td>2 [ ]</td>
<td>Press to complete the setting</td>
<td>(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed).</td>
</tr>
</tbody>
</table>
2  4-digit PIN) Enter 4-digit PIN for setting followed by The Smart Panel will display the below image:

```
1 2 3 4 5 6 7 8
```

3  Press then to set the ARM mode

- Toggle 1, 2, 3, 4, 5, 6, 7, 8 to turn each zone ON or OFF
- If no number appears, the zone is turned OFF
- The Smart Panel will display the below image:

```
1 2 3 4 5 6 7 8
```

4  Press to complete the setting

Confirm the setting and return the Smart Panel to STANDBY by pressing 

H. Triggers in ARM mode

Example: Zone 1 trigger

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Under the “ARM” Mode</td>
<td>The Smart Panel will display the below image:</td>
</tr>
<tr>
<td>2</td>
<td>System trigger</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entry delay 30 seconds</td>
<td>There are 30 seconds of entry delay time with a visual countdown for disarming. Once an intrusion has occurred (zone triggered under ARM status), the alarm siren will sound for 1 minute and the Smart Panel flashes RED every 1.5 seconds with the triggered zone indicated, until the system is disarmed. *To disarm the system, enter the 4-Digit PIN or press \textcircled{4} on the remote control.</td>
</tr>
<tr>
<td>3</td>
<td>Return to ARM mode after the initial triggering</td>
<td>After the initial triggering, the alarm will immediately sound, without delay, if any other sensors are triggered.</td>
</tr>
</tbody>
</table>

3.3.3 ALERT mode

If in Alert mode, the Smart Panel chime will sound and the Smart Panel flashes GREEN every 1.5 seconds with the triggered zone indicated, when the system detects a visitor in the protected area.

ALERT mode default setting:

<table>
<thead>
<tr>
<th>Sensor</th>
<th>Zone</th>
<th>Status (MODE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door/Window Sensor</td>
<td>1</td>
<td>ALERT</td>
</tr>
<tr>
<td>Door/Window Sensor</td>
<td>2</td>
<td>ALERT</td>
</tr>
<tr>
<td>Motion Sensor</td>
<td>8</td>
<td>ALERT</td>
</tr>
</tbody>
</table>

A. Entering ALERT mode

- On the Key Fob Remote: Press \textcircled{4} to activate.

B. Exiting the ALERT mode

- On the Smart Panel: Enter your 4-digit PIN followed by \textcircled{4} to exit ALERT mode.
- On the Key Fob Remote Control: Press \textcircled{4} to exit ALERT mode.

C. Zone settings

Programming each zone in ALERT mode:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>(1234/ 4-digit PIN) \textcircled{4}</td>
<td>You must be in STANDBY mode before turning to ALERT mode</td>
</tr>
<tr>
<td></td>
<td>+ \textcircled{4}</td>
<td>*To make sure you are in STANDBY mode:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Enter default PIN 1 2 3 4 OR your new 4-digit PIN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Press \textcircled{4}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- The Smart Panel will display the below image when in STANDBY mode:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>\textcircled{4}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed).</td>
</tr>
<tr>
<td>2</td>
<td>4-digit PIN \textcircled{4} \textcircled{4}</td>
<td>Enter 4-digit PIN, press \textcircled{4} and \textcircled{4} for ALERT mode</td>
</tr>
<tr>
<td></td>
<td>+ \textcircled{4}</td>
<td>- The system will then enter ALERT mode</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- If the Zone is enabled, a number will appear as displayed in the image below:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>\textcircled{4}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed).</td>
</tr>
</tbody>
</table>

3     Press then \textcircled{4} to set the ALERT Mode

- Toggle 1, 2, 3, 4, 5, 6, 7, 8 to turn each zone ON or OFF
- If no number appears, the zone is turned OFF
The Smart Panel will display the below image:

```
1 2 3 4 5 6 7 8
```
A. Entering the HOME mode

• On the Key Fob Remote Control: Press \[ \text{HOME} \] to activate.
• On the Smart Panel: First make sure the Smart Panel is in STANDBY mode, and then enter HOME mode by taking the following steps:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
</table>
| 1 \(1234/\) 4-digit PIN \( + \) \[ \text{HOME} \] | You must be in STANDBY mode before turning to HOME mode | *To make sure you are in STANDBY mode:  
- Enter the default PIN 1 2 3 4 OR your new 4-digit PIN  
- Press \[ \text{HOME} \]  
The Smart Panel will display the below image while in STANDBY mode: \[ \text{1 2 3 4 5 6 7 8} \]  
(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed). |

| 2 4-digit PIN \( + \) \[ \text{HOME} \] \( + \) \[ \text{HOME} \] | Enter 4-digit PIN, press \[ \text{HOME} \] and \[ \text{HOME} \] for HOME mode | - Then system will enter HOME mode  
- If the Zone is enabled, a number will appear as displayed in the image below: \[ \text{1 2 3 4 5 6 7 8} \]  
(One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed). |

B. Exiting the HOME mode

• On the Smart Panel: Enter your 4-digit PIN followed by \[ \text{HOME} \] to exit HOME mode.
• On the Key Fob Remote Control: Press \[ \text{EXIT} \] to exit HOME mode.

C. Zone settings

Programming each zone in HOME mode:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
</table>
| 1 \(1234/\) 4-digit PIN \( + \) \[ \text{HOME} \] | You must be in STANDBY mode before turning to HOME mode | *To make sure you are in STANDBY mode:  
- Enter default PIN of 1 2 3 4 OR your 4-digit PIN  
- Press \[ \text{HOME} \]  
- The LCD screen will display the below image: \[ \text{1 2 3 4 5 6 7 8} \]  
(One beep indicates that you entered a valid PIN three beeps indicate that an invalid operation was performed). |

### SECTION 4 – INSTALLING THE SENSORS

#### 4.1 Introduction to the Sensors

This package includes 3 wireless sensors which have a pre-programmed default setting that begins working immediately once the battery is activated (the Key Fob Remote Control needs to be enrolled onto the system before it can operate – see Section 4.2.3). It is advisable to install the main package first and then personalise the settings once the system is functioning properly. This section should help you to change the system settings in order to create a more personal home environment.

#### 4.2 Installing the Sensors

First, determine the location of the sensors.

*Note: The sensors should be placed:*
- where they are not easily accessible.  
- in the most vulnerable rooms or near key entry points.  
- away from extreme temperature sources (radiators, ovens, stoves etc.) and large metal objects that could interfere with the wireless performance.  
- where better RF performance can be achieved (if necessary).  

Once you have selected a location for the Sensors, the system can be powered up.

#### 4.2.1 Installing the Door/Window Sensor

The Door/Window Sensor consists of two parts, a transmitter and a magnet. Once this sensor is installed, and the two parts are fastened onto the door or window, the sensor will trigger and transmit a message to the Smart Panel when the door or window is opened. One Door/Window Sensor is pre-programmed in Zone 1 and the other one is set in Zone 2; however, these settings can be adjusted according to your requirements. (See 3.3 & 4.4 Zone Settings)
A. Powering up the Door/Window Sensor
- Remove the battery cover; insert new batteries noting the polarity as shown in the diagram below and replace the cover. (Requires 2 x AAA batteries not included)
- Low battery indication: If the batteries need to be replaced, the RED LED on the transmitter will flash slowly.

B. Installing the Door/Window Sensor
- Mount the transmitter on a fixed surface such as a door or a window frame.
- Mount the magnet on a movable surface such as a door or a window.
- Ensure the >/< marks on the sides of the transmitter and magnet match up as shown in the diagram.
- The transmitter and the magnet must be no more than 5mm apart

C. Mounting with the double-sided adhesive pad
- Ensure the mounting surface is clean.
- Peel back one layer of the protective film and attach it to the transmitter.
- Peel back the remaining layer of protective film and press the transmitter firmly in place against the mounting surface until firmly attached.
- Repeat to attach the magnet.

4.2.2 Installing the Motion Sensor
The Motion Sensor is designed to sense movement in a given area.
Note: It is best if pets are not allowed onto higher surfaces so that the sensors are not triggered unnecessarily (no more than 1 metre high).

A. Powering up the Motion Sensor
- Remove the battery cover, insert and connect a 9V (6LR61) battery (not included) as shown in diagram below and replace the cover. Requires 1 x 9V (6LR61) battery(not included)
- Low battery indication: If the batteries need to be replaced, the RED LED will flash (not including entry / exit delay flashing).

B. Installing the Motion Sensor
First, determine the location of the Motion Sensor.
*Note: The Sensor should be placed:
- in the most vulnerable rooms or near key entry points.
- on a solid surface between 1.8m to 2.4mm (6ft to 8ft) from the floor.
- away from extreme temperature sources (radiator, ovens, stoves etc.)
- away from direct sunlight.
- indoors only and not behind partitions
- where better RF performance can be achieved (if necessary)

C. Sensor sensitivity
**IMPORTANT!** The Motion Sensor is designed with a built-in sleep timer to save battery power. If there is no movement in front of the PIRs for 3 minutes, the PIRs will become ‘ready to signal’ and movement will now be reported. The Motion Sensor will sleep for 3 minutes after reporting. Any movement detected in sleep time will not be reported, please bear this in mind during system set up.

The sensitivity of the Motion Sensor is adjustable and can be changed by setting the connector, found in the battery compartment, on either the “High”, “Middle” or “Low” position. When the sensitivity is set to “Low”, more movement is required to trigger the sensor. It is recommended to set the sensitivity to “Low” and perform a “Walk Test” (Described in part D). If the walk test result is satisfactory, the sensitivity does not require further adjustment. If the walk test result shows the sensitivity is too low, then the sensitivity can be set to “Middle” or “High” as required. It is recommended that a walk test be conducted after each change in sensitivity setting.

Test Motion Sensor by pressing the test button inside the battery compartment.

D. Walk test
After mounting the sensor at the desired location, it is important to perform a walk test in order to determine if the sensor is detecting the correct area.

The distance at which the sensor can detect motion can be adjusted by altering the angle of the sensor. To reduce the detection range, simply move the sensor downward and move the sensor upward to maximize the range.

Note: Enter into ALERT mode before you perform the walk test, so that the alarm is not triggered.
You should walk in the area that you would like the sensor to monitor. If movement is detected the red light inside the unit will appear. If the red light does not appear, adjust the mounting angle accordingly. Perform the walk test again after 3 minutes. Repeat this procedure until motion is detected. While carrying out the test, there should be no movement in the detection area during the 3 minutes interval.

* Tips: The sensor should not face towards direct sunlight, be placed near heat or cold producing devices (i.e. air conditioning, radiators, fans, ovens, heaters etc.) that may cause false triggers. Also perform the walk test in areas where the sensor is not intended to cover, to ensure movement cannot be detected.

E. Mounting using screws
- Hold the enclosed mounting template against the wall at the selected location and mark the points for drilling.
- Drill the holes and insert wall plugs.
- Attach the bracket to the mounting surface with the screws provided.
- Attach the Motion Sensor to the mounting bracket.

4.2.3 Introduction of Key Fob Remote Control
A. Introduction
The Complete Home Complete Wireless Alarm System Remote Control allows you to operate the systems Smart Panel remotely, from inside or outside the property. Using the control the system can be armed or disarmed and the siren can be activated instantly if required (using the Panic function).

B. Operation
i. Powering up the Key Fob Remote Control
The Remote Control includes a 12V(MN27) alkaline battery. To activate, unscrew and remove the back of the Remote Control, and carefully remove the clear plastic insulation tab from the battery. If the battery is dislodged, replace it noting the correct polarity as shown inside the battery compartment. Replace the battery cover.

ii. Enrolling the Remote Control onto the Smart Panel
**Note:** Before being able to use the Key Fob Remote Control supplied with the system, or any additional Remote Controls, they first need to be enrolled (added onto the system) as follows:
Press \( \text{then} \) to enter the Remote Control Enroll mode. Then press any key on the new Remote Control to enrol it onto the system.

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 {1234/4-digit PIN} +</td>
<td>You must be in STANDBY mode before enrolling a new Remote Control onto the Smart Panel</td>
<td></td>
</tr>
<tr>
<td>2 {1234/4-digit PIN} +</td>
<td>Enter the default PIN &quot;1 2 3 4 &quot; OR your new 4-digit PIN for setting followed by |</td>
<td></td>
</tr>
<tr>
<td>3 |</td>
<td>Press ( \text{then} ) to enter the Remote Control Enroll mode. Then press any key on the new Remote Control to enrol it onto the system.</td>
<td></td>
</tr>
<tr>
<td>4 |</td>
<td>Press ( \text{then} ) to complete the enrolment</td>
<td>Confirm the enrolment and return the Smart Panel to STANDBY by pressing ( \text{an} \text{v} \text{e} \text{r} \text{o} \text{r} \text{a} \text{t} \text{i} \text{e} \text{s} \text{a} \text{c} \text{i} \text{e} \text{d} ) |</td>
</tr>
</tbody>
</table>

**iii. Operating the Key Fob Remote Control**

The remote can be used to arm, disarm, and operate the system instantly.

**ARM** – Pressing the ARM button on the remote will arm the system, triggering the preset exit delay. When triggered the Smart Panel’s LED light will flash Red and indicate the triggered zone.

**DISARM** – Pressing the DISARM button on the remote will disarm the system instantly and the system will return to Standby mode.

**ALERT** – Pressing the ALERT button on the remote will put the system into Alert mode and a chime will sound if any of the sensors are triggered. The Green light on the Smart Panel LED display will flash and indicate the triggered zone.

**HOME** – Pressing the HOME button on the remote will set the system in Home mode which will operate the system in both Arm and Alert modes in different preset zones.

**PANIC** – If the HOME and ALERT buttons are pressed together the systems alarm is immediately activated.

**iv. Deleting a Remote Control from the Smart Panel**

If a Remote Control device is damaged or lost, it can be deleted from the system as follows:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 {1234/4-digit PIN} +</td>
<td>You must be in STANDBY mode before deleting a Remote Control from the Smart Panel</td>
<td></td>
</tr>
<tr>
<td>2 |</td>
<td>Enter the default PIN &quot;1 2 3 4 &quot; OR your new 4-digit PIN for setting followed by |</td>
<td></td>
</tr>
</tbody>
</table>

**v. Querying the ID Number of a Remote Control**

The ID number of a Remote Control device can be identified as follows:
3) Replace and screw back the cover to complete the Zone Code setting.

2) Then pull out the Jumper and reassign it to the new Zone (Zones 1 to 8) as shown in the diagram below.

1) There is a Zone Code Jumper on each Sensor which can be located by removing the Jumper compartment cover.

- After entering into Remote Querying mode, the LCD display will flash the total number of remote controls currently enrolled to the system (e.g. if 3 remotes are enrolled the LCD display will flash “03”).
- The ID No. of the Remote can then be checked by pressing any key on the remote (e.g., if the LCD display flashes “02” then that is the ID of the remote).

Press [ ] then [ ] to go into Remote Querying mode, and then press any key on the remote to check its ID.

4.4 Zone Code settings

Sensors are supplied with pre-assigned Zone settings to make setup easy – the Door/Window Sensors are pre-assigned to Zones 1 & 2 and the Motion Sensor to Zone 8. To assign a Sensor to a different zone, the Zone Code on the Sensor needs to be changed. To change this code, take the following steps with each system module:

1) There are 4 Jumpers/Dip-switches on each device. To locate these remove the battery compartment cover.
2) Then set the Jumpers as shown below (ON-Push in / OFF – Pull out) to change the House Security Code setting. Make sure the Jumpers on the Smart Panel and its Sensors exactly match each other AND the Dip-switch setting on the Key Fob Remote Control.

4.3 House Security Code settings

In most cases the factory settings of the House Security Code will NOT need to be changed. However, if the Smart Panel and Sensors activate intermittently or do not work at all, this may be due to interference with other systems, which can be avoided by changing the House Security Code. To change this code, take the following steps with each system module:

1) There are 4 Jumpers/Dip-switches on each device. To locate these remove the battery compartment cover.
2) Then set the Jumpers as shown below (ON-Push in / OFF – Pull out) to change the House Security Code setting. Make sure the Jumpers on the Smart Panel and its Sensors exactly match each other AND the Dip-switch setting on the Key Fob Remote Control.

- Smart Panel
- Each sensor

Default House Security Code:
1: ON, 2: ON, 3: ON, 4: ON

*Jumper: ON = Pushed in, OFF = Pulled out

- Key Fob Remote Control

Default House Security: 1: ON, 2: ON, 3: ON, 4: ON

Q.1: What is the best way to set up my system? Where should I put my Smart Panel and the sensors?
A.1: We recommend that you take some time in advance to think about the placement of the Smart Panel and Sensors. The best location for the Smart Panel is usually by the main entry/exit point, in a hallway, or in another central location in your home. However, it must be plugged into a power socket, which may dictate where it can be placed.

Q.2: How many Sensors can the Smart Panel support?
A.2: An unlimited number of sensors can be supported by the system, added to different zones in your house, as you see fit.

Q.3: What wireless range should I expect from Sensors?
A.3: The range will vary depending on the type of structure; however, in an open space, the sensors should be capable of transmitting a signal up to 150 metres from the Smart Panel. Determine the location of the sensors and change to a different location for better RF performance.

Q.4: How do I attach my Sensors?
A.4: Adhesive tape and screws are provided for the purpose of securely mounting these items. Please refer to the user guide for more information about mounting the Smart Panel and the wireless sensors.

Q.5: Do I have to programme the Smart Panel?
A.5: The Complete Wireless Alarm System is designed for easy installation. This means that the wireless sensors are in a default setting already registered to the Smart Panel and will therefore function immediately after the sensors are powered up. If you choose to buy additional accessories, these will need to be added to your system using the easy to follow instructions.

Q.6: Can I still use the same system if I move?
A.6: The Complete Wireless Alarm System is completely portable. If you move, you can remove your Smart Panel and wireless accessories and re-install them in your new property.

Q.7: What if I forget my PIN?
A.7: If you forget your PIN, you may press the “Reset” button inside the battery compartment of the Smart Panel and the PIN will be reset to the factory default PIN 1234.

Q.8: Why does my Motion Sensor not respond to movement?
A.8: Motion Sensors are very sensitive so to preserve battery life the Sensor will go to “Sleep” after an event has been identified and reported to the panel. This “Sleep” period lasts 3 minutes, after which, if no activity is detected, the Motion Sensor will again become active and ready to detect other events.

Q.9: Why does my Motion Sensor keep generating false alarms?
A.9: If you have a pet, make sure they have not triggered the system. Remember, sensitivity to pets increases in certain circumstances e.g. the nearer the pet to the Sensor.

5.1 FAQs
5.2 Troubleshooting

AC power failure:
This may occur if your security system is accidentally unplugged or if there has been a main power cut. If a full power failure occurs, please contact your electric company to find out the source of the problem. The back-up battery will continue to run the system for approximately 6 hours.

System battery failure:
This may occur if the emergency back-up battery has been drained and needs to be replaced. If AC power is not restored, the low battery symbol will flash indicating that the Smart Panel back-up battery is running low. The back-up battery should be replaced once the low battery symbol appears.

Sensor failure:
This may occur if a sensor is not communicating with the Smart Panel. It is necessary for you to ensure the House Security Code dipswitch and jumpers of the sensors are set correctly to the Smart Panel.

6.1 Product Information

Wireless systems are reliable and tested to high standards; however, it is important to consider that there are some limitations due to their transmitting power and range:
- Receivers may be blocked by radio signals occurring on or near operating frequencies, regardless of the code selected.
- A receiver can only respond to one transmitted signal at a time.
- Wireless equipment should be tested regularly to determine whether there are sources of interference and to protect against faults.

6.2 Specifications

6.2.1 Smart Panel

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>AC adaptor</td>
</tr>
<tr>
<td>Back up power</td>
<td>9V (6LR61) alkaline battery x1pc</td>
</tr>
<tr>
<td>Sensor numbers</td>
<td>Unlimited</td>
</tr>
<tr>
<td>House Code</td>
<td>4 Jumpers</td>
</tr>
<tr>
<td>Operating frequencies</td>
<td>433.92MHz +/-0.5MHz</td>
</tr>
<tr>
<td>Siren output</td>
<td>120dB (Duration-adjustable)</td>
</tr>
</tbody>
</table>

6.2.2 Key Fob Remote Control

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>12V (MN27) alkaline battery x1pc</td>
</tr>
<tr>
<td>RF working transmission frequency</td>
<td>433.92MHz +/-0.5MHz</td>
</tr>
<tr>
<td>House Code</td>
<td>4 Jumpers</td>
</tr>
<tr>
<td>Wireless range to Smart Panel</td>
<td>&lt;65 meters (open area)</td>
</tr>
</tbody>
</table>

6.2.3 Door/Window Sensor

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>AAA (LR03) alkaline battery 1.5V x2pcs</td>
</tr>
<tr>
<td>RF working transmission frequency</td>
<td>433.92MHz +/-0.5MHz</td>
</tr>
<tr>
<td>House Code</td>
<td>4 Jumpers</td>
</tr>
<tr>
<td>Zone Code</td>
<td>Pin header: 8 pin</td>
</tr>
<tr>
<td>Wireless range to Smart Panel</td>
<td>&lt;150 meters (open area)</td>
</tr>
</tbody>
</table>

6.2.4 Motion Sensor

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>9V (6LR61) alkaline battery x1pc</td>
</tr>
<tr>
<td>RF working transmission frequency</td>
<td>433.92MHz +/-0.5MHz</td>
</tr>
<tr>
<td>PIR detection angle</td>
<td>110 Degree (@9VDC)</td>
</tr>
<tr>
<td>PIR detection range</td>
<td>&quot;H&quot;:&lt;15M &quot;M&quot;:&lt;6M &quot;L&quot;:&lt;4M</td>
</tr>
<tr>
<td>House Code</td>
<td>4 Jumpers</td>
</tr>
<tr>
<td>Zone Code</td>
<td>Pin header: 8 pin</td>
</tr>
<tr>
<td>Wireless range to Smart Panel</td>
<td>&lt;150 meters (open area)</td>
</tr>
<tr>
<td>Power saving timer</td>
<td>3 minutes</td>
</tr>
</tbody>
</table>

6.3 Maintenance

The product may be cleaned with a soft damp cloth and then wiped dry. Do not use abrasive, solvent based or aerosol cleaners as this may damage and/or discolor the product. Do not allow water to enter or attempt to clean the inside of the unit.

6.4 Batteries

Do not allow batteries to corrode and leak as this may cause permanent damage to the product. Take care to insert the batteries with the correct polarity as shown inside the battery compartments. Do not mix new and old batteries or different types of batteries. Do not fit rechargeable batteries. At the end of their useful life the batteries should be disposed of via a suitable Recycling Centre. Do not dispose of with your normal household waste. DO NOT BURN.
FCC STATEMENT

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
Innovative Technology Electronics Corp.
Limited Warranty: 90 Days Labor, One Year Parts

Innovative Technology Electronics Corp. (IT) warrants the product to be free from “Defects” in materials under normal use for a period of “One Year” from the date of the original purchase. The Warranty is “Not” transferable. IT agrees, within the initial “90 Day” period, to repair or replace the product if it is determined to be defective at “No Charge”. It is further agreed that IT will cover the cost to repair or replace damaged “Parts” only for a total period of “One Year” from the date of the original purchase. The warranty does not cover cosmetic damage, antennas, AC cords, cabinets, headbands, ear-pads, or damage due to line power surges, connection to improper voltage supply or settings, misuse, mishandling, accident, acts of God or attempted repair by an unauthorized service agent.

To obtain service, the purchaser MUST present an original sales receipt / proof of purchase. Please contact us at www.ithomeproducts.com to request an RMA (Return Material Authorization) number to return products for service or replacement. Returns without an RMA number on the package will be refused and returned to sender. Upon receipt of the returning item and our full inspection (IT) may issue a replacement to customer for the same item or one that has equivalent value and features. To return an item, supply full name, return address, phone number, item purchased, receipt of purchase and reason for return to obtain RMA number.

All returns must be in the original packaging or reasonable substitute to prevent damage. Customer “Must” include full name, shipping address and telephone number inside of package. No return will be shipped back to a PO Box or APO address. Please include your check or money order in the amount of

- USD$5.00 for items $10.00 to $39.99 (Price Paid Per Unit)
- USD$10.00 for items $40.00 to $99.99. (Price Paid Per Unit)
- USD$16.00, for items $100.00 and up. (Price Paid Per Unit)
- Shipping fees are non-refundable

to be payable to Innovative Technology Electronics Corp. (for handling and return shipping charges) (IT) will not be responsible for delays or unprocessed claims resulting from a purchaser’s failure to provide any / all of the necessary information. Send all inquiries or RMA request via our website www.ithomeproducts.com/support.

Innovative Technology Electronics Corp.
1 Channel Drive
Port Washington, NY 11050
Toll free: 1-877-483-2497
Website for support: www.ithomeproducts.com/support

There are no express warranties except as listed above.
REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CUSTOMER, (IT) SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.
Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.