



User Guide

Wireless Home Alarm WS100S



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Section 1 – Getting Started

1.1 General System Overview

CAUTION! 9V battery in the Smart Panel is for power backup purposes only and you should ensure proper AC power is supplied to the Smart Panel at all times.

Difficulty in disarming the Smart Panel in alarm mode may occur when it is powered by battery alone. This is not a malfunction, and can be resolved by the use of a fresh 9V battery and a properly plugged in DC source from the AC/DC adaptor included.

IMPORTANT! Due to the strong signal of the alarm, we advise that you change the house code settings following section 4.3 of this manual, if you suspect that one of your in-range neighbors may also be using this alarm system.

Alarm System Limitations

Even the most advanced alarm systems cannot guarantee 100% protection against burglary or environmental problems. All alarm systems are subject to possible compromise or failure-to-warn for a variety of reasons.

*Please note that you may encounter problems with your System if:

- The Sensors are not placed within hearing range of persons sleeping or remote parts of the premises.
- The Sensors are placed behind doors or other obstacles.
- Intruders gain access through unprotected points of entry (where sensors are not located).
- Intruders have the technical means of bypassing, jamming, or disconnecting all or part of the system.
- The power to the sensors is inadequate or disconnected.
- The Sensors are not located in proper environmental/temperature conditions i.e. too close to a heat source.

* Inadequate maintenance is the most common cause of alarm failure; therefore, test your system at least once per week to be sure the Sensors and sirens are working properly.

*Although having an alarm system may make you eligible for reduced insurance premiums, the system is no substitute for insurance.

WARNING: Security system devices cannot compensate for loss of life or property.

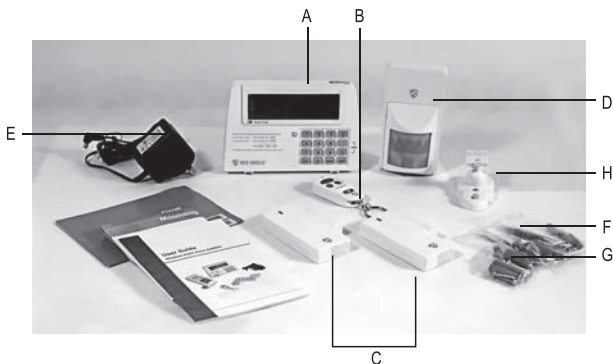
1.2 Introduction to the System

The Wireless Home Alarm WS100S is a high quality security system combined with user-friendly features that allow you to know the state of security of your home at all times. The System is managed by a Smart Panel, which gathers information from wireless sensors placed inside and at the entry points of your home. If the Smart Panel detects a security breach, you will be alerted via indicator lights and sounds. For installation and proper use of the Smart Panel, please familiarise yourself with this User Guide.

1.3 Items included with the System

Please check that all of the following items were included in the package before installing the System:

- | | |
|---|---------------------------------------|
| A. Smart Panel | G. Screws & Screw Jackets |
| B. Key Fob Remote | H. Mounting Bracket for Motion Sensor |
| C. Door/Window Sensor | ■ Mounting Template |
| D. Motion Sensor | ■ Quick Start Guide |
| E. AC Adaptor for Smart Panel | ■ User Guide |
| F. Double-Sided Adhesive for Door/Window sensor | |



1.4 Introduction to the Smart Panel

LCD Screen:



Function Buttons:



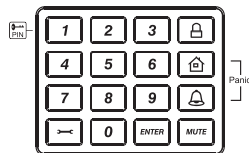
Programming Buttons:



Other

"9V DC INPUT" port	For AC Adaptor
Siren output	120dB
Battery Compartment:	For 9V Alkaline Battery Backup 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 "Reset" button and enter factory default PIN " 1 2 3 4 " followed by to restore factory setting

Keypad:



Numeric Buttons:



1.5 Introduction to the Smart Panel Sound Alert and Backlight

	Operating Mode	Situation	Sound Alert and Backlight Indication
1	ARM	Zone triggered under ARM status	Alarm Duration: 1 minute (Siren) Whole Smart Panel (All in RED) flashes every 1.5seconds with triggered zone indication (To stop enter your 4-Digit PIN and press ENTER)
		Strong deterrence under ARM status	Whole Smart Panel (All in RED) flashes every 5seconds acting as strong deterrence. This, however, must be differentiated from the situation where an intrusion has occurred, resulting in the panel rapidly flashing in RED continuously.
2	HOME	Zone triggered under ARM status	Alarm Duration: 1 minute (Siren) Whole Smart Panel (All in RED) flashes every 1.5seconds with triggered zone indication (To stop enter your 4-Digit PIN and press ENTER)
		Zone triggered under Alert status	Sound Output: Chime (Ding-Dong) Whole Smart Panel (All in GREEN) flashes every 1.5seconds with triggered zone indication (To stop panel flashes press MUTE)
3	ALERT	Zone triggered under Alert status	Sound Output: Chime (Ding-Dong) Whole Smart Panel (All in GREEN) flashes every 1.5seconds with triggered zone indication (To stop panel flashes press MUTE)
4	STANDBY	Silent	Yellow backlight ON for 10secs. after enter into STANDBY mode

Section 2 - Installing the Wireless Home Alarm WS100S

2.1 Installing the Smart Panel

Determine the location of the Smart Panel:


*Note:

- The panel should be placed within a few feet of an electrical outlet.
- The panel should be easily accessible.
- The panel should not be placed near doors or windows that could be accessed by intruders.
- The panel should not be placed near extreme temperature sources (ovens, stoves etc.) or near large metal objects that could interfere with the wireless performance.









Once you have selected a location for the Smart Panel, you are ready to begin powering up the System.

2.2 Powering up the Control Panel

Unscrew the battery compartment and remove the cover. Insert a new battery noting the polarity. Plug in the AC adaptor to the Smart Panel and connect it to a wall socket. Replace the cover and the screw.



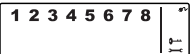
Step	Description	Note
1	Insert 9V Alkaline backup battery	<p>- You will hear one beep and the backlight will blink within 1 second (Yellow → Red → Green → Yellow) The Smart Panel will display the below image:</p>  <p>- The Smart Panel will enter "STANDBY" mode after the automatic self-checking is complete. - Enter the default 4-Digit PIN "1, 2, 3, 4"</p>
2	Plug in AC adapter to the DC socket	The AC power supply must be plugged in at all times; a 9V battery functions as BACK UP power supply only when the AC power supply is interrupted.









2.3 Understanding the Battery and AC Adaptor Symbols

<p>Battery icon shows power status below:</p> <p>Full - </p> <p>High - </p> <p>Middle - </p> <p>Low - </p>	<p>Battery icon shows when the AC power supply is unplugged or interrupted. 9V battery functions as BACK UP and the  symbol means LOW BATTERY, the LCD Backlight flashes yellow for 30 sec. and  will blink until the new battery is replaced or the AC power supply is plugged in.</p>
<p>AC Adaptor icon</p> 	<p>When the AC adaptor to the Smart Panel connected to a wall socket, the AC symbol  will appear. The backlight will be 'ON' for 10secs while the AC adapter connects to the power supply.</p>

Section 3 – Using the Wireless Home Alarm WS100S

3.1 Programming your new 4-Digit PIN

Step	Keys	Description	Note
1	<p>1 2 3</p> <p>4</p> <p>+</p> <p>ENTER</p>	You must be in STANDBY mode before programming your new PIN	<p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the factory default PIN "1, 2, 3, 4" - Press ENTER - The symbol "  " will disappear 
2	<p><</p> <p>+</p> <p>1</p>	Setting the new PIN	<p>Press < then 1 to set the new PIN The Smart Panel will display the below image :</p> 

3	 + 4-DIGIT PIN + 	Entering the new PIN	Press  then enter a 4-Digit PIN (Choose from digits 0 to 9) and press  to confirm
4	 + 4-Digit PIN 	Re-entering new PIN for confirmation	Press  then re-enter your 4-Digit PIN and press  for final confirmation * One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed.

3.2 Transmitting Emergency Signal







3.2.1 Panic Signal

Pressing  &  buttons together on the Keypad / Key Fob Remote for instantaneous emergency response

3.2.2 Panic Signal without a Siren

If you are forced to disarm the System, enter the Duress Password to stop the siren from sounding; the Smart Panel will silently transmit the alarm signal to the optional response devices(Auto Dialer & Outdoor Bell Box) for emergency help.

Duress Password:

Enter the default 4-Digit PIN =     +  + 

OR



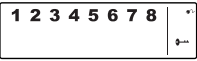
Enter your personalised 4-digit PIN +  + 

3.3 Operating different Modes

The system consists of 4 Operating Modes (STANDBY, ARM, ALERT, and HOME) to suit the user's needs. You may select from the 4 modes to be applied to the sensors.

3.3.1 STANDBY

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

Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ARM mode	*To make sure you are in STANDBY mode: - Enter the default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The LCD screen will display the below image while you were in STANDBY mode:  (One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).

3.3.2 ARM Mode

If in Arm Mode, the Smart Panel alarm will sound and the whole Smart Panel (All in RED) flashes every 1.5seconds when the system is triggered.



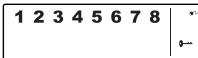





ARM mode default setting:

Sensor	Zone	Status (MODE)
Door/Window Sensor	1	ARM
Door/Window Sensor	2	ARM
Motion Sensor	8	ARM

A. Arming the System

On the Smart Panel: First make sure the Smart Panel is in STANDBY mode by following steps below for arming the system:

On the Key Fob Remote: Press  to activate.

Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ARM mode	<p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The Smart Panel will display the below image while you were in STANDBY mode:  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
2	4-DIGIT PIN +  + 	Enter 4-DIGIT PIN, press  and  for ARM mode	<p>Exit delay: up to 15 seconds</p> <ul style="list-style-type: none"> - There is a 15 seconds. exit delay time with a visual count down before the system is armed. - If the Zone is enabled, a number will appear as displayed in the image below:  <p>-The System will then enter ARM mode after 15 seconds.</p>

After entered into ARM mode, the Smart Panel flashes (All in RED) once every 5 seconds, acting as a strong deterrence. This, however, must be differentiated from the situation where an intrusion has occurred, resulting in the panel rapidly flashing in RED continuously.



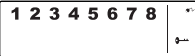


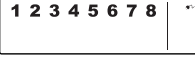







Once an intrusion has occurred (zone triggered under ARM status), alarm siren will sound 1 minute and the Whole Smart Panel (All in RED) flashes every 1.5seconds with triggered zone indication. After the initial triggering, the alarm will trigger again immediately upon opening of the door without the entry delay.

B. Disarming the System

- On the Smart Panel: Enter your 4-Digit PIN followed by  to disarm the system.
- On the Key Fob Remote: Press  to disarm the system





C. Zone Settings

Programming each zone in ARM mode:

Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ARM mode	<p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The Smart Panel will display the below image:  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
2	4-DIGIT PIN) 	Enter 4-DIGIT PIN for setting followed by 	<p>The Smart Panel will display the below image:</p>  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
3	 	Press  then  to set the ARM mode	<ul style="list-style-type: none"> - 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: 
4		Press  to Complete the setting	After the setting is completed, return the Smart Panel to STANDBY for mode selection.

D. Triggers in ARM Mode

Example: Zone 1 trigger

Step	Description	Note
1	Under the "ARM" Mode	The Smart Panel will display the below image:  Smart Panel's alarm will sound and a Red LED and  will flash when the system is triggered.
2	System trigger	 One beep indicates that the system is triggered.
3	Entry delay 30 seconds	There are 30secs. of entry delay time with visual count down for disarming. Once an intrusion has occurred (zone triggered under ARM status), alarm siren will sound 1 minute and the Whole Smart Panel (All in RED) flashes every 1.5seconds with triggered zone indication until the system is disarmed. *To disarm the system, enter the 4-Digit PIN or press  on the remote control to exit the current mode.
4	Return to ARM Mode after the initial triggering	After this initial triggering, the alarm will trigger again immediately upon opening of the door without the entry delay.

3.3.3 ALERT Mode

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

ALERT mode default setting:








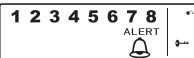
Sensor	Zone	Status (MODE)
Door/Window Sensor	1	ALERT
Door/Window Sensor	2	ALERT
Motion Sensor	8	ALERT

A. Entering ALERT Mode

- First make sure the Smart Panel is in STANDBY mode

On the Smart Panel: First make sure the Smart Panel is in STANDBY mode by following steps below for entering into ALERT mode:

On the Key Fob Remote: Press  to activate.



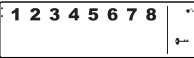


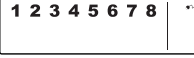
Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ALERT mode	<p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The Smart Panel will display the below image when in STANDBY mode:  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
2	4-DIGIT PIN +  + 	Enter 4-DIGIT PIN, press  and  for ALERT mode	<ul style="list-style-type: none"> - The System will then enter ALERT Mode - If the Zone is enabled, a number will appear as displayed in the image below: 








B. Exiting the ALERT mode

- On the Smart Panel: Enter your 4-Digit PIN followed by  to exit ALERT mode.
- On the Key Fob Remote: Press  to exit ALERT mode.

C. Zone Settings

Programming each zone in ALERT Mode:

Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ALERT mode	<p>You must be in STANDBY mode</p> <p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The Smart Panel will display the below image:  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
2	4-DIGIT PIN + 	Enter 4-DIGIT PIN for setting followed by 	<p>The Smart Panel will display the below image:</p>  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>

3	 + 	Press  then  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: 
4		Press  to complete the setting	After setting is completed, the Smart Panel will return to STANDBY mode, ready for mode selection.

3.3.4 HOME Mode

There are default settings that allow the system to operate after opening the package. You can adjust the settings to suit your needs. This mode allows the system operate in both the Arm and Alert Modes in different zones.



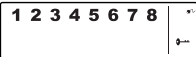





HOME mode default setting:

Sensor	Zone	Status (MODE)
Door/Window Sensor	1	ALERT
Door/Window Sensor	2	ALERT
Motion Sensor	8	ARM

A. Entering the HOME mode

On the Smart Panel: First make sure the Smart Panel is in STANDBY mode by following steps below for entering into HOME mode:

On the Key Fob Remote: Press  to activate.



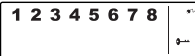












Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to HOME mode	*To make sure you are in STANDBY mode: - Enter the default PIN "1, 2, 3, 4" OR your new 4-Digit PIN - Press  - The Smart Panel will display the below image while STANDBY mode:  (One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).
2	4-DIGIT PIN +  + 	Enter 4-DIGIT PIN, press  and  for HOME mode	- Then System will enter HOME mode - If the Zone is enabled, a number will appear as displayed in the image below: 

B. Exiting the HOME mode

- On the Smart Panel: Enter your 4-Digit PIN followed by  to exit HOME mode.
- On the Key Fob Remote: Press  to exit HOME mode.

C. Zone Settings

Programming each zone in HOME Mode:

Step	Keys	Description	Note
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to HOME mode	<p>You must be in STANDBY Mode before any steps. * To make sure you are in STANDBY mode: - Enter default PIN of *1, 2, 3, 4* or your 4-Digit PIN - Press  . - The LCD screen will display the below image:</p>  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
2	4-DIGIT PIN + 	Enter 4-DIGIT PIN for setting followed by 	<p>The Smart Panel will display the below image:</p>  <p>(One beep indicates that you entered a valid PIN; Three beeps indicate that an invalid operation was performed).</p>
3	 + 	Press  then  to set the HOME mode	<p>Toggle 1, 2, 3, 4, 5, 6, 7, 8 to turn each zone in different mode</p> <ul style="list-style-type: none">  Indicates ALERT mode for a zone  Indicates ARM mode for a zone <input type="checkbox"/> Indicates the zone is turned OFF, number will not appear <p>- The LCD screen will display the below image (example)</p> 
4		Press  to complete the setting	After setting is completed, the Smart Panel will return to STANDBY Mode, ready for mode selection.

Section 4 – Installing the Sensors

4.1 Introduction to the Sensors

This package includes 3 wireless Sensors and 1 Key Fob Remote, which have a pre-programmed default setting that begins working immediately once the battery is activated. 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 not be easily accessible.
- The Sensors should be placed in the most vulnerable rooms or near key entry points.
- The Sensors should not be placed near extreme temperature sources (ovens, stoves etc.) or near large metal objects that could interfere with the wireless performance.
- If necessary, change to a different location for better RF performance.

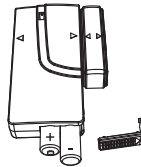
Once you have selected a location for the Sensors, you are ready to begin powering up the System.

4.2.1 Installing the Door/Window Sensor

The Door/Window Sensor consists of two pieces. The sensor detects when a door or a window is opened. The two parts are fastened near the door or the window. One part functions as the transmitter and the other as the magnet. Once the Sensor is installed, any abnormality in the circuit will trigger an alert message that is transmitted to the Smart Panel. 1 x Door/Window Sensor is pre-programmed in Zone 1 and the other one is set in Zone 2; however, the settings can be adjusted according to your needs. (See 3.3 & 4.3 Zone Settings)

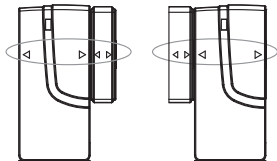
A. Powering up the the Door/Window Sensor

- Remove the battery cover; insert new batteries noting the polarity as shown in the diagram below; replace the cover. (Requires 2 - AAA batteries)
- Low Battery indication, If the batteries need to be replaced, a slow flashing of the RED LED will indicate low battery.



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.
- The transmitter side marked with a "> / <" must at same position in both sides per diagrams.
- The transmitter and the magnet must be no more than 5mm apart.



C. Mounting with the Double-Sided Adhesive

- 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.

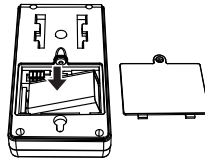
4.2.2 Installing the Motion Sensor

Motion Sensor is designed to sense movement in a given area. Notes: It is best if pets are not allowed onto higher surfaces so that the sensors are not triggered unnecessarily (no more than 1 meter high) and the increasingly sensitive of sensor to the closer movement.

A. Powering up the Motion Sensor

Remove the battery cover; insert a 9V battery noting the polarity as shown in diagram below; replace cover. (Requires 1 x 9V battery)

- Low Battery indication, if the batteries need to be replaced, a slow flashing of the RED LED will indicate low battery (not including entry / exit delay flashing).



B. Installing the Motion Sensor

- First, determine the location of the Motion Sensor.

*Note:

- The Sensor should not be easily accessible.
- The Sensor should be placed in the most vulnerable rooms or near key entry points.
- Place the Sensor on a sturdy surface between 1.8m to 2.4mm (6ft to 8ft) from the floor.
- The Sensor should not be placed near extreme temperature sources (ovens, stoves etc.)
- The Sensor should not be placed in direct sunlight.
- Do not install the Sensor outdoors or behind partitions.
- If necessary, change to a different location for better RF performance

C. Sensor Sensitivity

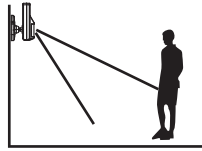
IMPORTANT! The Motion Sensor is designed with a power saving program. The Motion Sensor will remain inactive for 3 minutes after each detection. Thus, during system set up, please bare in mind of this feature during system set up.

The sensitive of the motion sensor is adjustable. Change the setting by placing the connector 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 to be adjusted further. If the walk test result shows the sensitivity is too low, then you can change the sensitivity setting to "Middle" or "High" accordingly. Please perform the walk test after changing the sensitivity setting.

D. Walk Test

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

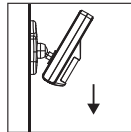
In order to control how far the sensor can detect motion, you can adjust the angle of the sensor. To reduce the detection range, simply move the sensor downward and move the sensor upward to maximum the range. Notes: Enter into Alert mode before you perform the walk test, so that the alarm is not triggered.



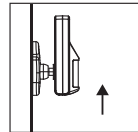
You should walk in the area that you would like the sensor to monitor. If movement is detected the red light inside the unit will appear. If the red light does not appear, adjust the mounting angle accordingly.

Perform the walk test again after 3 minutes. Repeat this procedure until your motion is detected. There should be no movement in the detected area during the 3 minutes.

* Tips: The sensor should not face towards direct sunlight, be placed near heat or cold producing devices (i.e. A/C, fans, ovens, heaters etc.) that may cause false triggers. Perform walk test in the undesired area to ensure movement cannot be detected.



Move the sensor downward to reduce the range.



Move the sensor upward to maximize the range

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

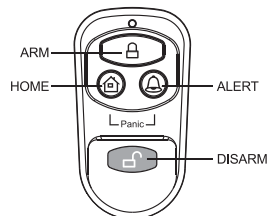
The Key Fob Remote allows you to operate the Smart Panel remotely. You can arm the system, disarm the system and activate the alarm instantly.

It's fitted with a 12V alkaline battery; unscrew and remove the casing of the Key Fob Remote, carefully remove the battery insulation tab from between the batteries. If the battery is dislodged replace them noting the correct polarity shown inside the battery compartment. Replace the battery cover.

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

ARM – Pressing the arm button on the key fob remote will arm the system, which will result in a 30- second exit delay. Arm LED of Smart Panel will flash and indicate triggered zone

DISARM – Pressing the disarm button on the key fob remote will disarm the system instantly. The system will return to standby mode.



ALERT – Pressing the “Alert” button on the key fob remote, the system will enter into alert mode which chime will sound, Green backlight will flash and indicate triggered zone

HOME – Pressing the “Home” button on the key fob remote, the system will enter into home mode which will operate in both the Arm and Alert Modes in different preset zones.



PANIC – Pressing “Home” and “Alert” buttons together for instantaneous emergency response

4.3 House Security Code and Zone Code Settings

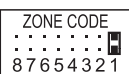
You can change the house security code on each sensor, smart panel and other modules of your security system to avoid interference with other systems.

In most cases you will NOT need to change the factory settings of the house security code. If the Smart Panel and sensors activate intermittently or do not work at all, you may be able to solve the problem by changing the house security codes on all system modules.

Step 1: There are 4 jumpers/dip-switches on each device. Remove the jumper compartment cover, then pull out the Jumper to change the house security code setting and make sure the jumpers on the Smart Panel and its sensors match exactly.

Jumpers for house security code		-Smart Panel -Each sensor - Motion Sensor Default house code: 1: ON, 2: ON, 3: ON, 4: ON *Jumper: ON = Plugged, OFF = Pull Out
Dip-Switches for house security code		- Key Fob Remote Default house code: 1: ON, 2: ON, 3: ON, 4: ON

Step 2: There is 1 jumper on each sensor. First to determine the location of the sensor in your home, then remove the jumper compartment cover. Pull out the jumper and reassign it to the target zone (zone 1 to 8), replace and screw the cover to complete the zone code setting.

Jumper for Zone Code		Default zone code: Door/Window sensor – Zone 1 Door/Window sensor – Zone 2 Motion sensor – Zone 8
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Section 5 - Troubleshooting

5.1 FAQ

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 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. The Smart Panel must be plugged into a power socket, which may dictate where it can be placed.

*Please note that the alarm is pre-programmed with default settings, allowing you a pre-determined amount of time to enter (30 seconds) and exit (15 seconds) before the alarm sounds. If the Smart Panel is not near your front door you can use the Key Fob to disarm the system.

Q.2: How many Sensors can the Smart Panel support?

A.2: An unlimited number of sensors can be supported by the system; you can add 'Optional Sensors' 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 first 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 Wireless Home Alarm is designed for easy self-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.

*Note: Due to the strong signal of the alarm, we advise that you change the house code settings following section 4.3 of this manual, if you suspect that one of your in-range neighbors may also be using this alarm system.

Q.6: Can I still use the same System if I move?

A.6: The Wireless Home Alarm 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 and the PIN will be reset to the factory default PIN "1, 2, 3, 4".

Q.8: Why does my Motion Sensor not respond to movement?

A.8: Motion Sensor 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.

5.2 Troubleshooting

AC Power Failure:

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

System Battery Failure:

This may occur if the emergency backup 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 backup 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.

Section 6 – General Information

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

Power source:	AC adaptor
Back up power:	9V alkaline battery x1pc
Sensor numbers:	Unlimited
House code:	4 Jumpers
Operating frequencies:	433.92MHz +/-1MHz
Siren output:	120dB (Duration - 1 minute)

6.2.2 Key Fob Remote

Power source:	12V Alkaline battery x 1pc
RF working transmission frequency:	433.92MHz +/-1MHz
House code:	4 Jumpers
Wireless range to Smart Panel:	> 50M Open Area

6.2.3 Door/Window Magnetic Sensor

Power source:	"AAA" Alkaline battery 1.5V x 2pcs
RF working transmission frequency:	433.92MHz +/-1MHz

House code:	4 Jumpers
Zone code:	Pin header: 8 pin
Wireless range to Smart Panel:	>150M Open Area

6.2.4 Motion Sensor

Power source:	9V Alkaline battery x1pc
RF working transmission frequency:	433.92MHz +/-1MHz
PIR detection angle:	>110 Degree (@9VDC)
PIR detection range:	"H": > 15M "M": >6M "L": > 4M
House code:	4 Jumpers
Zone code:	Pin header: 8 pin
Wireless range to Smart Panel:	>150M Open Area
Power saving timer:	3 minutes

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 discolour 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.

