



HomeGuardian®

4902000

HWS100 Wireless Home Security System



Owner's Manual

WARNING:

Security system devices cannot compensate for loss of life or property. Company is not responsible for any loss or intrusion.

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Section 1 - Getting Started

1.1 General System Overview

CAUTION! 9V battery in the main panel is for power backup purposes only and you should ensure proper AC power is supplied to the main panel at all times. Difficulty in disarming the main 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 adapter included. (batteries not 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

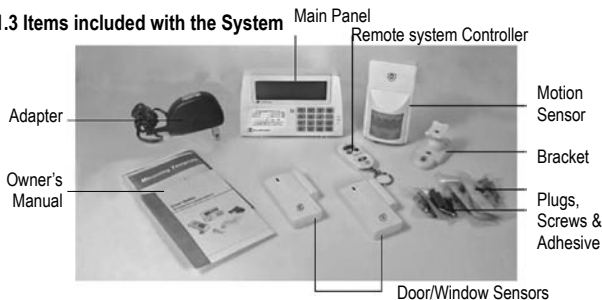
The HWS100 Wireless Home Protection System is a high quality security system combined with user-friendly features that allow you to know the state of security of your home at all times. The System is managed by a HWS100 main panel, which gathers information from wireless sensors placed inside and at the entry points of your home. If the HWS100 main panel detects a security breach, you will be alerted via indicator lights and sounds. For installation and proper use of the HWS100 main panel, please familiarise yourself with this User Guide.

1.3 Items included with the System

- | | |
|------------------------------|---|
| A. HWS100 Main Panel | F. Double-Sided Adhesive for Door/Window sensor |
| B. Remote System Controller | G. Screws & screw anchors |
| C. Door/Window Sensor | H. Mounting Bracket for Motion Sensor |
| D. Motion Sensor | • Mounting Template |
| E. AC Adapter for Main Panel | • Quick Start Guide and User Guide |

Section 1 - Getting Started

1.3 Items included with the System



1.4 Introduction to the HWS100 Main Panel

LCD Screen



Function Buttons



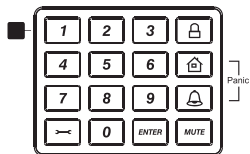
Programming Buttons



Other

9 volt DC input port	For AC adapter
Siren Output	120dB
Battery Compartment	For 9V alkaline battery backup battery (not included)
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 and enter the factory default PIN number "1 2 3 4" followed by [ENTER] to restore the factory setting

Keypad



Numeric Buttons



Section 1 - Getting Started

1.5 Introduction to the HWS100 Main Panel Sound Alert and Backlight

tie

	OPERATING MODE	SITUATION	SOUND ALERT & BACKLIGHT INDICATION
1	ARM	Zone triggered under ARM status	Alarm duration 1 minute (Siren) Whole HWS100 Main Panel (All in RED) flashes every 1.5 seconds with triggered zone indication (To stop-enter your 4-digit PIN and press ENTER)
		Strong deterrence under ARM status	Whole HWS100 Main Panel (All in RED) flashes every 5 seconds acting as strong deterrence. This, however, must be differentiated from a 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 HWS100 Main Panel (All in RED) flashes every 1.5 seconds 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 HWS100 Main Panel (All in GREEN) flashes every 1.5 seconds with triggered zone indication (To stop panel flashes press MUTE)
3	ALERT	Zone triggered under ALERT status	Sound Output: Chime (Ding-Dong) Whole HWS100 Main Panel (All in GREEN) flashes every 1.5 seconds with triggered zone indication (To stop panel flashes press MUTE)
4	STANDBY	Silent	Yellow backlight ON for 10 seconds after entering into STANDBY mode

Section 2 - Installing the Wireless Home Protection System

2.1 Installing the Main Panel

Determine the location of the main 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 Main Panel

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

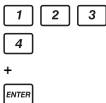






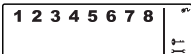






STEP	DESCRIPTION	NOTE
1	Insert 9V Alkaline battery (not included)	<p>- You will hear one beep and the backlight will blink within one second (Yellow → Red → Green → Yellow) The Main Panel will display the image below:</p>  <p>The Main Panel will enter "STANDBY" mode after the automatic self-checking is complete. - Enter the default 4-digit PIN "1 2 3 4".</p>
2	Plug in AC adapter to the DC socket 	<p>- 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.</p>

2.3 Understanding the Battery and AC Adapter 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.</p> <p>9V battery functions as BACKUP 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 adapter icon </p>	<p>When the AC adapter to the Main Panel is connected to a wall outlet, the AC symbol  will appear.</p> <p>The backlight will be "ON" for 10 secs while the adapter connects to the power supply.</p>



Section 3 - Using Your HWS100 Home Protection System

3.1 Programming Your New 4-Digit PIN

STEP	KEYS	DESCRIPTION	NOTE
1		You must be in STANDBY mode before programming your new PIN	*To make sure you are in STANDBY mode: - Enter the factory default PIN "1, 2, 3, 4" - Press  - The symbol "  " will disappear 
2		Setting the new PIN	Press  then  to set the new PIN The Main Panel will display the below image : 
3		Entering the new PIN	Press  then enter a 4-digit PIN (Choose from 0 to 9) and press  to confirm
4		Re-entering the 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 / Remote System Controller 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 Main 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 +  + 



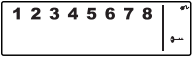
Section 3 - Using Your HWS100 Home Protection System

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 Main 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 default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  The LCD screen will display the below image while you are 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 Main Panel alarm will sound and the whole HWS100 Main Panel (All in RED) flashes every 1.5 seconds 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

Section 3 - Using Your HWS100 Home Protection System

A. Arming the System:

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

On the Remote System Controller: Press  to activate.

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 default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  The Main Panel will display the below image while you are in 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 ARM mode	Exit delay: up to 15 seconds - 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:  -The System will then enter ARM mode after 15 seconds.

After entered into ARM mode, the Main 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 one minute and the whole Main Panel (All in RED) flashes every 1.5 seconds with triggered zone indication. After the initial triggering, the alarm will trigger again immediately upon opening of the door without the entry delay.



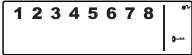







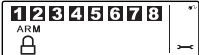


Section 3 - Using Your HWS100 Home Protection System

B. Disarming the System:

- On the Main Panel: Enter your 4-Digit PIN followed by  to disarm the system.
- On the Remote System Controller: Press  to disarm the system .

C. Zone Settings



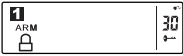

Programming each zone in ARM mode:

STEP	KEYS	DESCRIPTION	NOTE
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ARM mode	*To make sure you are in STANDBY mode: - Enter the default default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  The Main Panel will display the below image while you are in 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 for setting followed by 	The Main Panel will display the below image:  One beep indicates that you entered a valid PIN; three beeps indicate that an invalid operation was performed).
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 Main Panel will display the below image: 
4		Press  to complete the setting	After the setting is completed, return the Main Panel to STANDBY for mode selection.

Section 3 - Using Your HWS100 Home Protection System

D. Triggers in ARM Mode:

Example: Zone 1 trigger.

STEP	DESCRIPTION	NOTE
1	Under the "ARM" mode	The Main Panel will display the below image:  Main Panel's alarm will sound and a Red LED and  will flash when the system is triggered.
2	System trigger	The Main Panel will display the below image:  One beep indicates that the system is triggered.
3	Entry delay 30 seconds	There are 30 secs. of entry delay time with visual count down for disarming. Once an intrusion has occurred (zone triggered under ARM status), alarm siren will sound for one minute and the panel (All in RED) flashes every 1.5 seconds 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 Main Panel chime will sound and the whole Main Panel (All in GREEN) flashes every 1.5 seconds 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



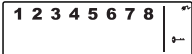





Section 3 - Using Your HWS100 Home Protection System

A. Entering the ALERT Mode

- First make sure the Main Panel is in STANDBY mode.


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

On the Remote System Controller: Press  to activate.

STEP	KEYS	DESCRIPTION	NOTE
1	(1234 / 4-DIGIT PIN) + 	You must be in STANDBY mode before turning to ALERT mode	*To make sure you are in STANDBY mode: - Enter the default default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  The Main Panel will display the below image while you are in 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 AALERT mode	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






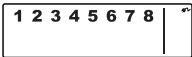







- On the Main Panel: Enter your 4-digit PIN followed by  to exit the ALERT mode.

- On the Remote System Controller press  to exit the ALERT mode.

Section 3 - Using Your HWS100 Home Protection System

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 ARM mode	<p>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the default default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  <p>The Main Panel will display the below image while you are in STANDBY mode:</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 Main 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	<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 Main Panel will display the below image: 
4		Press  to complete the setting	After the setting is completed, the Main Panel will return to STANDBY mode, ready for mode selection.

Section 3 - Using Your HWS100 Home Protection System

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.



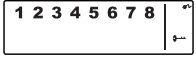





HOME mode default setting:

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

On the Remote System Controller: Press  to activate.

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 default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  The Main Panel will display the below image while you are in 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






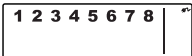









- On the Main Panel: Enter your 4-digit PIN followed by  to exit the HOME mode.

- On the Remote System Controller press  to exit the HOME mode.

Section 3 - Using Your HWS100 Home Protection System

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>*To make sure you are in STANDBY mode:</p> <ul style="list-style-type: none"> - Enter the default default PIN "1, 2, 3, 4" OR your new 4-digit PIN - Press  <p>The LCD screen will display the below image while you are in STANDBY mode:</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 Main 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	<ul style="list-style-type: none"> - Toggle 1, 2, 3, 4, 5, 6, 7, 8 to turn each zone into a different mode  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 - The LCD screen will display the below image (example) 
4		Press  to complete the setting	After the setting is completed, the Main 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 one Remote System Controller, which will 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 personalize 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.

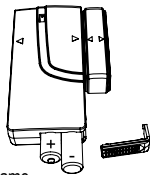
Once you have selected a location for the Sensors, you are ready to begin powering up the System.

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 Main 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).

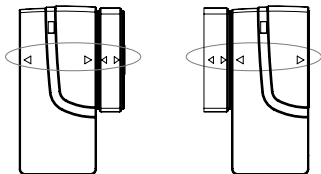
A. Powering up the Door/Window Sensor

- Remove the battery cover; insert new batteries noting the polarity as shown in the diagram below; replace the cover. Requires 2 - AAA batteries (not included).
- 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

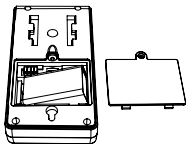
- Mount the transmitter on a fixed surface such as a door or a window frame.
- Mount the magnet on a movable surface such as a door or a window.
- **The transmitter side marked with a “ > / < ” must at same position in both sides per diagrams**
- **The transmitter and the magnet must be no more than 5mm apart.**



Section 4 - Installing the Sensors

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 one meter high).

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 (not included).

- 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 2.4m (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 bear this feature in mind.

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.

Section 4 - Installing the Sensors

D. Walk Test

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

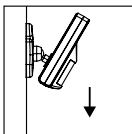
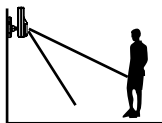
In order to control how far the sensor can detect motion, you can adjust the angle of the sensor. To reduce the detection range, simply move the sensor downward and move the sensor upward to maximum the range.

NOTE: Enter into Alert mode before you perform the walk test, so that the alarm is not triggered.

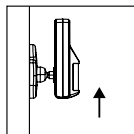
You should walk in the area that you would like the sensor to monitor. If movement is detected the red light inside the unit will appear. If the red light does not appear, adjust the mounting angle accordingly. Perform the walk test again after 3 minutes. Repeat this procedure until your motion is detected. 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.

Also perform the walk test in the undesired detection area to ensure movement is not detected.



Move the sensor downward to reduce the range.



Move the sensor upwards 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 Remote System Controller

The Remote System Controller allows you to operate the Main Panel remotely.

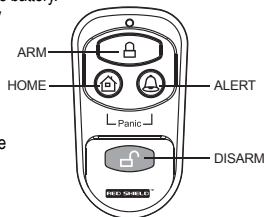
You can arm the system, disarm the system and activate the alarm instantly.

Unit includes a 12V alkaline battery; unscrew and remove the casing of the Remote System Controller, carefully remove the battery insulation tab from the battery.

If the battery is dislodged replace it 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 remote will arm the system, which will result in a 30-second exit delay. The ARM LED on the Main Panel will flash and indicate a triggered zone

DISARM – Press the disarm button on the remote to disarm the system instantly. The system will return to STANDBY mode.



Section 4 - Installing the Sensors

ALERT – Press the “ALERT” button on the remote, the system will enter into ALERT mode and the chime will sound. The green backlight will flash and indicating a triggered zone.

HOME – Press the “HOME” button on the remote, the system will enter into HOME mode which will operate both the ARM and ALERT modes in different preset zones.



PANIC – Press “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, Main 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 Main 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 Main Panel and the sensors match exactly.

Jumper for house security code		<ul style="list-style-type: none">- Main 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		<ul style="list-style-type: none">- Remote System Controller Default house code: 1: ON, 2: ON, 3: ON, 4: ON

Step 2: There is one jumper on each sensor. First 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

Q1: What is the best way to set up my system? Where should I put my HWS100 Wireless Panel and the sensors?

A1: We recommend that you take some time in advance to think about the placement of the Main Panel and Sensors.

The best location for the Main Panel is usually by the main entry/exit point, in a hallway, or in another central location in your home. The Main 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 Main Panel is not near your front door you can either change the default setting to allow more time to enter/exit your home or, alternatively, use the Remote System Controller to disarm the system.

Q2: How many Sensors can the Main Panel support?

A2: 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.

Q3: What wireless range should I expect from Sensors?

A3: 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 Main Panel. Determine the location of the sensors first and change to a different location for better RF performance if necessary.

Q4: How do I attach my Sensors?

A4: 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 Main Panel and the wireless sensors.

Q5: Do I have to program the Main Panel?

A5: 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 Main 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.

Q6: Can I still use the same System if I move?

A6: The Wireless Home Alarm is completely portable. If you move, you can remove your Main Panel and wireless accessories and re-install them in your new property.

Q7: What if I forget my PIN?

A7: 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".

Q8: Why does my Motion Sensor not respond to movement?

A8: 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.

Section 5 - Troubleshooting

Q9: Why does my Motion Sensor keep generating false alarms?

A9: 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.

Battery System 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 Main 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 Main Panel. It is necessary for you to ensure the house security code dipswitch and jumpers of the sensors are set correctly to the Main 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 HWS100 Main Panel

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

6.2.2 Remote System Controller

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

6.2.3 Door/Window Magnetic Sensor

Power source:	"AAA" Alkaline battery 1.5V x 2pcs (not included)
RF working transmission frequency:	433.92MHz +/-1MHz
House code:	4 Jumpers
Zone code:	Pin header: 8 pin
Wireless range to Main Panel:	>150M Open Area

6.2.4 Motion Sensor

Power source:	9V Alkaline battery x1pc (not included)
RF working transmission frequency:	433.92MHz +/-1MHz
PIR detection angle:	>110 Degree (@ 9V DC)
PIR detection range:	"H": > 15M "M": >6M "L": > 4M
House code:	4 Jumpers
Zone code:	Pin header: 8 pin
Wireless range to Main Panel:	>150M Open Area
Power saving timer:	3 minutes

Section 6 - General Information

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 use 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.

6.5 Optional Devices Available to add to your System

HWS100 Wireless Auto-Dialer	4902013
HWS100 Wireless Door/Window Sensor	4902008
HWS100 Wireless Motion Sensor	4902009
HWS100 Wireless Garage Door Sensor	4902001
HWS100 Wireless Flood Sensor	4902002
HWS100 Wireless System Controller	4902004
HWS100 Wireless Inactivity Sensor	4902012

6.6 Warranty



ORBYX ELECTRONICS WARRANTY

ORBYX Electronics warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any ORBYX Electronics store or dealer and the product will be repaired without charge for parts and labour. ORBYX Electronics reserves the right to charge for transportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through ORBYX Electronics' company owned stores and dealers and to a product that is presented for repair in a country where ORBYX Electronics offers the product for sale. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, province and other governmental entities in which ORBYX Electronics operates. This warranty is subject to all statutory rights you may have in the country of purchase.



Imported in Canada for
Orbyx Electronics,
Concord, Canada, L4K 4M3

Manufactured in China

For product support please contact
www.orbyxelectronics.com

Limited Warranty

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