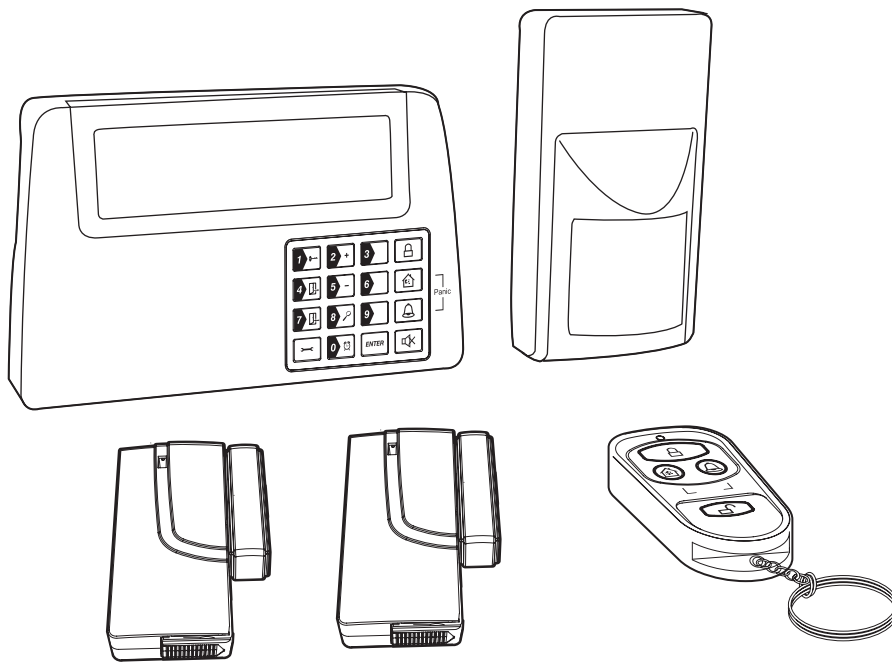


DEFIANT®

Item #1001-090-469
Model #THD-1000

USE AND CARE GUIDE

WIRELESS HOME PROTECTION SYSTEM



Questions, problems, missing parts? Before returning to the store,
call Customer Service
8 a.m. - 4:30 p.m., CST, Monday - Friday

844-212-0200
HOMEDEPOT.COM

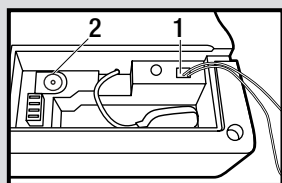
THANK YOU

We appreciate the trust and confidence you have placed in Defiant through the purchase of this wireless home protection system. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Defiant!

Quick Start Guide

STEP: 1 INSTALLING THE BATTERIES AND POWERING UP THE SYSTEM

- Install two AAA batteries (not included) into the door/window sensor.
- Install one 9V battery (not included) into the motion sensor.
- 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, remove the wire for this switch by unscrewing the battery compartment and removing the cover. The demonstration switch wire is in the top right hand corner of the compartment
- Unplug the demonstration switch wire (1) and discard it. Insert a new 9V battery (not included) and plug in the AC adaptor to the smart panel (2). Replace the battery compartment cover and screw and plug the adaptor into a wall socket.



STEP: 2 SETTING YOUR PIN

- a. Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 and pressing the Enter button. The symbol in the display disappears.
- b. Press and 1 to set the new PIN.
- c. Enter your new 4-digit PIN and press Enter.
- d. Re-enter your PIN and press Enter to confirm.

STEP: 3 ENROLLING THE KEY FOB REMOTE CONTROL

- a. Ensure you are in STANDBY mode by entering your 4-digit PIN and pressing the Enter button. The symbol in the display disappears.
- b. Press and to enter Remote Control Enroll Mode.
- c. Press any key on the remote control and press Enter to complete the enrollment.

STEP: 4 OPERATING IN ARM MODE

- a. Ensure you are in STANDBY mode by entering your 4-digit PIN and pressing the Enter button. The symbol in the display disappears.
- b. Arm the system:
 - **Smart Panel:** Enter your 4-digit PIN, press Enter, and press to activate ARM mode.
 - **Remote Control:** Press to activate ARM mode.
- c. The default delay is 20 seconds before the system is armed.
- d. Disarm the system:
 - Enter your 4-digit PIN and press Enter to disarm the system.
 - Press on the remote control to leave ARM mode. The default entry delay time is 30 seconds before the siren is activated.

STEP: 5 OPERATING IN ALERT MODE

- a. Ensure you are in STANDBY mode by entering your 4-digit PIN and pressing the Enter button. The symbol in the display disappears.
- b. Enter ALERT mode:
 - **Smart Panel:** Enter your 4-digit PIN, press Enter, and press to activate ALERT mode.
 - **Remote Control:** Press to activate ALERT mode.
- c. Exit ALERT mode:
 - Enter your 4-digit PIN and press Enter to exit ALERT mode.
 - Press on the remote control to leave ALERT mode.

STEP: 6 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), press MUTE again.

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Safety Information

Retain this manual for future reference.

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.

You may encounter problems with your system if:

- The siren is not placed within hearing range or is in a remote part 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 acceptable operating areas e.g. 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 ensure the sensors and siren(s) 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.



WARNING: FOR INDOOR USE ONLY. RISK OF PERSONAL INJURY. PROLONGED EXPOSURE TO ALARM SIREN MAY CAUSE PERMANENT HEARING LOSS. THIS PRODUCT CANNOT BE LINKED TO A MONITORED SECURITY SYSTEM. THE SECURITY FEATURE IS EXCLUSIVELY THE 120DB ALARM SOUND. DEFIANT IS NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGE, VANDALISM, THEFT OR OTHER ACTIONS THAT MAY OCCUR WHILE THIS PRODUCT IS IN USE.



WARNING: Any battery may leak harmful chemicals which may damage skin, clothing or the inside of the alarm. TO AVOID RISK OF INJURY, DO NOT LET ANY MATERIAL LEAKED FROM A BATTERY COME IN CONTACT WITH EYES OR SKIN. Any battery may rupture or explode if put in a fire or otherwise exposed to excessive heat. TO AVOID RISK OF INJURY, DO NOT EXPOSE BATTERIES TO EXCESSIVE HEAT. To reduce the risk of personal injury or harm to your alarm, take the following precautions:

- Do not use different brands of batteries in the same alarm
- When replacing batteries always replace the whole set
- Do not use rechargeable or reusable batteries
- Do not allow children to install batteries unsupervised
- Follow battery manufacturer's instructions as to proper handling, storage and disposal of batteries



CAUTION: The 9V battery in the Smart Panel is for power back-up purposes only, and the unit should be supplied with main power (through the AC adaptor) at all times. Difficulty in disarming the Smart Panel in ALARM mode may occur when it is powered by the back-up battery alone. This is not a malfunction, and can be resolved by the use of a fresh 9V battery and main power supplied through the AC adaptor included.



CAUTION: Take care to insert the batteries with the correct polarity as shown inside the battery compartments.



CAUTION: At the end of their useful life the batteries should be disposed of via a suitable Recycling Center. Do not dispose of with your normal household waste. DO NOT BURN.



IMPORTANT: Due to the strong signal of the alarm, we advise that you change the House Security Code settings if you suspect that one of your in-range neighbors may also be using this type of alarm system.

LIMITATIONS OF ALARM PRODUCTS

Test product regularly to ensure it functions in accordance with these instructions. The manufacturer is not providing insurance or any guarantee that the risk of burglary or robbery will be reduced or prevented even if this product is used properly. The manufacturer recommends that users obtain proper insurance coverage for these risks. The manufacturer does not represent or warrant that that this product may not be compromised or circumvented, that it will provide proper or adequate warning, or that the use of this product will prevent injury, property damage or other losses. Note that this product may be bypassed, compromised, fail or fail to warn like any alarm, including due to improper installation, positioning, or maintenance; tampering; dead, faulty, or improperly installed batteries; sensing limitations and component failures. The product's functional range may be affected or limited by environmental conditions, radio frequency interference or other obstructions. Audible alarm signals may be outside of hearing range, muted by doors, walls, and floors, unheard by deep sleepers or the hearing-impaired, or overwhelmed by other sounds.

Safety Information (continued)

FCC REGULATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a 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 communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 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.

Warranty

1 YEAR LIMITED WARRANTY

This product is guaranteed to be free of defects in materials and workmanship for 1 year from the date of purchase. If this product is defective, call 1-866-308-3976 for repair or replacement parts or return the product to the store from which it was purchased.

Guarantee does not include normal wear and tear, bulbs or batteries.

Contact the Customer Service Team or visit www.HOMEDEPOT.COM.

Pre-Installation

PLANNING INSTALLATION

Compare all parts in the package with the Package Contents list. If any part appears missing or damaged, do not install this product. Contact Customer Support.

ABOUT WIRELESS EQUIPMENT

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.

INSTALLATION LOCATION

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

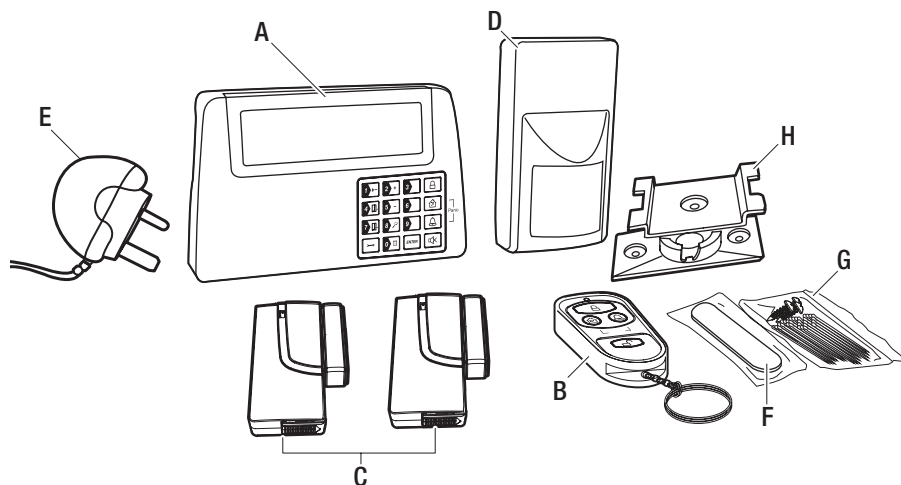
- Within a few feet of an electrical outlet
- Where it is easily accessible
- Away from doors or windows that could be accessed by intruders
- Away from extreme temperature sources (radiators, ovens, stoves etc.) and large metal objects that could interfere with the wireless performance

Pre-Installation (continued)

SPECIFICATIONS

Smart Panel		Motion Sensor	
Power Source	AC adaptor	Power Source	9V alkaline battery
Back-up Power	9V Alkaline Battery	RF Working Trans. Freq.	433.92MHz +/-0.5MHz
Sensor Numbers	Unlimited	PIR Detection Angle	<110 Degree (@9VDC)
House Code	4 Jumpers	PIR Detection Range	"H":< 15M(50ft)"M":< 6M(20ft)"L":< 4M(13ft)
Operating Frequencies	433.92MHz +/-0.5MHz	House Code	4 Jumpers
Siren Output	120 dB (Duration-adjustable)	Zone Code	Pin header: 8 pin
		Wireless Range to Smart Panel	<150meters(500ft,open area)
Key Fob Remote Control		Door/Window Sensor	
Power Source	12V Alkaline Battery	Power Source	2 AAA Alkaline Batteries, 1.5 V
RF Working Trans. Freq.	433.92MHz +/-0.5MHz	RF Working Trans. Freq.	433.92MHz +/-0.5MHz
House Code	4 Jumpers	House Code	4 Jumpers
Wireless Range to Smart Panel	< 65 meters (215 ft. open area)	Zone Code	Pin header: 8 pin
		Wireless Range to Smart Panel	<150 meters (500 ft. open area)

PACKAGE CONTENTS



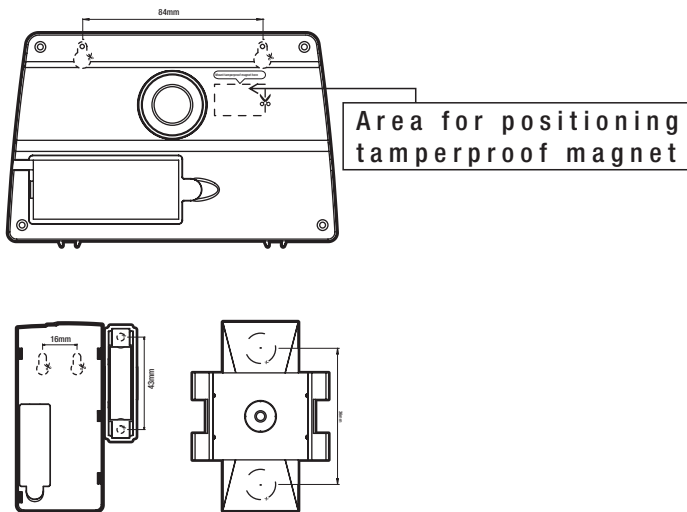
Part	Description	Quantity
A	Smart Panel	1
B	Key fob remote control	1
C	Door/window sensors	2
D	Motion sensor	1

Part	Description	Quantity
E	AC adaptor for Smart Panel	1
F	Double-sided adhesive	2
G	Hardware bag (includes screws, wall plugs, tamperproof magnet, and double-sided adhesive)	1
H	Motion sensor mounting bracket (includes mounting template)	1

Installation

1 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.
- Using a pencil, 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 is installed, power up the system. The tamperproof system is enabled once the Smart Panel is switched to HOME, ALERT or ARM mode.



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, remove the wire for this switch as described below.



NOTE: The main power supply (with AC adaptor) must be plugged in at all times, with the 9V battery functioning as a back-up power supply only, when the main power supply is interrupted.

- Unscrew the battery compartment and remove the cover.
- Remove and discard the LED demo socket, if fitted.
- Insert a new back-up battery (noting the polarity) and plug the AC adaptor into the Smart Panel. One beep will sound and the backlight will blink within 1 second (Yellow—Red—Green—Yellow). The Smart Panel will display this image:



- The Smart Panel enters STANDBY mode after the automatic self-checking completes.
- When the key symbol appears on the LDC screen, enter 1 2 3 4 (default 4-digit PIN).
- Replace the cover and screw, and connect the AC adaptor to a wall socket.

Fig. 1

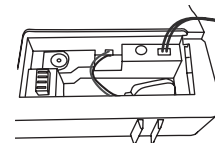


Fig. 2

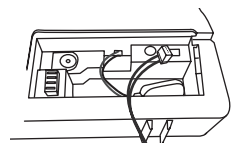


Fig. 3

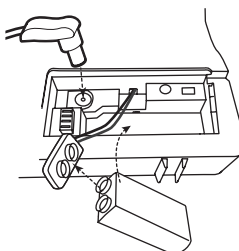
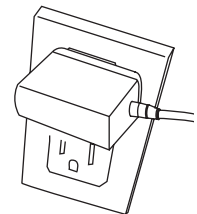







Fig. 4



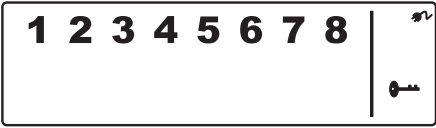
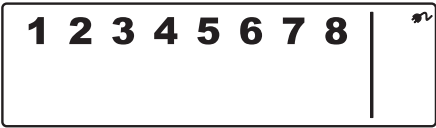

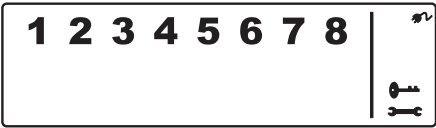
Installation (continued)

UNDERSTANDING THE BATTERY AND AC ADAPTOR ICON

<p>Battery Icons:</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 BACK-UP only and the Low symbol means LOW BATTERY.</p> <p>The LCD backlight flashes YELLOW for 30 seconds and the Low battery icon will blink until the new battery is replaced or the main power supply (with AC adaptor) is plugged in.</p>
<p>AC Adaptor Icon</p> 	<p>When the AC adaptor to the Smart Panel is connected to a wall socket, the AC adaptor icon appears. The backlight will be ON for 10 seconds while the AC adaptor connects to the power supply.</p>

Programming your PIN Number

The Wireless Home Protection Smart Panel is supplied with a default PIN of "1234". This can be changed to your own personalized PIN, or you can change your PIN, as follows:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 and pressing the Enter button.	<p>The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed.</p> 
2	Enter the default PIN of 1 2 3 4. Press the Enter button.	<p>The Smart Panel displays this image:</p> 
3	Press  followed by the 1 button to set the new PIN.	<p>The Smart Panel displays this image:</p> 
4	When the LCD display flashes with a "1", enter your new 4-digit PIN and press the Enter button to confirm.	
5	When the LCD display flashes with a "2", re-enter your new 4-digit PIN and press the Enter button to confirm. One beep indicates a valid PIN. Two beeps indicate an invalid PIN.	

Using the Panic Alarm

Pressing the  and  buttons at the same time on either the keypad or the key 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 & GSM Device), to request emergency assistance.

To disarm the Panic alarm:

- **On the Smart Panel:** Enter your 4-digit PIN followed by the **Enter** button to exit from the Panic alarm.
- **On the Key Fob Remote Control:** Press  to exit from the Panic alarm.

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 & GSM Device) to request emergency assistance.

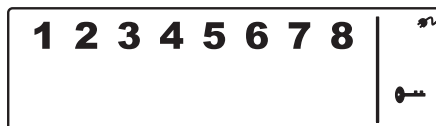
Duress Password:

- Enter the default 4-digit PIN **1 2 3 4**, followed by **1** and **Enter**, or
- Enter your personalized 4-digit PIN, followed by **1** and **Enter**.

Operating in Standby Mode

If in **STANDBY** mode, the Smart Panel is prepared for mode selection. You must be in **STANDBY** mode before turning to **ARM** mode. To ensure you are in **STANDBY** mode:

- Enter the default PIN of **1 2 3 4** or your new 4-digit PIN and press the **Enter** button. The Smart Panel displays this image when in **STANDY** mode. One beep indicates that you entered a valid PIN, three beeps indicate that an invalid operation was performed.



Operating in ARM Mode






When in **ARM** mode (), the Smart Panel siren sounds and the Smart Panel flashes **RED** 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

Operating in ARM Mode (continued)

ADJUSTING EXIT DELAY

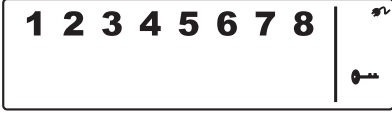
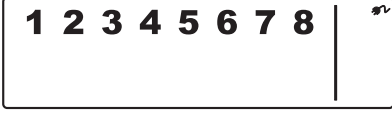



Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the default PIN of 1 2 3 4 OR your new 4-digit PIN of your choosing. Press the Enter button.	The Smart Panel displays this image: 
3	Press  and  (as many times as required) to set the new Exit Delay.	When  is pressed the first time the Smart Panel flashes with the number of seconds currently set for the Exit Delay. The factory default setting is 20 seconds. Each time this button is pressed, the Exit Delay is increased by an additional 10 seconds between the adjustable range of 10 to 60 seconds. The Exit Delay time on the LCD display will flash until the setting is completed.
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	

ADJUSTING ENTRY DELAY

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the default PIN of 1 2 3 4 OR your new 4-digit PIN of your choosing. Press the Enter button.	The Smart Panel displays this image: 
3	Press  and  (as many times as required) to set the new Entry Delay.	When  is pressed the first time, the Smart Panel flashes with the number of seconds currently set for the Entry Delay. The factory default setting is 30 seconds. Each time this button is pressed, the Exit Delay is increased by an additional 10 seconds between the adjustable range of 10 to 60 seconds. The Exit Delay time on the LCD display will flash until the setting is completed.
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	

Operating in ARM Mode (continued)

ADJUSTING THE ALARM DURATION

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the default PIN of 1 2 3 4 OR your new 4-digit PIN of your choosing. Press the Enter button.	The Smart Panel displays this image: 
3	Press  and  (as many times as required) to set the new Alarm Duration.	When  is pressed the first time, the Smart Panel flashes with the number of minutes currently set for the Alarm Duration. The factory default setting is 1 minute. Each time this button is pressed, the alarm duration is increased by a further minute up to the maximum of 6 minutes. The Alarm Duration time on the LCD display will flash until the setting is completed.
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	




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) press the MUTE button again.

ARMING THE SYSTEM

On the Key Fob Remote Control: Press  to ARM the system.

On the Smart Panel: First make sure the Smart Panel is in STANDBY mode, and then ARM the system by completing these steps:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter your 4-digit PIN, press the Enter button, and press  for ARM mode.	There is a 20 second exit delay time with a visual and audible (beeping) countdown before the system is armed. Press MUTE to disable the beeping countdown. Press MUTE again to resume the beeping. If the Zone is enabled, a number appears as displayed:  The system will then enter ARM mode after 20 seconds.

Operating in ARM Mode (continued)

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 sounds and the Smart Panel flashes RED every 1.5 seconds and indicates the triggered zone. After the initial triggering, the alarm will immediately sound, without delay, if any other sensors are triggered.

DISARMING THE SYSTEM

On the Smart Phone Panel: Enter your 4-digit PIN and press **Enter** to disarm the system.



On the Key Fob Remote Control: Press  to disarm the system.

ZONE SETTINGS


Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the default PIN of 1 2 3 4 OR your new 4-digit PIN. Press the Enter button.	The Smart Panel displays this image: 
3	Press  and  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 displays this image: 
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	

TRIGGERS IN ARM MODE

Example: Zone 1 Trigger

Step	Procedure	Example
1	Under ARM mode	Smart Panel displays this image: 
2	System Trigger	One beep indicates the system is triggered. 

Operating in Standby Mode (continued)

3	Entry delay 30 seconds	<p>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 sounds for 1 minute and the Smart Panel flashes RED every 1.5 seconds with the triggered zone indicated, until the system is disarmed.</p> <p>To disarm the system, enter the 4-Digit PIN or press  on the remote control.</p>
4	Return to ARM mode after the initial triggering	After the initial triggering, the alarm will immediately sound, without delay, if any other sensors are triggered.

Operating in Alert Alert Mode

In Alert mode () , the Smart Panel chime sounds and the Smart Panel flashes GREEN every 1.5 seconds and indicates the triggered zone, when the system detects a visitor in the protected area.



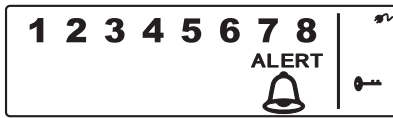
ALERT Mode Default Setting:

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

ENTERING ALERT MODE

On the Key Fob Remote: Press  to activate.

On the Smart Panel: First make sure the Smart Panel is in STANDBY mode, and then enter into ALERT mode following these steps:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	<p>The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed.</p> 
2	Enter your 4-digit PIN, press the Enter button, and  for ALERT mode.	<p>The system enters ALERT mode. If the Zone is enabled, a number appears as displayed in this image:</p> 

Operating in Alert Alert Mode (continued)


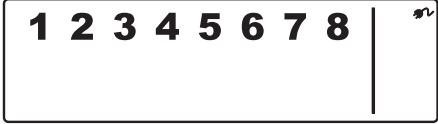


EXITING ALERT MODE

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


On the Key Fob Remote Control: Press  to exit ALERT mode.

ZONE SETTINGS

Programming each zone in ALERT mode:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter your 4-digit PIN and press the Enter button.	The Smart Panel displays this image: 
3	Press the Enter button and  to set 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 displays this image: 
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	

Operating in Home Mode

There are default settings that allow the system to operate after opening the package. These settings can be adjusted to suit your individual requirements. The HOME mode () allows the system to operate in both 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

ENTERING HOME MODE

On the Key Fob Remote Control: Press  to activate.

On the Smart Panel: Ensure the Smart Panel is in STANDBY mode, and then enter HOME mode by completing these steps:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter your 4-digit PIN, press Enter, and  to enter HOME mode.	If the Zone is enabled, a number appears as displayed here: 

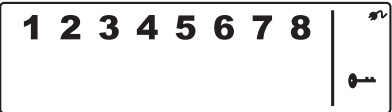

EXITING HOME MODE

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






On the Key Fob Remote Control: Press  to exit HOME mode.

ZONE SETTINGS

Programming each zone in HOME mode:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the 4-digit PIN followed by the Enter button.	The Smart Panel displays this image: 

Operating in Home Mode (continued)

3	Press  and  to enter HOME mode.	<p>Toggle 1 2 3 4 5 6 7 8 to turn each zone in different mode:</p> <p> indicates ALERT mode for a zone</p> <p> indicates ARM mode for a zone</p> <p><input type="checkbox"/> indicates the zone is turned OFF and the number will not appear</p> <p>The Smart Panel displays this image:</p> 
4	Press the Enter button to confirm the setting and return the Smart Panel to STANDBY.	

Installing 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). 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.

First, determine the location of the sensors. Place the sensors 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, and where better RF performance can be achieved (if necessary).

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

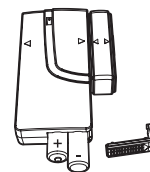
INSTALLING THE DOOR/WINDOW SENSOR

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.

Step 1: Powering up the Door/Window Sensor

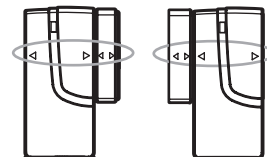
Remove the battery cover; insert new batteries noting the polarity as shown in the diagram below and replace the cover. This sensor requires 2 x AAA batteries.

Low battery indication: If the batteries need to be replaced, the RED LED on the transmitter will flash slowly.



Step 2: 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 5 mm (0.2 in.) apart.



Step 3: 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.

Installing the Sensors (continued)

INSTALLING THE MOTION SENSOR

The Motion Sensor is designed to sense movement in a given area.

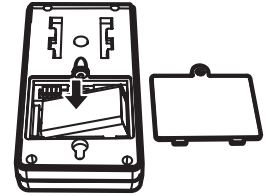


NOTE: It is best if pets are not allowed onto higher surfaces so that the sensors are not triggered unnecessarily (no more than 1 m/3.3 ft. high).

Step 1: Powering up the Motion Sensor

- Remove the battery cover, insert and connect a 9V battery as shown in diagram below and replace the cover. (Requires 1 x 9V battery).

Low battery indication: If the batteries need to be replaced, the RED LED will flash (not including entry / exit delay flashing).



Step 2: Installing the Motion Sensor

Determine the location of the Motion Sensor. The Sensor should be placed:

- In the most vulnerable rooms or near key entry points
- On a solid surface between 1.8 m to 2.4 m (6 ft. to 8 ft.) from the floor
- Away from extreme temperature sources (radiators, ovens, stoves etc.)
- Away from direct sunlight
- Indoors only and not behind partitions
- Where better RF performance can be achieved (if necessary)

Step 3: Adjusting Sensor Sensitivity

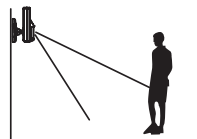


NOTE: The Motion Sensor is designed with a built-in sleep timer to save battery power. The Motion Sensor will sleep for 3 minutes after every trigger. Any movement detected in sleep mode will not be reported, please bear this in mind during system set up.

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” (see step 4). 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 the Motion Sensor by pressing the test button inside the battery compartment.

Step 4: Performing a Walk Test

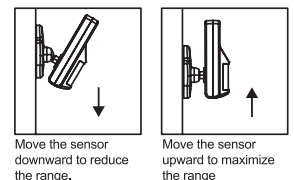
After mounting the sensor at the desired location, it is important to perform a walk test in order to determine if the sensor is detecting the correct area. The distance at which the sensor can detect motion can be adjusted by altering the angle of the sensor. To reduce the detection range, move the 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.

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 minute interval.

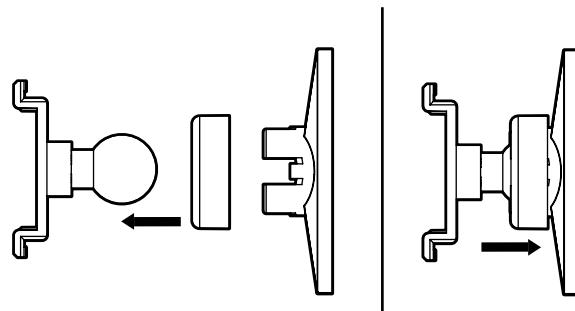
Tips: The sensor should not face towards direct sunlight, be placed near heat or cold producing devices (i.e. air conditioning, radiators, fans, ovens, heaters etc.) that may cause false triggers. Also perform the walk test in areas which the sensor is not intended to cover, to ensure movement cannot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



Installing the Sensors (continued)

Step 5: 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 by sliding the O-ring over the round ball on the back of the sensor, then snap the ball into the mounting bracket and push the O-ring over the bracket to hold it in place.



Using the Key Fob Remote Control

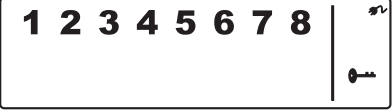
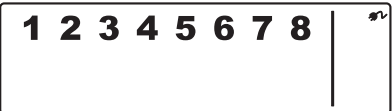


The Wireless Home Protection System Remote Control allows you to operate the system's Smart Panel remotely, from inside or outside the property. Using the control, the system can be armed or disarmed and the siren can be activated instantly if required (using the Panic function).

POWERING UP THE KEY FOB REMOTE CONTROL

The Remote Control includes a 12V 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.

ADDING THE REMOTE CONTROL TO THE SMART PANEL SYSTEM

Before you can 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:

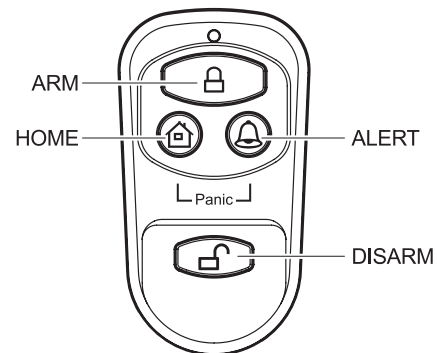
Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the 4-digit PIN followed by pressing the Enter button.	The Smart Panel displays this image: 
3	Press  and  to enter the Remote Control Enroll mode. Then press any key on the new Remote Control to enroll it onto the system.	The LCD display flashes the ID number of the remote to be enrolled. For example, when enrolling the first remote ID no. "01" will flash. Once the first remote is enrolled the "02" will flash ready for a second remote to be enrolled. One beep indicates that the remote was enrolled to the Smart Panel successfully. It is recommended that the ID No. is marked on the remote in case it needs to be deleted at a later stage.
4	Press the Enter button to confirm the enrollment and return the Smart Panel to STANDBY.	

Using the Key Fob Remote Control (continued)

OPERATING THE KEY FOB REMOTE CONTROL

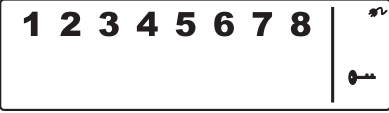
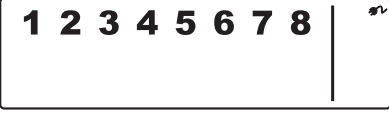


The remote can be used to arm, disarm, and operate the system instantly.

- ❑ **ARM** – Arms the system, triggering the preset exit delay. When triggered, the Smart Panel's LED light will flash Red and indicate the triggered zone.
- ❑ **DISARM** – Disarms the system instantly and the system will return to Standby mode.
- ❑ **ALERT** – Puts 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** – Sets 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



DELETING A REMOTE CONTROL FROM THE SMART PANEL

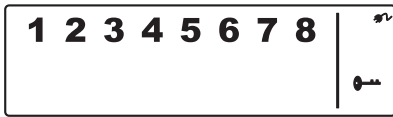
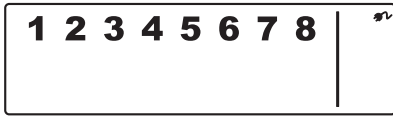


If a Remote Control device is damaged or lost, it can be deleted from the system as follows:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the 4-digit PIN followed by pressing the Enter button.	The Smart Panel displays this image: 
3	Press  and  to enter the Remote Control Deleting mode. Then input the ID number of the Remote Control you wish to delete from the system.	The LCD display flashes the total number of remotes currently enrolled to the system. For example, if the Smart Panel has 3 remotes enrolled, the LCD display will flash "03". Input the remote ID no. (e.g. "02") for the remote you wish to delete (Inputting "00" will delete all remote controls). The LCD display will then flash the total number of remotes enrolled after deletion. One beep indicates that the remote was successfully deleted from the Smart Panel.
4	Press the Enter button to confirm the enrollment and return the Smart Panel to STANDBY.	

Using the Key Fob Remote Control (continued)

QUERYING THE ID NUMBER OF A REMOTE CONTROL


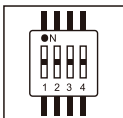
The ID number of a Remote Control device can be identified as follows:

Step	Procedure	Example
1	Ensure you are in STANDBY mode by entering the default PIN of 1 2 3 4 OR your new 4-digit PIN and pressing the Enter button.	The Smart Panel displays this image when in STANDBY mode. One beep indicates that you entered a valid PIN. Three beeps indicate that an invalid operation was performed. 
2	Enter the 4-digit PIN followed by pressing the Enter button.	The Smart Panel displays this image: 
3	Press  and  to go into Remote Querying mode, and then press any key on the remote to check its ID.	After entering into Remote Querying mode, the LCD display will flash the total number of remote controls currently enrolled to the system. For example, if 3 remotes are enrolled, the LCD display will flash "03". The ID number of the Remote can then be checked by pressing any key on the remote. For example, if the LCD display flashes "02" then that is the ID of the remote.
4	Press the Enter button to complete the query and return the Smart Panel to STANDBY mode.	

Home 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, complete these steps with each system module:

1. There are four Jumpers/Dip-switches on each device. To locate these, remove the battery compartment cover.
2. 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.




Jumpers for House Security Code		Smart Panel - Each sensor Default House Security Code: 1: ON, 2: ON, 3: ON, 4: ON *Jumper: ON = Pushed in, OFF = Pulled out
Dip-switches for House Security Code		Key Fob Remote Control Default House Security: 1: ON, 2: ON, 3: ON, 4: ON

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, change the Zone Code on the Sensor by completing these steps:

1. Remove the Jumper compartment cover to access the Zone Code Jumper on each Sensor.
2. Pull out the Jumper and reassign it to the new Zone (Zones 1 to 8) as shown in the diagram below.
3. Replace Jumper compartment cover.

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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FAQs

Q.1: What is the best way to set up my system? Where should I put my Smart Panel and the sensors?

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 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.

Please note that the alarm is pre-programmed with default settings, allowing you a pre-determined amount of time to enter (30 seconds) and time to exit (20 seconds) before the alarm sounds. You can either change the default setting to allow more time to enter/exit your home or, alternatively use the Key Fob to disarm the system.

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

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 the Sensors?

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 meters (500 ft.) 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?

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 program the Smart Panel?

The Wireless Home Protection System WP-100 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.

Due to the strong signal of the alarm, we advise that you change the House Security Code settings following the instructions in 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?

The Wireless Home Protection System WP-100 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?

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?

Motion Sensors are very sensitive. 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?

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.

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.

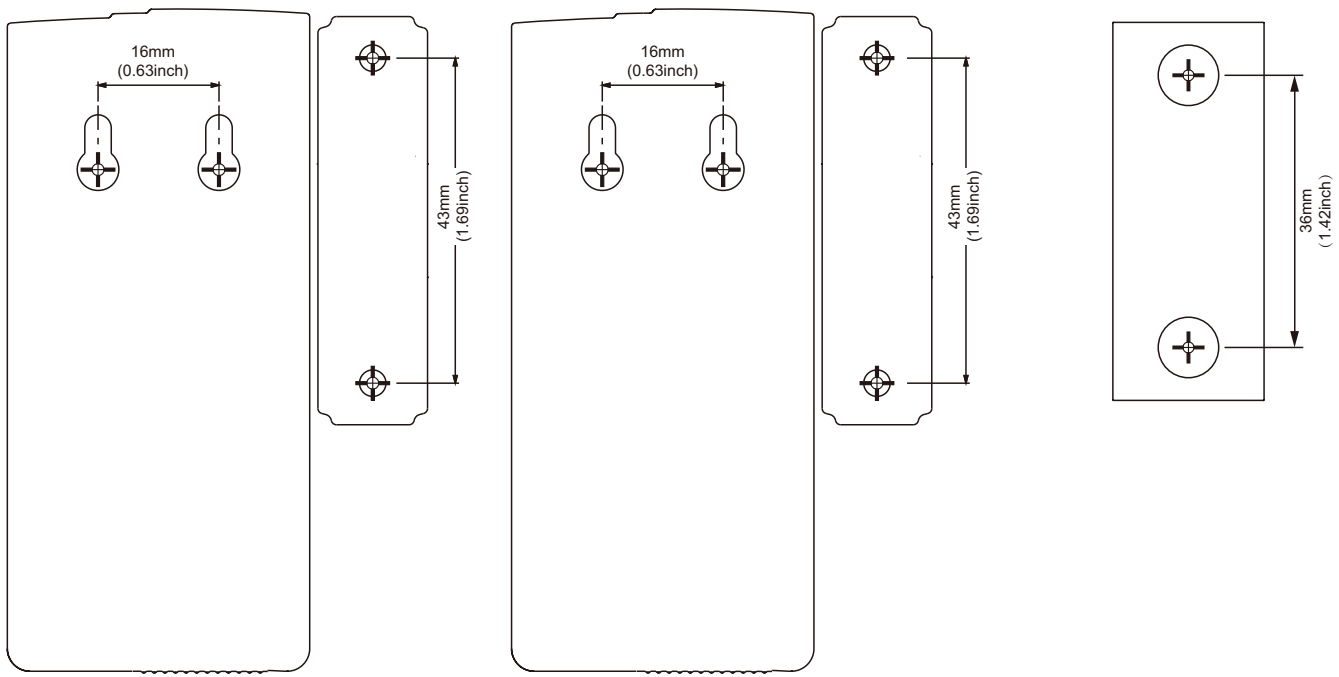
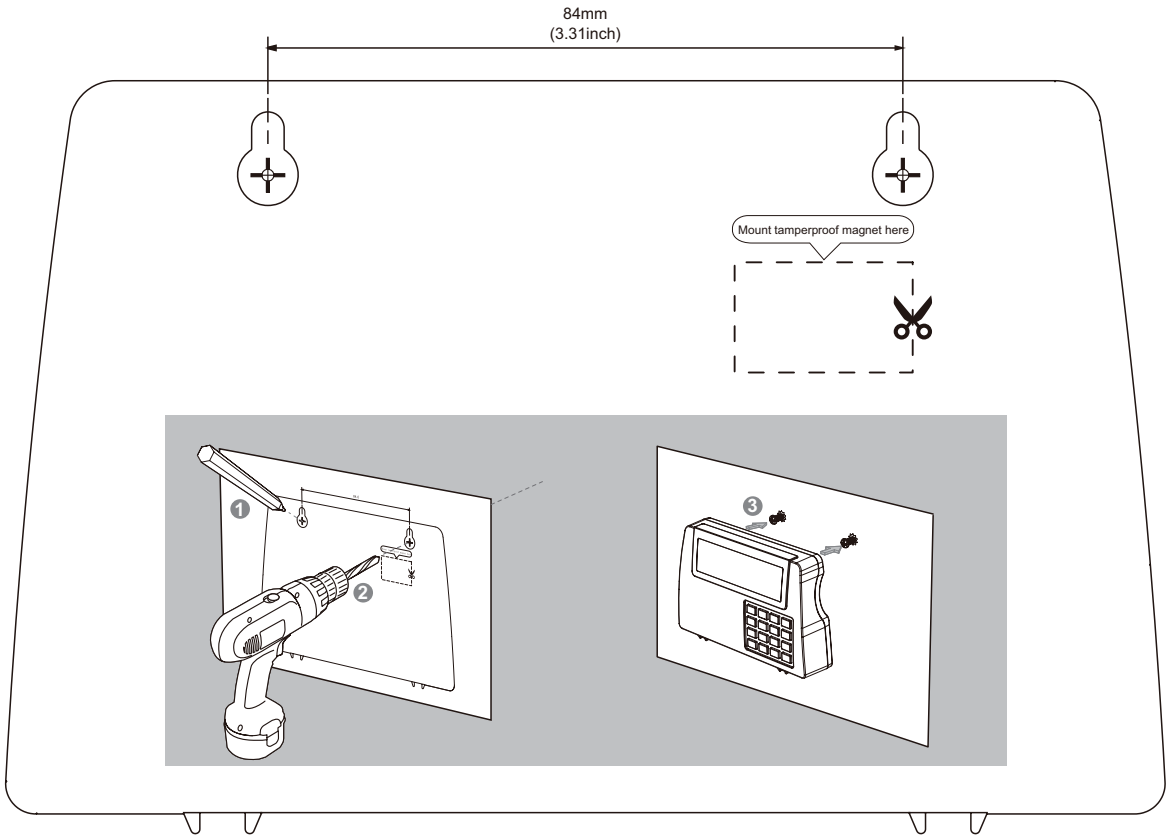
SYSTEM BATTERY FAILURE

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.

Mounting Template



*For details please refer to user guide installation section.

DEFIANT[®]

Questions, problems, missing parts? Before returning to the store,
call Customer Service
8 a.m. - 4:30 p.m., CST, Monday - Friday

844-212-0200
HOMEDEPOT.COM

Retain this manual for future use.