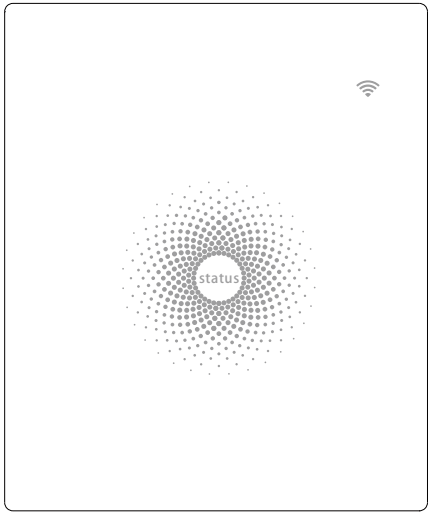

AW1 WiFi Alarm System

User Manual

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Printed in China
PA : AW1-UM-EN-V1.0

Foreword

Congratulations on your purchase of the AW1 Alarm system. Before you commence installation we recommend that you unpack the product, familiarise yourself with the component parts, and carefully read through this instruction guide.
There are some parts of the installation must be completed in the order shown to ensure successful installation.

Disclaimer

All statements, technical information and recommendations in this manual are believed to be reliable, but the accuracy and completeness thereof are not guaranteed or warranted.

The specifications and information regarding the products as shown in this document are subject to change without notice.

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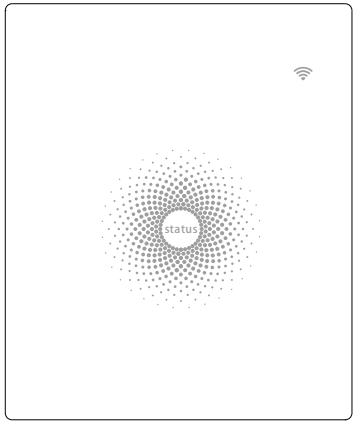
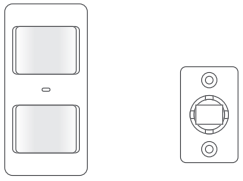
Contents

Packing List

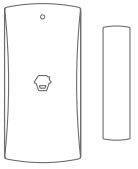
1x AW1 Control Panel



1x PIR-910 Pet Friendly PIR Motion Sensor



1xDWC-102 Door/ Window Sensor



2x RC-80 Remote Control

1x Power Adapter

1x User Manual

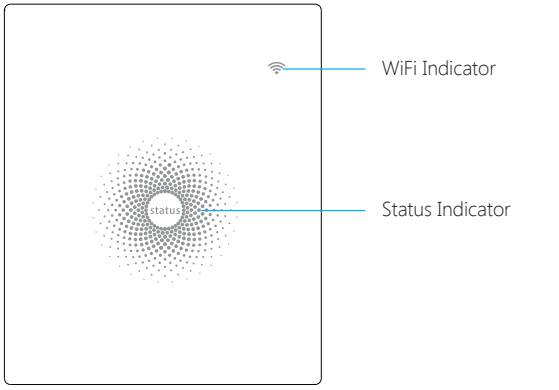
Control Panel

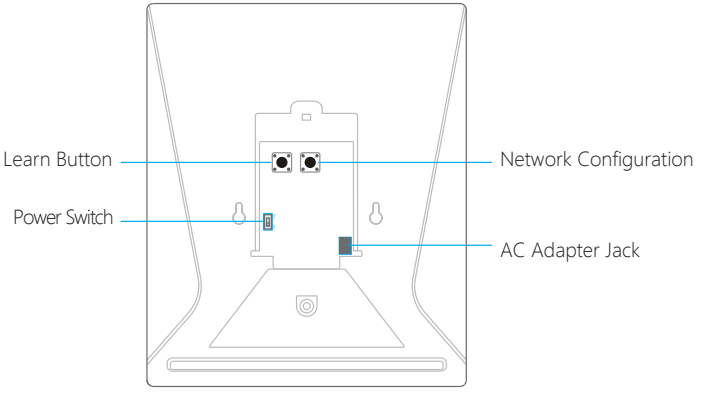
All Sensors are wirelessly linked to the Control Panel.

In the event of alarm activation, for example when a Sensor is triggered, a push notification will automatically be sent to all registered users

The system can be controlled and monitored both on-site using the Remote Control supplied and remotely from anywhere in the world, with the FREE iOS and Android Apps.

The system can easily be expanded to include up to: 30 Wireless Sensors and 10 Remote Controls.





LED Indication

WiFi Indicator (Blue)	Steady On	Connected with Router
	One flash per second	Searching for a network or disconnected from Router
	Off	1) Initialization (the Control Panel beeps every 3 seconds): lasts for up to 30 seconds after power up 2) The Power Adapter is not plugged in
Status Indicator (Red, Blue and Green)	Steady On	Stable WiFi connection
	Red	System is Armed
	Blue	System is in Home Mode (Part Arm)
	Green	System is Disarmed
	One flash per second	Disconnected from the Router
	Three flashes per second	Alarm condition

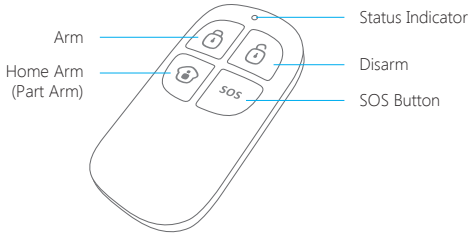
Functionality of Buttons behind the Back Cover

Learn	Used to pair an accessory with the Control Panel
WiFi	Used to pair the Control Panel with the Router
On/off	Power Switch

Note: The Control Panel must be plugged in to the Power Adapter in order to maintain the WiFi connection.

Remote Control

The Remote Control can be used to arm, part arm or disarm the system, and trigger an emergency alarm (SOS).

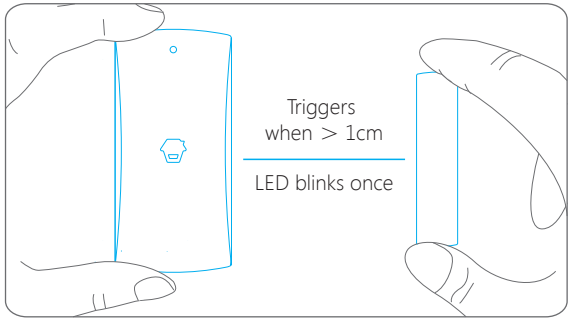


Button	System Status
🔒	All Sensors will be Armed. This mode is for use when the property is unoccupied.
🔓	The System will be Disarmed, no Sensors will be triggered. Note: When set to 'Disarm', Fire, Smoke, and Gas Leakage Sensors will remain active as they are factory set to '24 Hour Zone'
🏠	Sensors which are set to the Home Zone will not be Armed. All other Sensors will be Armed. This mode allows for selected Sensors (for example, front/back door(s) to be Armed, allowing the occupier freedom of movement within the property.
SOS	The SOS Button will trigger an 'emergency' alert notification to registered users regardless of the Control Panel mode.
🏠 + 🔒	Press the [🏠] button. After the indicator on the remote control blinks once, press [🔒] button within 3 seconds to mutely arm the system.
🏠 + 🔓	Press the [🏠] button. After the indicator on the Remote Control blinks once, press [🔓] button within 3 seconds to mutely disarm the system.

Note: To turn off the Arm/Disarm tone permanently, open the AW1 Alarm App, go to 'Internal Siren'.

Door/ Window Sensor

Door/ Window Sensors are set to 'Normal Zone' by default and are ideal for protecting entry/exit points such as front and back doors and windows. When the system is Armed, should a Sensor be triggered (Magnet separated from the Transmitter), a push notification showing the named Sensor will automatically be sent to the registered users and the Control Panel Internal Siren will sound immediately.



Tamper Switch

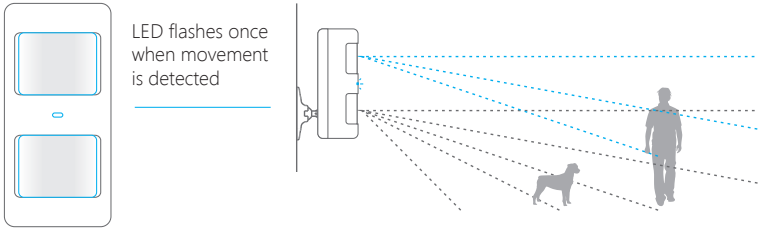
The Tamper Switch (small black button underneath the back cover) will activate an alarm condition if an unauthorized attempt is made to remove the Sensor from its installed location.

Low Battery Indication

If the LED indicator flashes once per 3 second, the battery must be replaced.

Pet Friendly PIR Motion Sensor

The Motion Sensor is designed for use on interior walls and is set to Home Mode by default. Whenever the Sensor detects movement (while the alarm is armed) you will receive a push alert notification showing the name of the Sensor that has been triggered and the Control Panel Internal Siren will sound immediately.



Tamper Switch

The Tamper Switch (a black button with a silver spring at the top, located inside this Sensor) is used to indicate an unauthorized attempt to remove its cover. Whenever this button is released, it will trigger an alarm and the push alert will notify you which Sensor has been triggered on tamper.

Low Battery Indication

If the LED indicator blinks once per 3 second, the battery must be replaced.

Working Mode

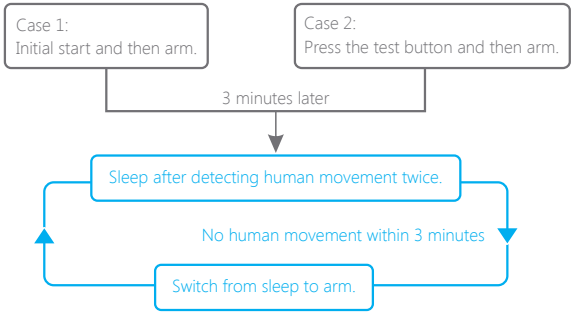
Test Mode

The Sensor enters a 1 minute settling down period on power up, thereafter entering into Test Mode. In Test Mode, the Sensor detects movement every 10 seconds and emits an alarm signal every time movement is detected. Test Mode will remain active for 3 minutes, thereafter entering into Power Saving Mode.

Note: You may also enter Test Mode by pressing the Test Button at the back of the Sensor.

Power Saving Mode

If the Sensor detects movement twice within 3 minutes the Sensor will automatically enter into Sleep Mode and no movement will be detected. The Sensor will leave Sleep Mode after a 3 minute period without any movement.



Pairing New Accessories to the Control Panel

There are two ways of pairing Accessories to the Control Panel – manually and via App.

Manual Pairing

To pair Accessories manually please follow the instructions below:

Remote Control and Sensors:

1. Press the Learn button at the back of the Control Panel

2. Press any button on the Remote Control or trigger the Sensor

Please note that pressing the Tamper Switch instead of triggering the Sensor will register it as a 24 Hour Zone.

(Optional Accessory) Wireless Siren:

1. Press the Learn Button on the Siren

2. Arm the Control Panel via the App

Pairing from the App

To pair the Accessories via App, open the AW1 Alarm App, go to 'Edit Accessories' and follow the instructions on the screen.

WiFi Setup

Step One: Download the App

The App can be downloaded from the App Store or Google Play by searching for "AW1 Alarm".

Step Two: Power On

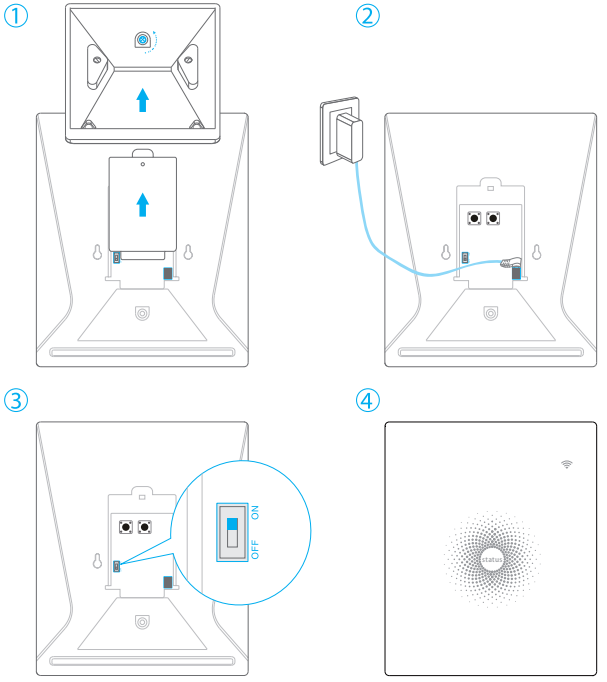
1. Remove the back cover from the Control Panel.

2. Connect the Power Adapter.

3. Set the Power Switch to "ON".

4. Wait until the WiFi Indicator starts to blink (approx. 30 seconds)

Note: The Control Panel will emit a short 'beep' every 3 seconds when powered up. After 30 seconds there will be a long 'beep' to confirm that the Panel is ready for use.



Step Three: Connect the Control Panel to the Router

Important: AW1 does not support WiFi of 5GHz band, If dual-band(5GHz and 2.4GHz) router is used, make sure to connect with the 2.4GHz WiFi instead of the 5GHz's. Make sure your smartphone is connected to the local WiFi network and then follow the steps in the App to connect the AW1 Control Panel to the Router.

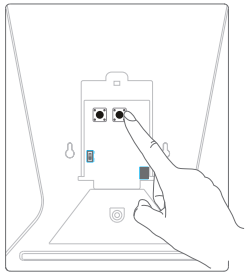
1. Press and hold the [WiFi] Button inside the Control Panel for 3 seconds, the Control Panel will emit one 'beep'.

2. Tap [WiFi] in the [Settings] of your smartphone, and select the 'WiFi Alarm' network.

3. Return to the App and key in your WiFi name and password or open the drop down menu to scan for all the nearby wireless networks.

4. The Control Panel will beep once, wait until the WiFi indicator and the Status indicator stop blinking, indicating that the Control Panel has successfully connected to the network.

①

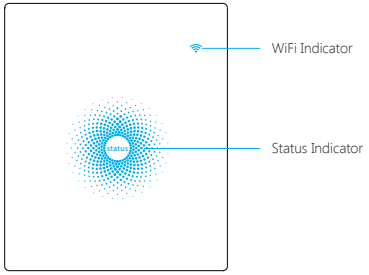


②

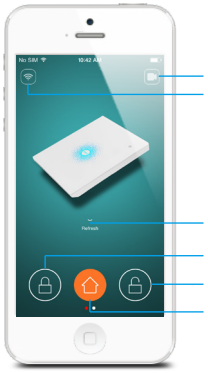
Make sure this network icon appears in the Status Bar

③

④



APP Control and Settings

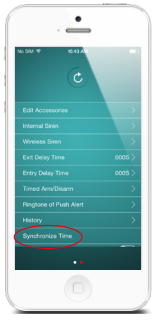


Important Notice

In order to control the system remotely (WiFi/App), the Control Panel must be 'mains' powered via the Power Adapter. WiFi accessibility is disabled when the Control Panel Power Adapter is unplugged from the mains power supply and running on batteries.

Synchronize Time (Important Setting)

The time shown on your mobile device must be synchronized with the time shown on the Server prior to setup. Operation history will only be recorded once synchronization is complete.



Edit Accessories

Rename, add, delete and change the Zone Mode of each Sensor. (except the 24 Hour Zone). Remember to tap the Save button in the top right hand corner to save the changes.

Normal Zone (Switchable to Home Zone or 24 Hour Zone)

Home Zone (Switchable to Normal Zone or 24 Hour Zone)

24 Hour Zone (Unchangeable)

Normal Zone : Sensors set to Normal Zone are armed whether the alarm is in Arm (Full Arm) or Home Arm (Part Arm) Mode. We recommend setting Window/ Door Sensors to Normal Zone.
Home Zone : Sensors set to Home Zone are only armed in Arm (Full Arm) Mode. If Home Mode (Part Arm) is used, these Sensors are not armed and will not activate the alarm on trigger. We recommend setting PIR Motion Sensors to Home Zone.
24 Hour Zone : Sensors set to 24 Hour zone will activate the alarm when triggered, regardless of the alarm status at the time (armed or disarmed).

Note: Smoke, Gas Leakage or Water Flood Sensors are automatically registered as 24 Hour Zone Sensors and cannot be changed to Normal or Home Zone. Any Motion or Door/ Window Sensor paired to the Control Panel by pressing the Tamper Switch will also register as a 24 Hour Zone Sensor. A 24 Hour Sensor will activate the alarm when triggered, regardless of the alarm status at the time (armed or disarmed)."

Internal Siren

The volume level, alarm duration, and arm/disarm beep can be adjusted in the App.

Wireless Siren

When connecting an Outdoor Siren (optional accessory) to the Control Panel, it can be enabled/ disabled by switching the Alarm option to on/off. The on/off arm/ disarm beep and alarm duration can also be adjusted.

Exit Delay Time

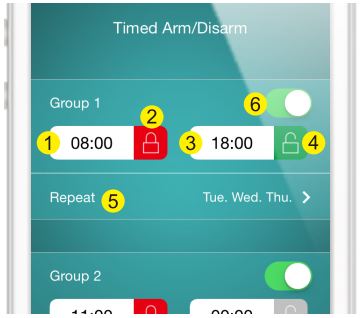
Set a time delay for you to leave your property without triggering an alarm.

Entry Delay Time

Set a time delay for you to enter your property without triggering an alarm.

Timed Arm/Disarm

The system can be programmed to automatically Arm and Disarm the alarm at predefined times by following the steps below:



1. Set the time you want the alarm to arm (on the left)
2. Tap the Arm Button once to activate automatic arming and twice to disable it
3. Set the time you want the alarm to Disarm (on the right)
4. Tap the Disarm Button once to activate automatic disarming and twice to disable the automatic disarming
5. Select the days you want the alarm to automatically arm/ disarm
6. Slide the switch to the 'on' position to activate the new schedule

Ringtone of Push Alert

The selected ringtone will be heard when a Push Alert is received.

History

The Event Log holds a record of up to 100 events (More details in 'Notifications' on page 13).

Passcode

We recommend that passcode protection is enabled to avoid unauthorized access to the App.

Delete User

The alarm can be controlled by up to 5 Users who will also receive Push Alerts. To delete a User Account from the App go to the submenu 'More' and select 'Delete Users'

Notifications

The system uses status notification to give you feedback about how the system is functioning.

Operation Notification (Record in App Menu-History)

System Arm	System armed by Remote Control
System Disarm	System disarmed by Remote Control
System Home Arm	System home armed by Remote Control
Arm by App	System armed by App
Disarm by App	System disarmed by App
Home Arm by App	System home armed by App
Arm as Scheduled	System has auto-armed according to the 'Timed Arm/ Disarm' schedule
Disarm as Scheduled	System has auto-disarmed according to the 'Timed Arm/ Disarm' schedule

Alarm Notification

System SOS Alarm	Remote Control SOS button activation has triggered an emergency alert
(Zone 1) Alarm	A zone no. 1 sensor has been triggered
(Zone 1) Tamper Alarm	Unauthorized attempt to remove the cover of a zone no. 1 sensor.

Status Notification

(Zone 1) Low Battery	A zone no. 1 sensor battery is low. Change the battery as soon as possible.

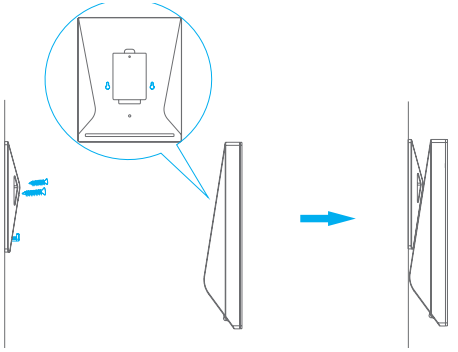
Installation

Control Panel

Wall Mounting

The Control Panel can be wall mounted using the Wall Bracket provided.

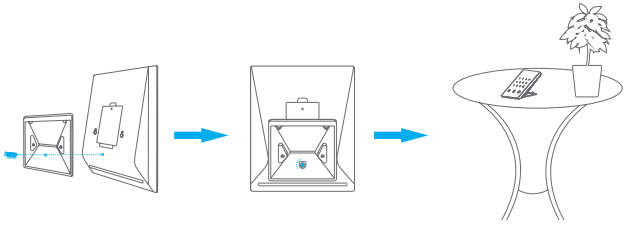
Using the screws supplied, mount the Wall Bracket onto the wall (ensuring that the arrow on the bracket is pointing upwards), then match-up the Wall Bracket hooks to the holes at the back of the Control Panel, and slide the Control Panel down onto the Wall Bracket.



Free-standing

The Wall Bracket can also be used as a tabletop stand.

Turn the Wall Bracket upside down so that the arrow is pointing downwards, and align the screw hole underneath the Control Panel Battery Cover with the screw hole on the Wall Bracket. Use the remaining screw to secure in place.



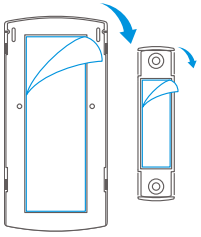
Warning:

A weak WiFi signal can seriously affect the performance of this Security Alarm System. Please make sure that the Control Panel is located as close as possible to the main Router for optimal connectivity.

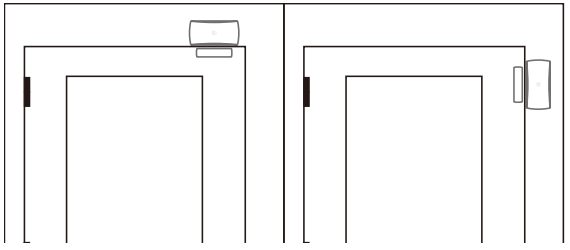
Door/ Window Sensor:

Step 1: To power up the Sensor, remove the Battery Tab

Step 2: Attach the Adhesive Pads to the back of the Transmitter and Magnet



Step 3: Place the Sensor on the door/ window frame and the magnet on the door/ window ensuring that the distance between them is not greater than 1cm when the door/ window is shut.

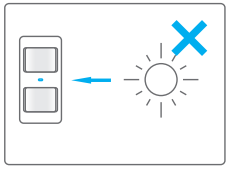


Horizontal orientation

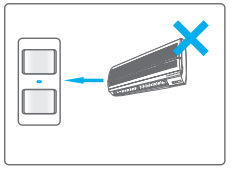
Vertical orientation

PIR Motion Sensor:

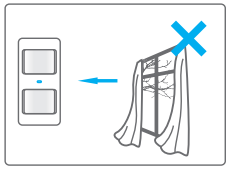
Warning - Do not install



Facing direct sunlight

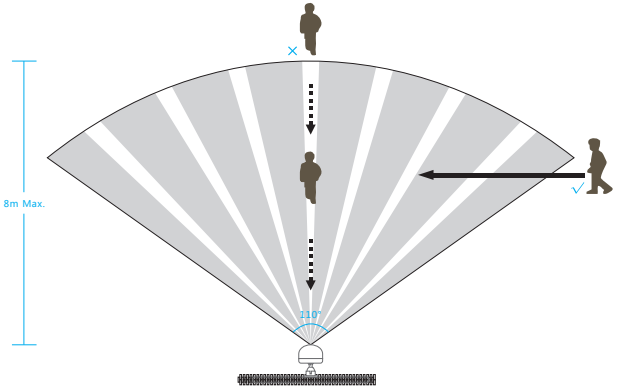


Near air conditioning/ heat sources



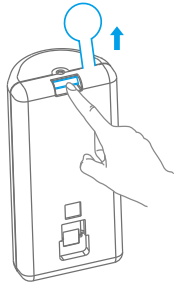
Facing moving objects

Direction of motion and Detection Range



It is easier to detect objects that move sideways in front of the sensor, but more difficult to detect objects that move directly toward the sensor.

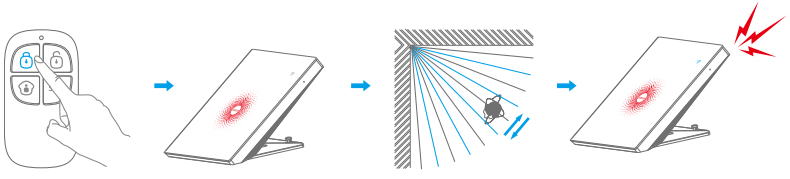
Step 1: To power up the Sensor, remove the Battery Tab



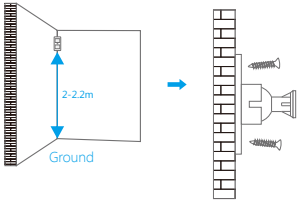
Step 2: Perform a Walk Test

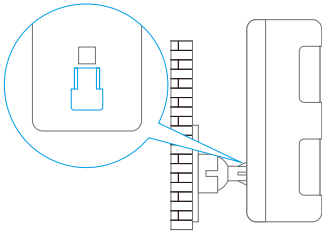
Press the Test Mode button at the back of the sensor to put it in Test Mode.

Place the Sensor in your desired location (don't use screws at this point), arm the system and walk in front of the Sensor to test that the Sensor triggers the alarm.



Step 3: Install the Sensor

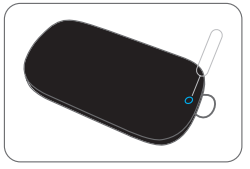




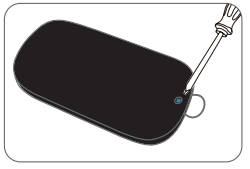
Parallel to the wall

Replacing Accessory Batteries

Remote Control

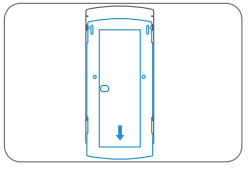


Remove the screw



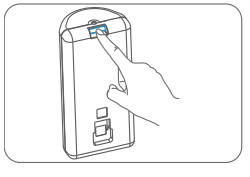
Open the casing

Door/Window Sensor

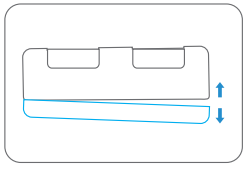


Open the casing

PIR Motion Sensor



Remove the screw



Open the casing

FAQ

Failed to connect to the WiFi

Check whether the WiFi Indicator on the Control Panel has stopped flashing

If the WiFi Indicator stops flashing and the Control Panel cannot be controlled from the App, please make sure that your local WiFi network is available and working properly.

Check that the WiFi name and password are correct.

Connect to a 2.4G WiFi network instead of 5G

Check that the Power Adapter is connected to the Control Panel.

Re-linking the Control Panel to the Router again by following the steps on page 7

The WiFi indicator and the status indicator are on, but I can't control the alarm by App

Check that your smartphone is connected to a WiFi network.

Wait a few minutes to see if the WiFi indicator and the status indicator start flashing. If they do, your local WiFi network is not stable. Make sure that the Control Panel is located in an area with good WiFi coverage and then re-pair with your local WiFi network.

No response from the Control Panel when a Sensor is triggered

The Sensor is not within range of the Control Panel.

Check that the Sensor has been successfully paired to the Control Panel: Press any Button on the Remote Control, arm the system and separate the Contact from the Magnetic Sensor or press the Test Button on the Motion Sensor. You can re-pair the Sensor to the Control Panel by following the instructions in the App – [Edit Accessories] – [Show Me How]

I can't Arm or Home Arm (Part Arm) my alarm by App

If the alarm has been triggered and hasn't been disarmed and a user tries to Arm or Home Arm the System, an error notification will appear stating "Operation failed". In event of Operation Failure first disarm the system and then try again.

How to delete an Accessory

You can delete any Sensor in the App by going to [Edit Accessories] and tapping the 'bin' icon in the top right hand corner of the screen.

To delete all accessories press and hold the [Learn] button inside the Control Panel for 3 seconds, the Control Panel will beep once to indicate that all accessories have been deleted.

No sound when alarming

Check that the Control Panel Alarm volume is not set to mute and the ring time is not set to '0'.

Adjust the volume and the ring time accordingly.

How to reset the alarm system

Press and hold the [WiFi] button inside the Control Panel for 7 seconds.

You will hear one short beep after 3 seconds and then a long beep after another 4 seconds.

The reset has been completed and all the settings have been restored to default conditions.

Please note that this process does not delete any Sensors.

I've done the reset but I keep receiving notifications from the Control Panel

To stop receiving notifications from the Control Panel you can either switch the notifications off for the AW1 Alarm App in your Phone Settings or Delete User (submenu 'More') within the App.

Specifications

Control Panel

Power Supply	DC 12V 500 mA
Battery	3.7V 600 mAh Li-ion x 1pc
Battery Life Recharge Cycle	300 times
WiFi	IEEE 802.11b/g/n
Standby Current	<27mA
Alarm Current	<180 mA
Internal Siren	85 dB
Optional Accessories	10 Remote Controls, 30 Sensors
Radio Frequency	433.92MHz
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~+55°C Relative Humidity <80% (non-condensing)
Control Panel Dimensions	125 x 150 x 30 mm (L x W x H)
Bracket Dimensions	87.5 x 81.5 x 12 mm (L x W x H)

Remote Control

Power Supply	DC 3V (CR2025 lithium battery x 1pc)
Transmit Current	<7 mA
Transmitting Distance	<80 m (open area/no interference)
Radio Frequency	433.92 MHz
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~+55°C Relative Humidity <80% (non-condensing)
Dimensions	58 x 31 x 9.5 mm (L x W x H)

Door/ Window Sensor

Power Supply	DC 1.5V (1.5V AA LR6 battery x 1pc)
Static Current	<35 uA
Alarm Current	<40 mA
Transmitting Distance	<80 m (open area/no interference)
Radio Frequency	433.92 MHz
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~+55°C Relative Humidity <80% (non-condensing)
Transmitter Dimensions	71 x 34 x 17.5 mm (L x W x H)
Magnet Dimensions	51 x 12 x 13.5 mm (L x W x H)

Pet Friendly PIR Motion Sensor

Power Supply	DC 3V (1.5V AA LR6 battery x 2pcs)
Static Current	<18 uA
Alarm Current	<12 mA
Detection Scope	8m/110°
Pet Immunity	<25kgs
Transmitting Distance	<80 m (open area/no interference)
Radio Frequency	433.92 MHz
Housing Material	ABS Plastic
Operation Condition	Temperature 0°C~+55°C Relative Humidity <80% (non-condensing)
Detector Dimensions	108 x 52 x 36.8 mm (L x W x H)
Bracket Dimensions	52 x 30 x 26.5 mm (L x W x H)