



PIR303 ZigBee Motion Sensor

Quick Start Guide

1. Introduction

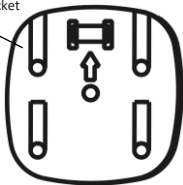
The PIR303 ZigBee motion sensor detects movement in your property. It allows you to receive notifications from the mobile app when movement is detected. This can be used to trigger an alarm or a light etc.

2. Get to know your device

2.1. PIR303 at a glance



Mounting Bracket



2.2. Reset button

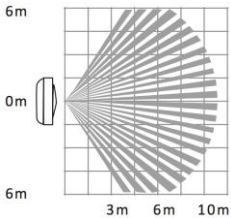
- Set the device to join the ZigBee network.
- Reset this device to factory default settings.

2.3. LED Indicator

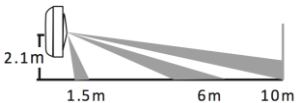
The LED indicator status as below:

LED status	What it means
Green LED flashes	The device is prepared to join a network (when you press and hold the reset button for two seconds).
Green LED flashes six times	The device leaves the network (when you press and hold the reset button to return it to default factory settings).
Red LED flashes one time	The device has detected movement.

2.4. Sensing range (Above View)



2.5. Sensing range (Side View)



3. Get started

To get started, you will need:

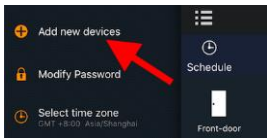
- A SEG-X3 Smart Gateway
- A PIR303 ZigBee Motion Sensor
- The mobile app

Then follow the steps below:

Step 1: Remove the pull tab to power on the device. The LED indicator will be flashing red indicating the device is in its warm-up state. After 30 seconds, the LED will turn off and warm-up complete.

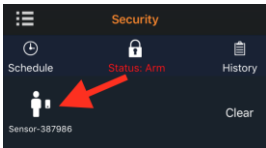
Tip: If there is no battery inside, please install a CR123A battery.

Step 2: Select “Add new devices” in the menu of the app.



Tip: for this step, you could also press the “Z” button of the gateway for two seconds until the LED indicator turn solid blue.

Step 3: Use a pin key tool to press and hold the reset button for two seconds until the LED flashes green to add it to the system, the LED will turn solid for a while when pairing is successful, please go to the app to check if it is successful added.



Step 4: Install the device

Note: The position of the device effects the range and performance of the sensor. Please see sensing range 2.4 and 2.5

Option 1: Please ensure all surface are clean, dry, flat and the temperature is over 10c before attempting to place the devices, or the adhesive will not be fully effective.



Option 2: Follow the diagrams below to fix the bracket and put the detector onto the bracket.





Your motion sensor is now ready for use.

4. FAQ

Q1. How can I return the device to default factory settings?

A1: Use a pin key tool to press and hold the reset button for five seconds until the LED flashes six times.

5. Technical Specifications

Operating Voltage	DC3V (1 x CR2450 button battery)
Current	Standby Current: $\leq 16\mu\text{A}$ Alarm Current: $\leq 30\text{mA}$
Installation Height	2.1 m
Detecting	Distance: 9-12 m Angle: 110 degrees
Operating Ambient	Temperature: $-10 \sim 50^{\circ}\text{C}$ Humidity: maximum 95%RH (no condensation)
Networking	Mode: ZigBee Ad-Hoc Networking Distance: ≤ 100 m (open area)
Anti-RF Interference	10MHz – 1GHz 20 V/m
Dimension	65(W) x 65(L) x 28(H)mm

6. Safety Notice



WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the device or other property. Read all the safety notices below before using the device.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.