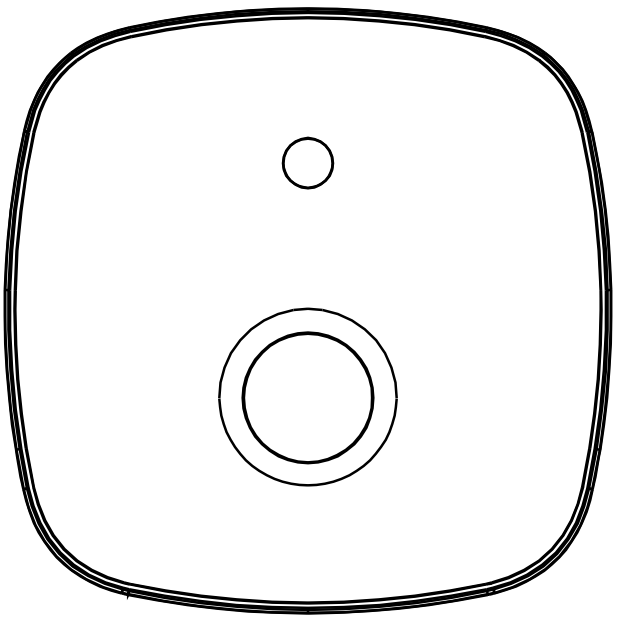


PIR313 Multi-Sensor

Quick Start Guide

Safety Notice

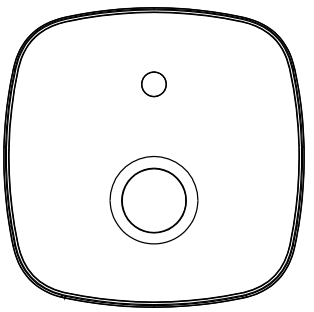
WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the multi sensor and other property. Read all the safety notices below before using the multi-sensor.

- 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 on yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

Wireless connectivity	• ZigBee 2.4GHz IEEE 802.15.4
ZigBee profile	• ZigBee 3.0
Range outdoor	• 100m (Open area)
Operating Voltage	• DC 3V (2*AA battery)
Current	• Standby Current: ⩽ 40μA • Alarm Current: ⩽ 110mA
Temperature Measurement	• Range: -10~85° C
Humidity Measurement	• Range: ⩽ 80% RH
Illuminance Mesurement	• Range: 0 ~128 klx • Resolution: 0.1 lx
Operating Ambient	• Temperature: -10 ~ 55° C • Humidity: maximum 85%RH non-condensing
Installation Height	• 2.1 m
Detecting	• Distance: 6m • Angle: 120°
Dimensions	• 83(L) x 83(W) x 28(H) mm
Weight	• 65g

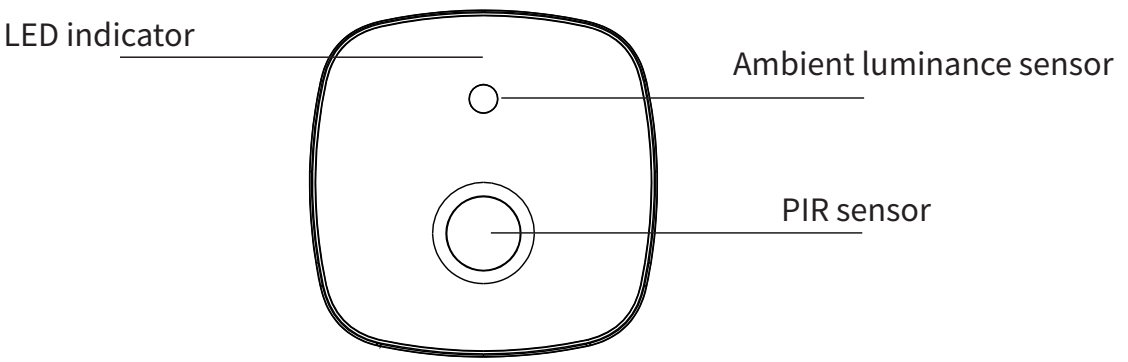
1 Introduction



The PIR313 Multi-sensor is used to detect movement, temperature & humidity, illuminance in your property. It allows you to receive notification from the mobile app when any movement is detected. You may also use the multisensor to monitor temperature & humidity, as well as illuminance.

This guide will provide you with an overview of the product and help you get through the initial setup.

2 Get to know your device

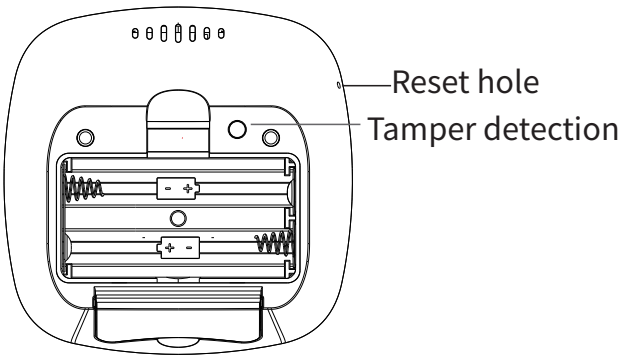


LED indicator

The LED status gives the following information:

LED status	What it means
Red LED flashing three times	Device has not joined a network or is ready to join a ZigBee network
Green LED flashing three times	Joined a ZigBee network
Red LED flashes once	Motion detected

Note: The alarm when someone is detected will last for 1 min, and it will be clear after 1 min.



Reset button

- **Join network.** Poke the reset hole once, the indicator flashes red three times indicating the sensor is ready to join a ZigBee network (if not, please return the device to default factory setting)
- **Reset.** Poke and hold the reset hole for 10 seconds. The indicator will flash three times in green at third second, then flash three times in green again at tenth second.

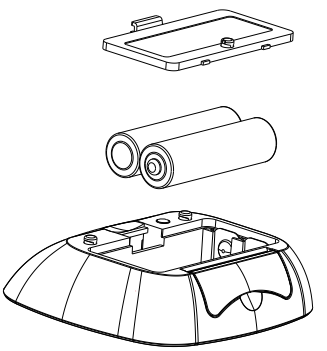
3 Get started

3.1 To get started, you will need:

A ZigBee Gateway
A mobile app
2 AA batteries

3.2 Multi-sensor setup

1. Switch the Dip-switch to a proper side. Power on the Multi-sensor.



3.3 Connect to the gateway's network

1. Set your gateway to permit joining.
2. Press the reset button once and the LED indicator will flash red for three times quickly indicating the sensor is ready to join the gateway (reset the Multi-sensor if not).
3. The sensor will join the gateway automatically. The LED indicator will flash green for three times when it has successfully joined. Please wait for 30 seconds for the device to sync its data.

4. Now you can see the multi sensor in the mobile App.

3.4 Installation

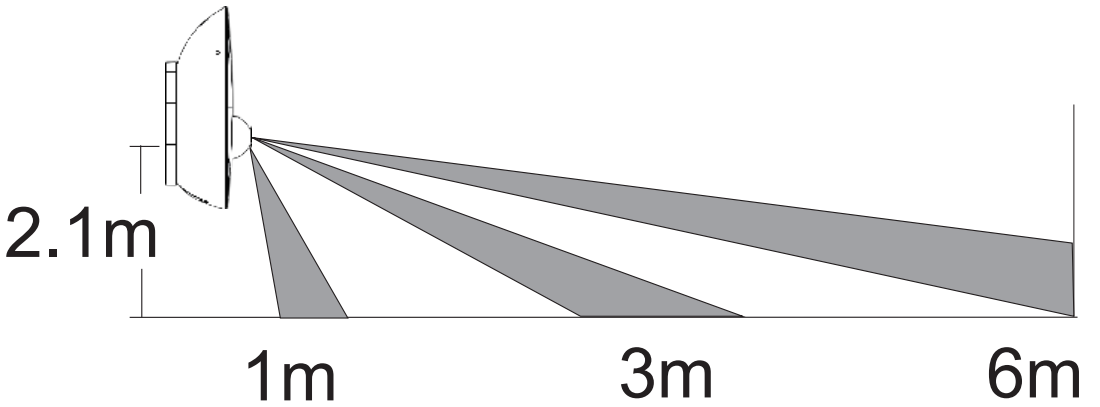
You can mount the multi-sensor to the wall as a traditional motion sensor, or you can choose to keep your multi-sensor on a bookshelf or table.

Wall mounting

Please peel off the liner on the double-sided tape and mount the sensor on the surface of the wall.

1. Please ensure that the surface is clean and secure.
2. Install the Multi-sensor in places where intruders are most likely to enter.
3. Avoid mounting the Multi-sensor close to pets, air conditioners, heaters, sunshine and places where the temperature varies.

Mount example



Avoid mounting

