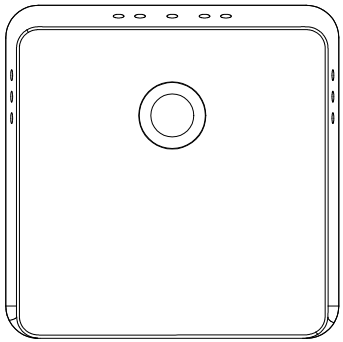


ZigBee Multi-Sensor

Quick Start Guide

Safety Handling

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

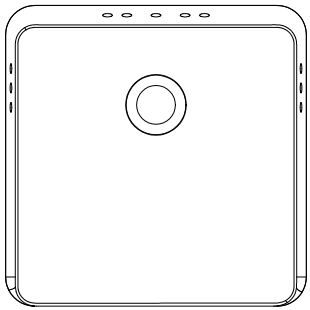
- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases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

Technical Specifications

Wireless Connectivity	
ZigBee	• 2.4GHz IEEE 802.15.4
ZigBee Profile	• ZigBee 3.0
RF Characteristics	• Operating frequency: 2.4GHz • Range outdoor: 100m (Open area) • Internal PCB Antenna
Physical Specifications	
Battery	• DC 3V (Two AAA batteries) • Alkaline batter
LED	• 1-color LED (Green)
Operating environment	• Temperature: -10°C ~+55°C • Humidity: ⩽ 85% non-condensing

Detecting range(PIR)	• Distance: 4m • Angle: 120°
Dimensions	• 62(L) × 62 (W)× 15.5(H) mm • Line length of remote probe: External temperature: 2.5m (Optinal)
Mounting Type	• Tabletop stand or Wall mounting

1 Welcome



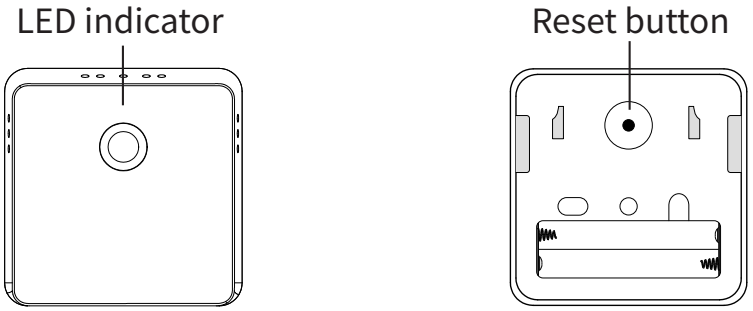
The Multi-sensor is used to measure the ambient temperature & humidity with built-in sensor and external temperature with remote probe. It is available to detect motion, vibration and allows you to receive notifications from mobile app. The above functions can be customized, please use this guide according to your customized functions.

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

Features:

- ZigBee 3.0
- PIR motion detection (Optional)
- Vibration detection (Optional)
- Environmental temperature & humidity measuring (Optional)
- External temperature probe(Optional): Available for water measurement
- Low power consumption

2 Get to know your device



LED indicator

The LED status gives the following information:

LED status	What it means
LED flashes once	Motion detected
When you press the reset button once	
LED flashes three times slowly	Device has joined a ZigBee network.
LED flashes three times rapidly	Device has not joined a ZigBee network.

Reset button

Reset: Press and hold the reset button for 10 seconds until the LED light flashes three times at third second, and it will flash for three times again at tenth second.

3 Configure Network

3.1 To get started, you will need:

- A Zigbee Gateway.
- A mobile phone with a mobile APP installed.

3.2 Adding to the gateway's network

1. Set your gateway to permit joining (see your gateway's manual).
2. Power on the Multi-sensor and press the reset button once to make sure the LED indicator is flashing rapidly (If not, reset it to factory defaults).
3. Make sure the Multi-sensor is in the range of gateway's network. After few seconds the Multi-sensor will join the gateway automatically and the LED indicator will flash slowly when it successfully joined.

Note: If the adding is failed, simply reset the Multi-sensor and retry.

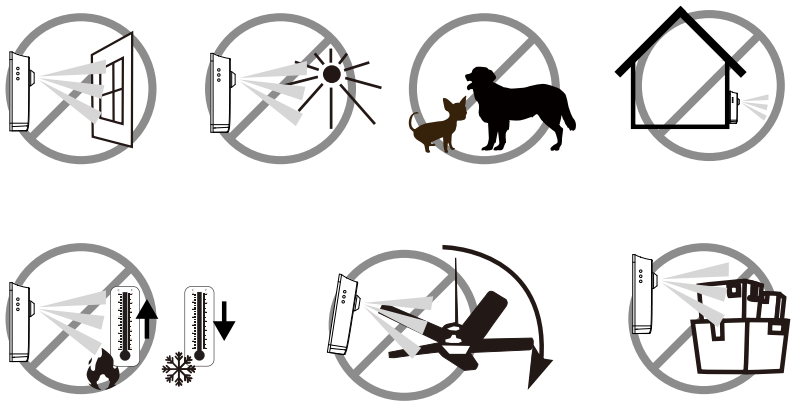
4 Installation

You can mount the multi-sensor to the wall, ceiling or keep your multi-sensor on a bookshelf or table.

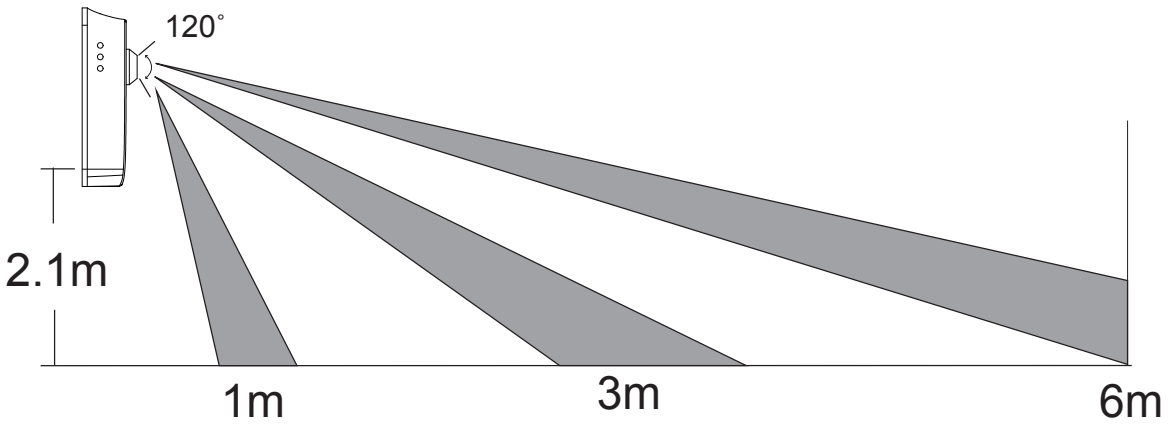
- Please ensure that the surface is clean and secure.
- You can peel off the tape on the back or lock it with screws.

PIR/Vibration/Environmental temp & humidity function:

1. Avoid mounting the Multi-sensor close to pets, air conditioners, heaters, sunshine or places where the temperature varies.



2. You need to pay attention to the distance and range of the sensor when installing.



External temperature probe:

Please refer to the mounting example below. You can measure the temperature by touching the probe with the measured object. Such as water, floor, metal etc. But don't put it in the environment with strong acid and alkali.

