

ZigBee 3.0

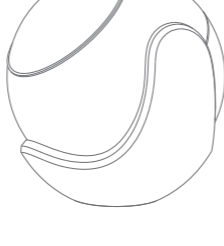
## BOND SERIES MOTION SENSOR

V 1.0

User manual & Warranty content

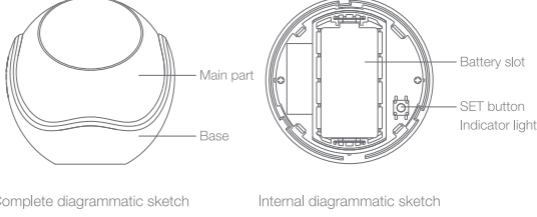
### Packing list

Make sure the device & accessories complete after unpack as below.  
Device x 1, 3M tape x 1, Battery x 1



### Product introduction

The motion sensor obtains the information of human body approaching or passing through by receiving the infrared emitted from human body.



Complete diagrammatic sketch

Internal diagrammatic sketch

### Product parameter

Dimension:  $\phi 50 \times 53\text{mm}$

Working Temperature:  $-10\sim 55^{\circ}\text{C}$

Working Humidity:  $\leq 85\%\text{RH}$

Input: 3V(CR123A, 1400mAh)

Battery Life:  $\geq 2\text{year}$

Lower Battery Alarm:  $2.7\text{V}\pm 0.2\text{V}$

Wireless Protocol: ZigBee 3.0

Transmit Power: 19dBm

Receiving Sensitivity:  $-100\text{dBm}$

Communication Distance:  $\geq 300\text{m}$  (Open area)

Equipment Installation Angle Adjustment

Range: 36 degrees left and right, 170 degrees

up and down

Detection Angle:  $0\sim 100$  degree

Focal Length FL: 11.7mm

Farthest Distance: 9m

### Installation tips

Incorrect installation will lead to equipment insensitivity or false alarm.



Forbidden installing the equipment above the heating or other heat dissipation equipment



Avoid installing near the fan or air conditioner



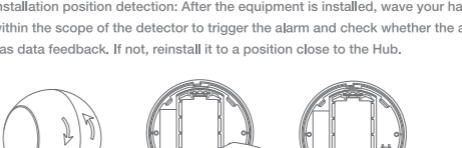
Avoid installation in direct sunlight



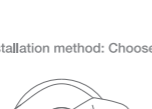
It is recommended to install the detector on the side or ceiling of windows or doors, and confirm that the detector is within the effective coverage.

### Installation instructions

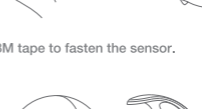
- Open the back cover of motion sensor.
- Take out the battery insulator.
- Network configuration.
- Close the back cover of motion sensor and put it in the right place. (after networking, please check the installation position to ensure that position is suitable before fixing)
- Installation position detection: After the equipment is installed, wave your hands within the scope of the detector to trigger the alarm and check whether the app has data feedback. If not, reinstall it to a position close to the Hub.



- Installation method: Choose screw or 3M tape to fasten the sensor.



Method One



Method Two

### Configuration

- Local networking: Short press the SET button, the blue indicator light flashes slowly, and the device ready for configuration. At the same time, open the App and click auto-configuration button, and the gateway will start searching for devices. When the configuration is succeeded, the blue indicator light goes out.

- Networking timeout: The blue indicator light flashes slowly in this state for up to 15 seconds. After the timeout, the indicator light turns off and the device sleeps.

- Local network logout: Long press (4 seconds) the set button, the blue indicator light flashes quickly for 5 seconds and then goes out, the logout is successful.

- Restore factory settings: The factory settings will be restored when you exit the network.

- Indicator status description

In the process of networking	The indicator light flashes slowly
After connecting to the network	The indicator light is off
Trigger motion sensor	The indicator light flashes twice and then goes out
In the process of exiting the network	The indicator light flashes for 5 seconds and then goes out