

# LEEDARSON

*We build your success in IoT.*



## LEEDARSON BLE Motion Sensor

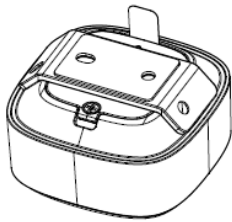
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# BLE Motion Sensor

## Quick Start Guide

### 1. In the box

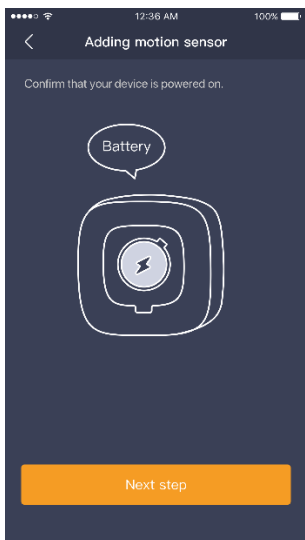


Motion sensor

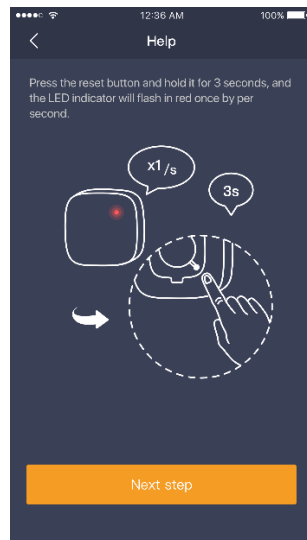


Screws

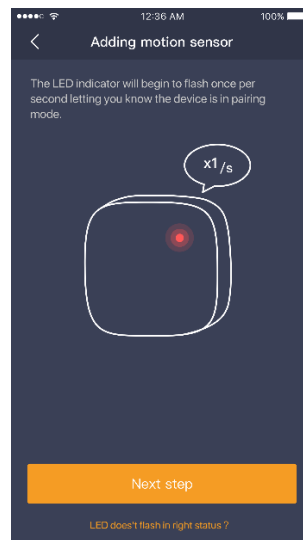
### 2. app set up



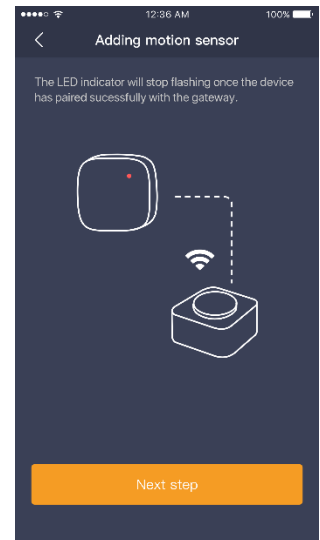
Remove the plastic sheet from battery cabinet. It's power on now.



Reset sensor



Sensor in pairing mode

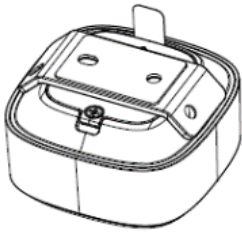


Sensor is connected to gateway or mobile phone

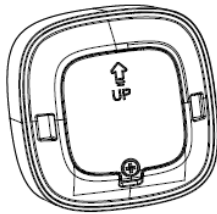
### 3. Product Introduction

The motion sensor is designed for using with scenes in home automation and security systems, integrate motion, light sensors to identify day or night mode for scenario application. The Motion Sensor lets you know when movement is detected in a certain area and can trigger different action (scenario) in response to that movement.

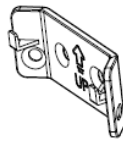
#### Product main components and function overview:



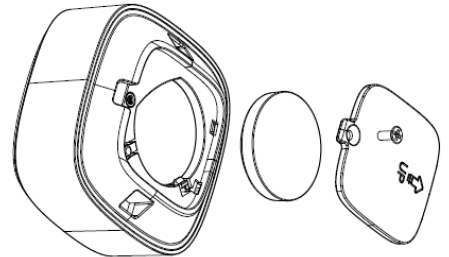
Motion sensor  
with bracket



Motion sensor



Bracket



Motion sensor

Battery

Battery  
cover

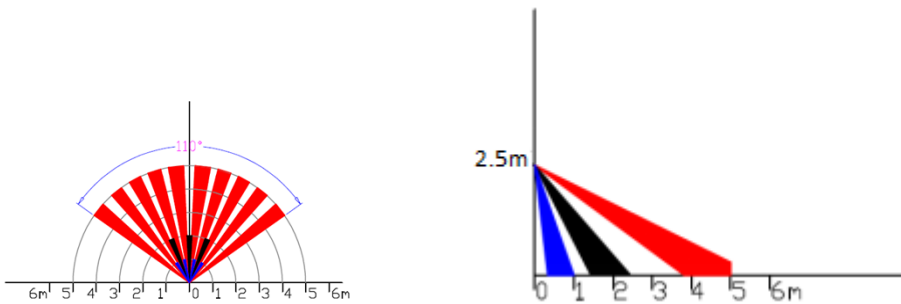
- ① **Reset** : Press the reset button(inside battery cover) for 3 seconds then release to reset the sensor.  
The sensor can be found if App or gateway open to search device.
- ② **LED Indicator**: If sensor has not been added to gateway or mobile phone, the LED will be blinking about one time per second. The LED will be turned off when joined to gateway or mobile phone successfully.
- ③ **Anti-tamper**: When the sensor is removed from the bracket, it can report tamper to gateway or mobile phone.

### 4. Product Installation

The motion sensor can be mounted by screws or 3M adhesive tape, install it according to the following step:

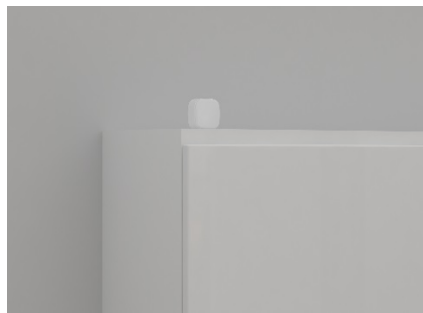
- ① Choose the installation location on the wall, fix the bracket by screw or 3M adhesion tape on the wall.

- ② Installation position should be chosen at the area which the pass-by will be across, try to make the pass-by in the detection area
- ③ Do avoid installation near air-conditioner, electric fans, refrigerators, ovens or other places where temperature easy change.
- ④ In order not to affect the detecting result, there should be no object in front of the produces lens.
- ⑤ Building (such as the wall) will shorten the distance of wireless communication.
- ⑥ Recommend to install motion sensor on the wall 2.5~2.8 meters height. The detection range will be about 5 meters and the detection angle will be about  $110^{\circ} \pm 10^{\circ}$  (2.8meters height).



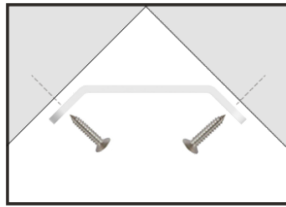
上图高度需改为 2.8m

**Please install it according to the diagram below:**

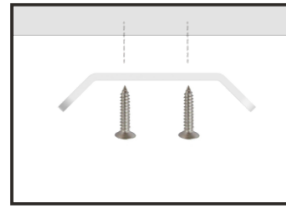




Install sensor with bracket



Install on the corner



Install on the wall



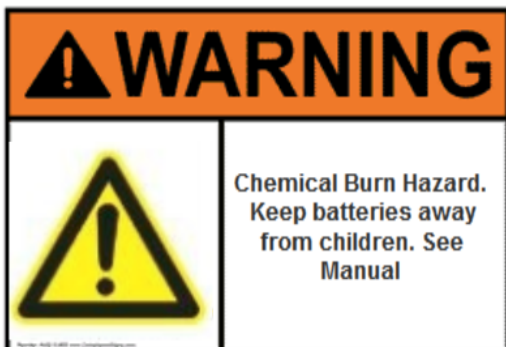
Install on the cabinet



Please mount sensor on the bracket to avoid anti-tamper notification.



## 5. Safety Information



### Battery Safety Information:

- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep away from babies and small children at all times.
- If battery is swallowed or placed inside any part of the body, immediately seek medical help.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used battery promptly.



**IMPORTANT:** Do not expose to rain. Install the product at least 3 ft. from the door for optimum performance. This alarm contains small parts and is not suitable for children. Periodically check the condition of the batteries.



**Disposal and Recycling Information:**

Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environment safe recycling.

Operating Frequency: 2402-2480MHz,  
Maximum RF Output Power: 7.1dBm

## 6. Maintenance

### ① How to reset a door/window sensor?

Keep pressing the reset key about 3 seconds, then the LED indicator will start blinking quickly. Once release the key, the sensor will reset to factory setting and the LED indicator blinks once per second to search a new enabled network.

### ② How to join a door/window sensor?

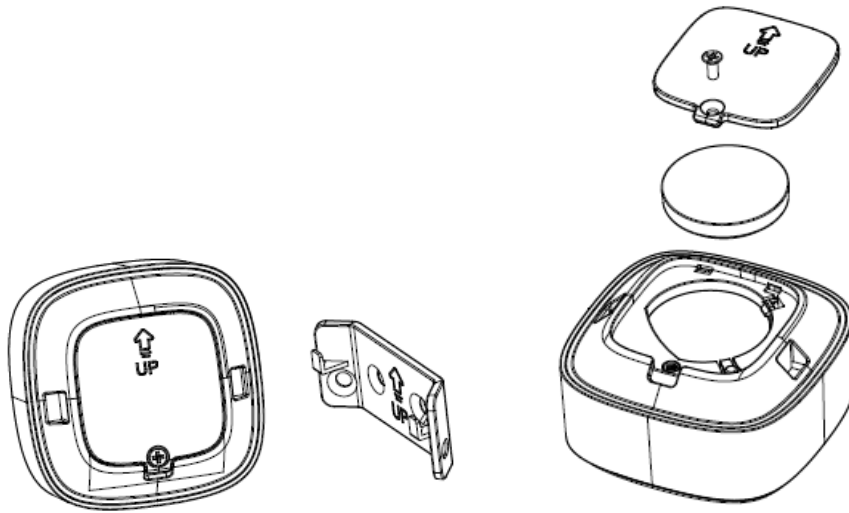
After the sensor is reset to the factory setting, the signal light blinks once per second and sensor starts searching an enabled network. If sensor enrolled successfully, it will stop blinking and stay on for 10 seconds. If no available networks were found within 3 minutes, sensor will stop blinking and turn off.

### ③ If need to clean the sensor, please use a soft cloth with a little alcohol to wipe it after you cut off the power.

### ④ This product is just for indoor use only.

### ⑤ Please well-Installed the sensor on the bracket. If it is not well-mounted, it may report anti-tamper.

### ⑥ Replace the battery timely on low battery warning to ensure the detector works properly. Please use battery model CR2450 only.



Remove sensor from bracket  
(Fix bracket and move sensor up)

Remove screw from battery cover  
Open battery cover, replace battery

## 7. FCC compliance notice

**FCC ID: (to be filled)**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.



- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.