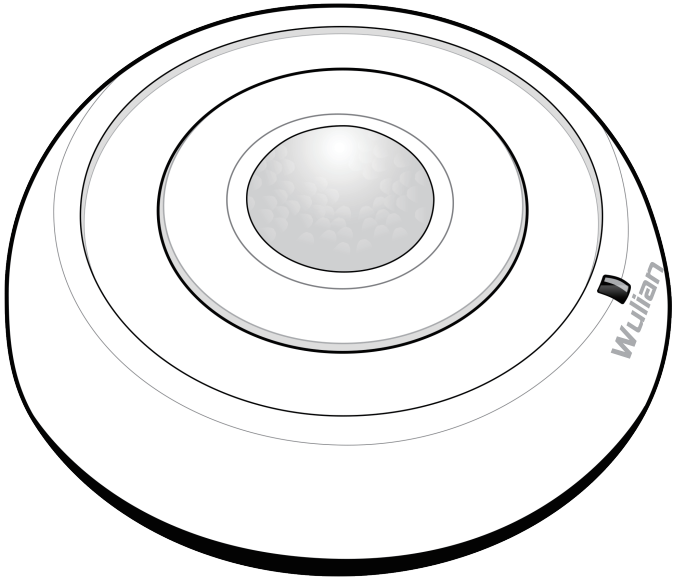
Wulian®

ISO9001： 2008 Certified

Smart PIR Motion Detector

WL-ZSPWBPW-PI11-04

User Manual



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Welcome to Use Smart PIR Motion Detector

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●Please read this manual carefully to ensure proper and safe use.

●Wulian Smart PIR Motion Detector (hereinafter referred as “this product”) is manufactured by Nanjing IOT Sensor Technology Co., Ltd. (hereinafter referred as “Wulian”). This product shall be used with supplied accessories. Wulian is not responsible for any loss due to improper installation or usage of this product.

●Wulian will update product information in this manual anytime without prior notice. Please pay attention to our information timely.

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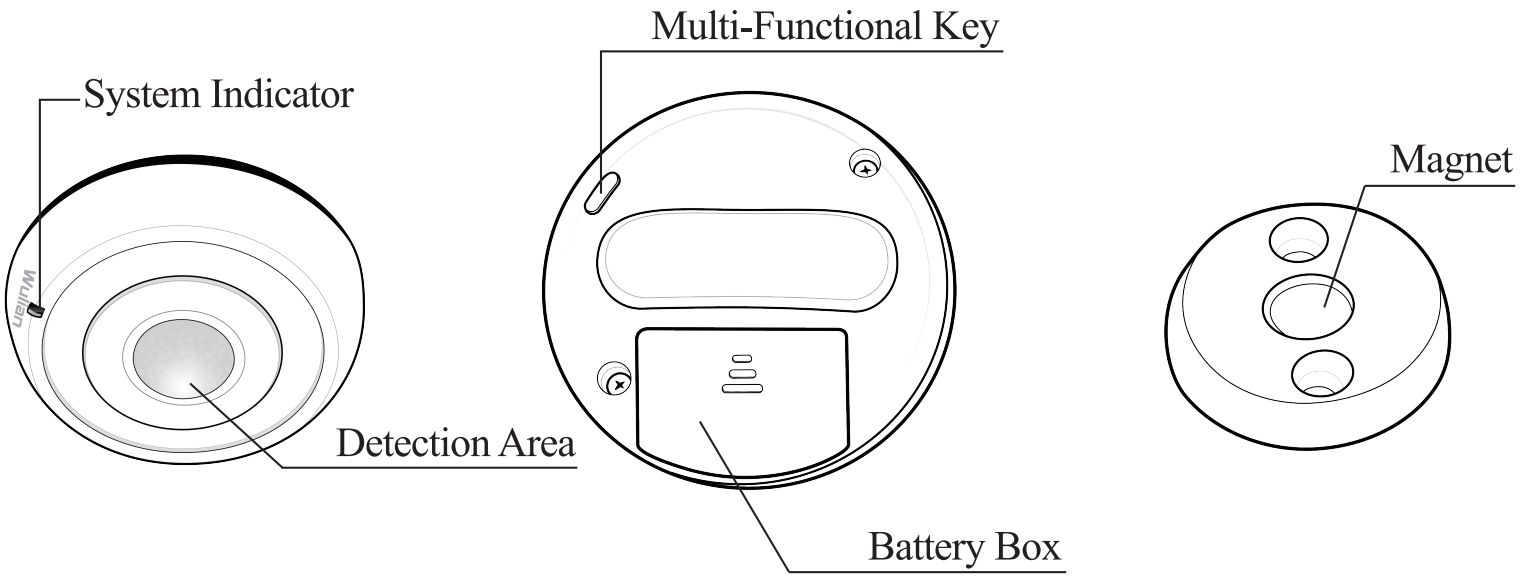
Product Illustration



Front of body

Back of body

Base

Features

- Support IEEE 802.15.4（ZigBee/HA1.2）communication method.
- Support remote monitoring and control.
- When in “Defense” state, send alarms at the first time when detecting mobile objects approaching the defensing area; Link with other related security devices for multi-defense.
- Alarm through wireless transmission; Rapid, anti-interference and low false alarm rate.
- Compensate sensitivity for environment and temperature change.
- Free adjustment of detecting angle; Wide detecting range and convenient and simple for adjusting.
- Exquisite in design, fit to all decoration styles.
- Shell adopts high impact resistance and high temperature resistant material, strong and durable.

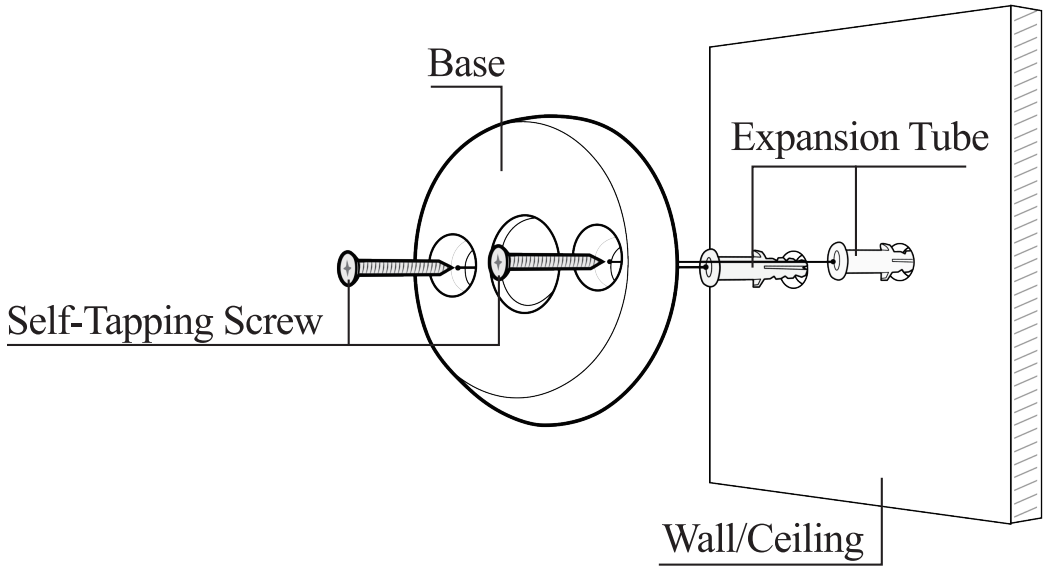
Installation Steps

Note: It is recommended to install this product 2.4m to 4m above ground.

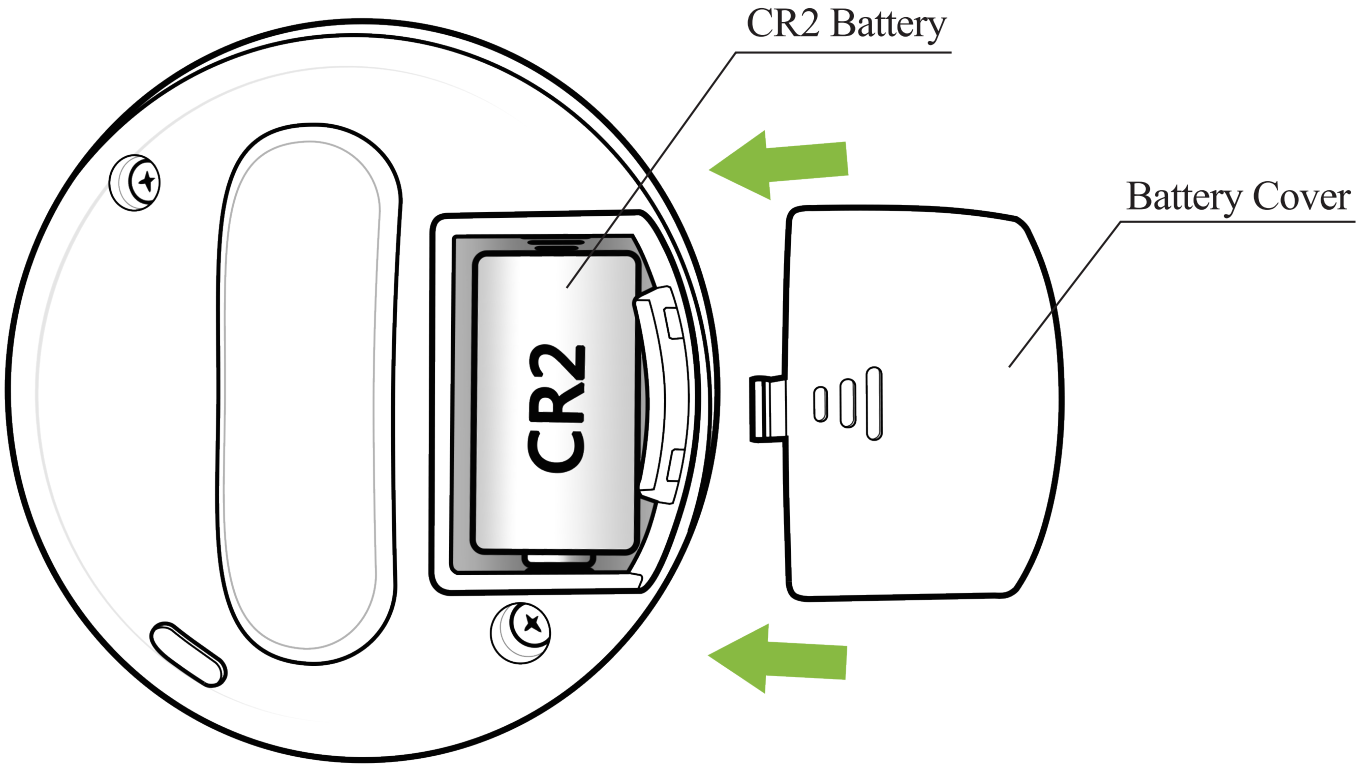
Option A: Place it on any fixed flat surface

Option B: Wall/Ceiling-Mounted

Step One: When the Option B is adopted, please mark the position on the wall or ceiling, mount into two Expansion Tubes, and then fix the Base with two Self-Tapping Screws.

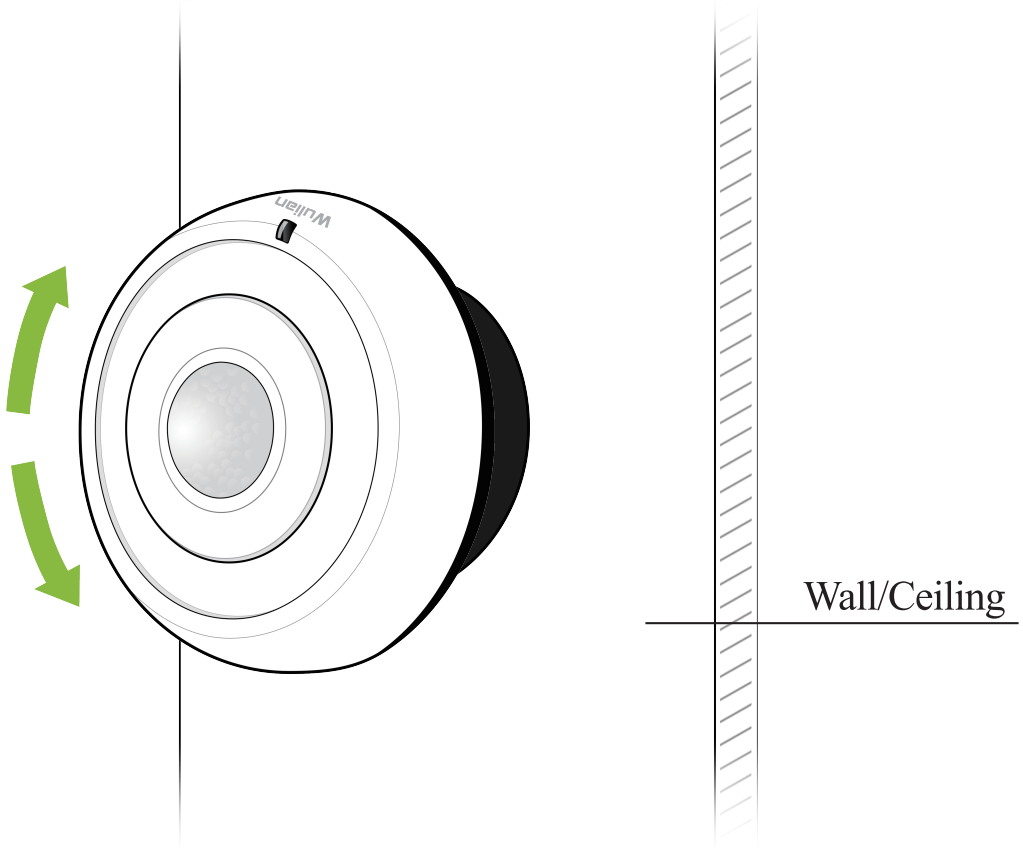


Step Two: Open the Battery Cover and put in a CR2 battery (pay attention to the positive and negative terminals of the battery).



Step Three: Attach the body directly to the base and adjust it to a suitable angle to complete the installation.

Note: Set the network before installation is completed.

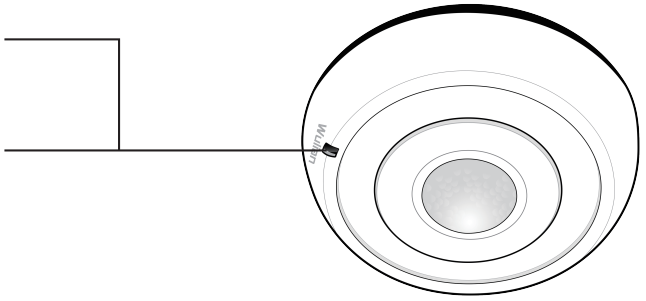


Network Setting

1. Before setting, please make sure the gateway (needs to be purchased) works normally and the ZigBee network indicator flashes, also the product is in a power-on state and within valid communication scope of the wireless gateway.
2. Before operating, please make sure the product is not connected to any other gateway; or exit the connecting ZigBee network before networking again (new product can be connected to the network directly).
Note: This product is applied to HA1.2 wireless gateway only.
3. Networking
①First time to join the network
●Allow the gateway for networking (refer to the gateway manual for details);
●When use the product for the first time, power it on and it will apply to join the ZigBee network automatically;
●Then the [System Indicator] flashes while searching for the network;
●When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.

❶ [System Indicator] flashes while searching for the network

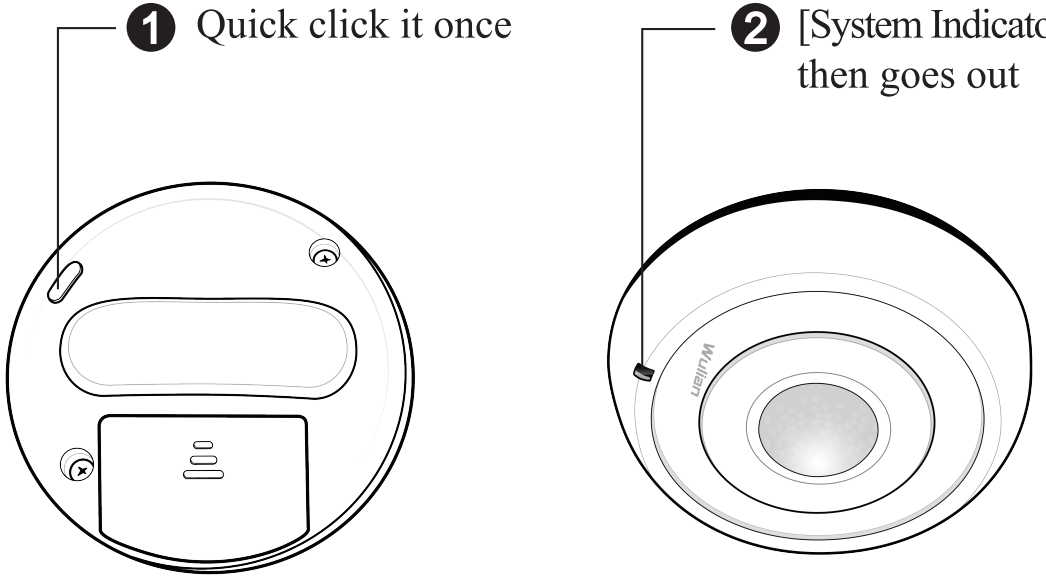
❷ When successfully joins the ZigBee network, the [System Indicator] stays on for 2s and then goes out



②Join the network manually

●Quick click [Multi-Functional Key] once, then the [System Indicator] flashes while searching for the network;

●When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.

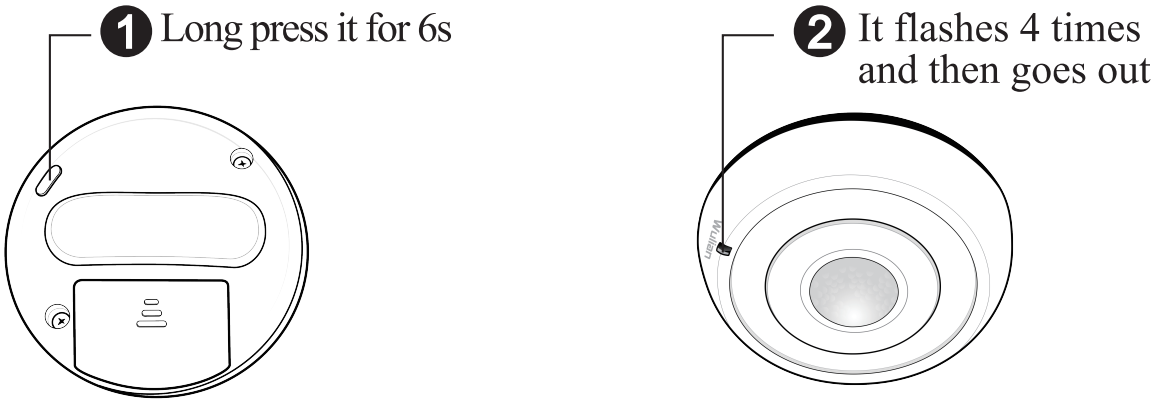


Note: Quick click Click the [Multi-Functional Key] one time and [System Indicator] flashes once to indicate successful networking.

4. Exit Setting

●Long press the [Multi-Functional Key] 6s and loose it;

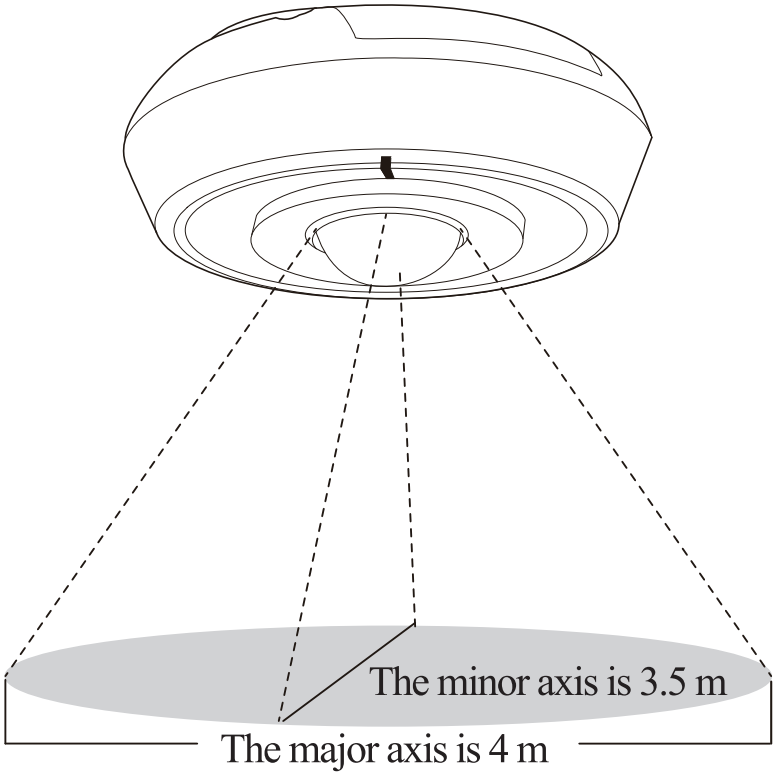
●Then the [System Indicator] flashes 4 times regularly and goes out to exit the current ZigBee network.

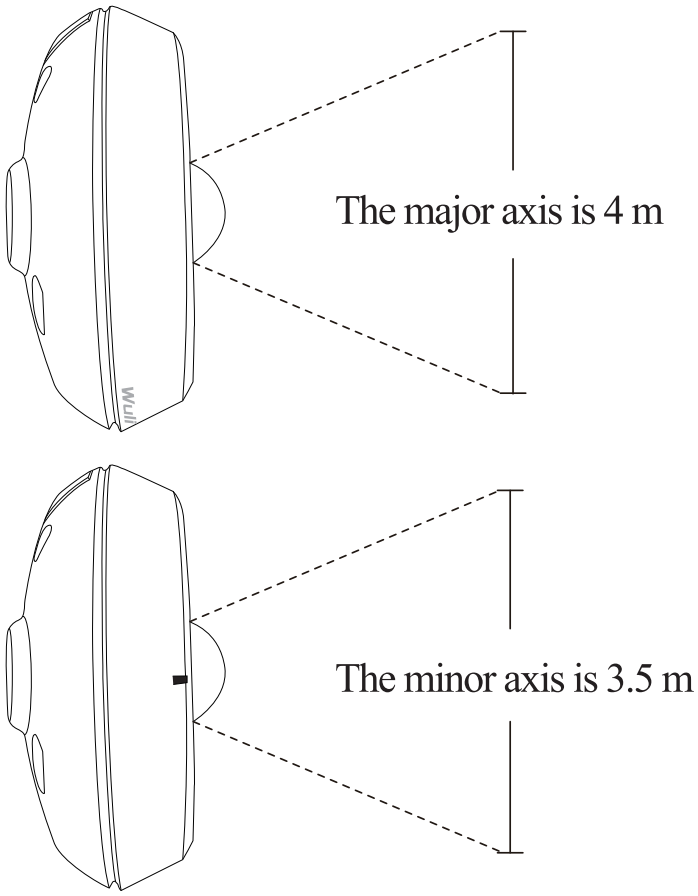


Note:

If the device cannot join the ZigBee network after the operations above, please follow the following steps (please make sure the gateway is allowed for networking): ①exit the network (refer to Exit Setting for details); ②wait for 2s and quick click [Multi-Functional Key] once to join the network.

Detecting Range





User Guide

Under normal operating conditions, [System Indicator] does not flash; under security state, once the moving object is detected in the detection zone, [System Indicator] flashes red once, and alarm information will be sent to smart mobile terminals at the same time. When the battery voltage is too low, the mobile intelligent terminal will receive the wireless under voltage alarm information, which reminds users to replace the battery promptly, so as not to affect the normal use.

Cautions

●This product shall be installed according to the height specified in the user manual. Installing too high or too low would cause adverse effect to the angle and distance of detection. The shield, furniture, potted plant and other partitions shall not be placed in the detective range of this product.
●This product shall be placed away from air conditioners, refrigerators, stoves and other places as it is sensitive to change in temperature. In case of false alarm caused by thermal current and motion of human, it should not face the windows. If it is installed near the windows, it is recommended to shut the curtains.
●This product shall be inspected regularly for malfunction to ensure timely alarm.
●Do not drop this product high in the air or smash it in case of destroying the internal components.
●Do not dissemble or refit this product and the accessories by yourself.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Electrical Parameter

Communication Mode	IEEE 802.15.4 (ZigBee/HA1.2)
Antenna Type	Internal Antenna
Power Parameter	DC 3V
Standby Current	15μA
Battery Type	CR2*1
Detection Range	Ellipse (Major Axis: 4m, Minor Axis: 3.5m)
Detection Sensitivity	Once
Detection Speed	0.2~3.5m/s

Structure Parameter

Panel Size (Diameter * Thickness)	64x38 (mm)
Material & Color	PC, White
Flame Retardant Rating	UL94 V-2
Working Temperature	-10℃~+45℃
Working Humidity	≤95%RH (Noncondensing)
Installation Method	Base-Fixed
Net Weight (g)	50 (g)
Storage Temperature	-20℃~+60℃
Installation Height Range	2.3-4 (m)

Purchasing Information

Name	Smart PIR Motion Detector
Model	WL-ZSPWBPW-PI11-04
Material & Color	PC, White

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