

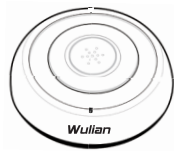
Wulian[®]

ISO9001:2008 Certified

Smart Temperature & Humidity Sensor

WL-ZSSWBPW-TH-02

User Manual



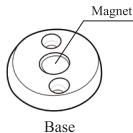
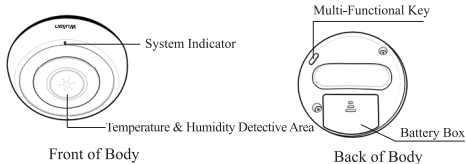
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Welcome to use Smart Temperature & Humidity Sensor

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- Please read this manual carefully to ensure proper and safe use.
- Wulian Smart Temperature & Humidity Sensor (hereinafter referred as “this product”) is manufactured by Nanjing IOT Sensor Technology Co., Ltd. (hereinafter referred as “Wulian”). This product shall be used with Smart Home App as well as 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 and download Smart Home App with the latest edition.
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Product Illustration



Name	Explanation
System Indicator	Show the current state
Multi-Functional Key	Join or Exit the network
Base	Fix or attach to the body

Features

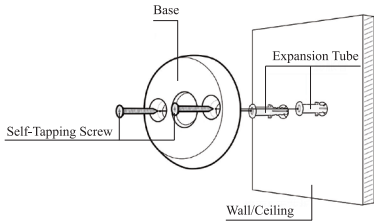
- Support IEEE 802.15.4 (ZigBee/HA1.2) protocol.
- Monitor the surrounding temperature and humidity, and transmit the relevant data to mobile terminals. Users can turn on/off the binding devices according to the detecting data to provide healthy indoor environment.
- When the battery power is low, the mobile terminals will receive alarm information. Please change the battery in time for normal use.
- Low power consumption, energy saving and environmental protection.
- Delicate, wireless, easy to install.

Installation Guide

Option One: Place it on any fixed flat surface

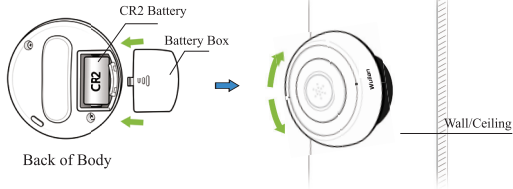
Option Two: Wall/Ceiling mounted

①When the Option Two 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. As shown in the figure:



② Open the Battery Cover and put in a CR2 battery. Attach the body directly to the base and adjust it to a suitable angle to complete the installation.

Note: Set the network before installation.



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.

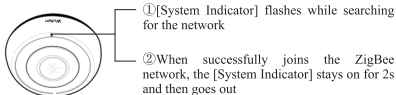
2. Before operating, please make sure the product is not connected to any other gateway; or exit the connecting ZigBee network before networking again (new product can be connected to the network directly).

Note: This product is applied to HA1.2 wireless gateway only.

3. Networking

① First 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.

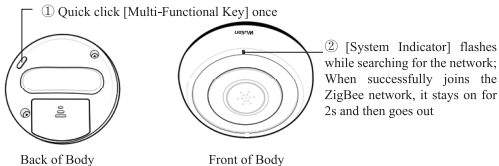


Front of Body

②Join the network manually

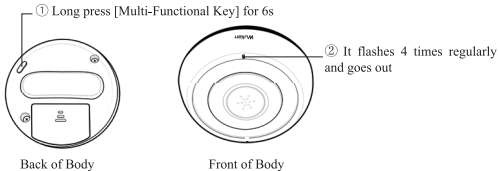
- Quick click [Multi-Functional Key] once, then the [System Indicator] flashes while searching for the network;
- When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.

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



4. Exit Setting

- Long press the [Multi-Functional Key] for 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.

Electrical Parameter

Communication Protocol	IEEE 802.15.4 (ZigBee/HA1.2)
Antenna Type	Internal Antenna
Power Parameter	DC 3V
Standby Current	<2 μ A
Battery Type	CR2*1
Detection Power Consumption	<10mA
Communication Distance	100m (Depend on the specific situation)

Structural Parameter

Overall Size (Diameter *Height, mm)	64*32(mm)
Material & Color	PC, White
Flame Retardant Rating	UL94 V-2
Installation Method	Base Fixed
Measuring Humidity Range/ Accuracy	5~95%RH/±4.5
Measuring Temperature Range/ Accuracy	-10℃~0℃/±1℃
	0℃~+60℃/±0.5℃
	+60℃~+70℃/±1℃
Net Weight	39g
Storage Temperature	-20℃~+70℃

Purchasing Information

Product Name	Smart Temperature & Humidity Sensor
Product Model	WL-ZSSWBPW-TH-02
Material & Color	PC, White

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