版本记录

V1.0 2023-05-12
首次设计，吴琼

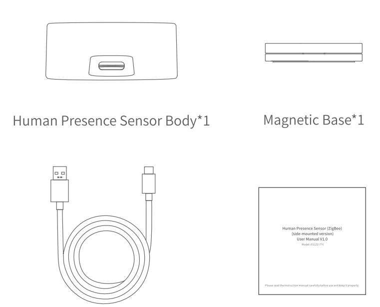
正面

Product Introduction



Human Presence Sensor (ZigBee) ES1ZZ (TY) is an intelligent induction device that can sense the stillness, micro-movement and movement of the human body. The built-in ZigBee wireless communication chip enables it to be connected to the Tuya platform, and can be linkage with other devices through the settings on the Smart Life APP.

Packing List



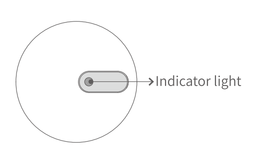
Human Presence Sensor Body*1

Magnetic Base*1

USB Charging Cable *1

User's Manual*1

Indicator Light Description



①	Power on or reset	The blue light and red light flash once.
②	Waiting for network configuration	The blue light keeps flashing slowly. (Expired in 3mins.)
③	Someone be detected	The blue light flashes every 5 seconds.
④	Button is valid	The blue light is always on when the button is pressed, and the blue light is off after the button is bounced up.
⑤	Error	Red light keeps on.

Product Parameter

Model	ES1ZZ(TY)
Power Supply	5V⎓1A
Power Consumption	0.5W
Communication Protocol	ZigBee
Radar Frequency	24GHz-24.25GHz
Light Sensitivity Range	0-10000lux
Operating Temperature	-10℃~ 40℃
Operating Humidity	0~95%RH, Non-condensing

Overview of Installation Steps

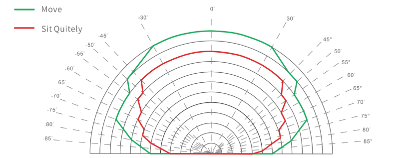
Installation steps for human presence sensor:

1. Wiring.
   The device will automatically be in the "waiting for network configuration" status after Connected to the USB-C cable to the power.
2. Install the Smart Life App (skip if already installed).
3. Connect Zigbee gateway to the Smart Life App.
4. Add the device to the Smart Life App
5. Enjoy it.

1. Install Wiring

First, choose the installation height, preferably 1m off the ground. (It is at the same level as the chest of the person when sitting quietly.) When there are obstacles and not convenient to install at 1m level, it is suggested to be installed at a higher position (not exceeding 2m), and at the same time, adjust the pitch angle so that it is aligned with the chest where people usually sit.

Then, select the installation horizontal position. The test reference induction distance of 1m side mount height (sensitivity and the furthest detection distance are adjusted to the maximum) is as follows:



After the location is selected, if it is a magnetic location and there is no rotation angle requirement, you can directly place the main body magnetically to the location to be installed. If the position cannot be magnetically attracted or the rotation angle is required, the main body needs to be magnetically placed on the metal bracket, and then pasted with the sticker on the back of the metal bracket.

Note:
1. Within the sensing range, if there are swinging green plants, moving metal, fluttering curtains, clothes, running air conditioners, fans and other interference factors, the sensor may misjudge them as human body. If there is vibration or shaking at the installation location, they also might be misjudged as human body.
2. This sensor is not professional waterproof and moisture-proof equipment. To ensure long-term normal use, please be sure to install it in the dry area.

2. Install Smart Life APP

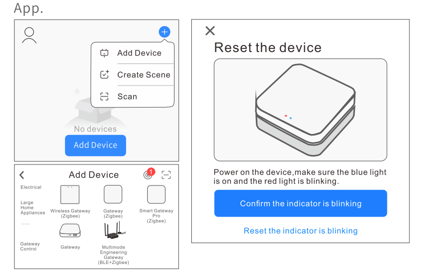
(Skip if already installed)

This product has been connected to Tuya platform, can be controlled through Smart Life App, and can be interconnected with other products.

Scan the QR code below, download and install the Smart Life App. Or search for "Smart Life" in the App store, download and install the Smart Life App.

3. Connect ZigBee gateway to the Smart Life App

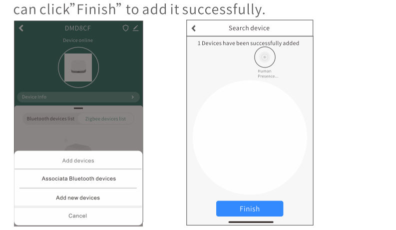
ZigBee gateway configuration: Select "Add device" in the App, click "Gateway Control" and select ZigBee gateway (All kinds of Zigbee Gateways which can connected to the App of Smart Life can support this device, the wireless gateway is used as an example only), and add gateway following the prompts of App.



4. Add the device to the Smart Life App

After the sensor is powered on, the blue indicator blinks slowly, indicating that the sensor is in network configuration mode. If the sensor has already connected to a network, it can be reset by holding down the button for 5s to make it enter the network configuration mode again.

On the Gateway home page of the APP, click "Add Device"->" Add new devices", the gateway will find the sensor and you can click"Finish" to add it successfully.



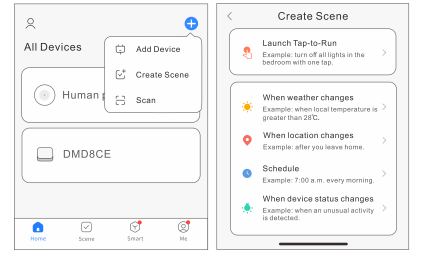
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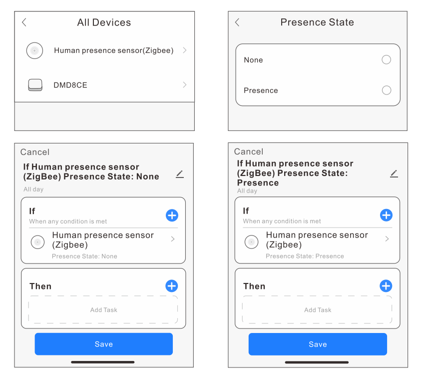
5. Enjoy it

You can use the APP to check whether there is anyone in the sensor detection area, the duration of the presence, the current illumination and other information. You can also set the sensitivity and the farthest detection distance. Specific interface details may vary depending on the APP version.
You can set up intelligent scenes to achieve rich situational patterns such as "Someone exists--Turn on the lights" and "No one exists--Turn off the lights".



Select the creation scene of APP home page—>; "When device status changes", then select "Human Presence Sensor (ZigBee), select "Presence State" —>; Presence/None as the "if" condition item, and then select the corresponding luminaire state as the execution item, can achieve rich intelligent scene.





Environmental protection
The device and its accessories (if included) should not be disposed of with household garbage.
Disposal of the device and its accessories is subject to local regulations. Support proper collection and recycling.

Disposal and recycling information

This symbol (with or without a solid bar) on the device, and/or the packaging, indicates that the device and its electrical accessories (for example, a cable) should not be disposed of as household garbage. These items should not be disposed of as unsorted municipal waste and should be taken to a certified collection point for recycling or proper disposal. For more detailed information about device, contact your local city office, household waste disposal service, or retail store. Disposal of the device is subject to WEEE Directive Recast (Directive 2012/19/EU).The purpose of separating WEEE from other waste is to minimize the potential environmental impacts and human health risk of any hazardous substances that may be present.

Reduction of hazardous substances This device is compliant with the REACH Regulation [Regulation (EC) No 1907/2006] and RoHS Directive Recast (Directive 2011/65/EU).

EU regulatory conformance Statement
Hereby, Wuhan Linptech Co., Ltd.declares that this device is in compliance with the essential requirements and other relevant provisions of 2014/53/EU.

The following marking is included in the product:

CE

This device may be operated in all member states of the EU. Observe national and local regulations where the device is used. This device may be restricted for use, depending on the local network.

FCC Warning
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.

Note: 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

Human Presence Sensor (ZigBee)
(side-mounted version)
User Manual V1.0
Model: ES1ZZ (TY)

Please read the instruction manual carefully before use and keep it properly.

封底 封面

图纸评审

需求人签核

设计主管签核

认证签核

项目名 ▶ 涂鸦ZigBee人体存在侧装版 说明书（英文）	印刷工艺 ▶ 四色胶印	物料材质 ▶ 157g铜版纸
料　号 ▶ L05-0008	成品尺寸 ▶ 60×60mm	成型形式 ▶ 10折页