

Zigbee Opening Sensor



Ref: 1811680
 EN User guide
 CN 用户指南



1. SAFETY & IMPORTANT INFORMATION

Read this user guide carefully before installing and using the Somfy Zigbee Opening Sensor.

This user guide describes the installation, commissioning and use of the products. Before beginning installation, make sure that the Somfy Zigbee Opening Sensor is compatible with the equipment and associated accessories.

Any incorrect use will invalidate the warranty and Somfy's liability.

CAUTION

- This product is designed for indoor use only.
- Always keep this product dry.
- To prevent fire or shock hazard: Do not expose the product to excessive heat by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed nearby the product.
- Do not allow your product to be submerged in water.
- This product shall not be exposed to dripping or splashing.
- To clean the product, use a soft cloth with plain water to swipe. Do not use cleansing agents containing alcohol, spirits, ammonia or abrasives as they may harm the product.
- Do not disassemble the product.
- Do not operate the product in a place where temperature is below -10°C or above 45°C.
- Do not allow the children to access the product during the installation.
- Replace the new battery to the correct (+) & (-) polarity as shown in the battery compartment.
- Dispose the used battery in a proper place where the children cannot access, swallowing the battery will lead to the injury OR death of the children.
- Remove the battery and safe keeping if you don't use this product for a long time.
- Batteries [battery pack or batteries installed] shall not be exposed to excessive heat such as sunshine, fire or the like.

2. PACKAGE CONTENT

1. Main Sensor x 1
2. Magnet x 1
3. Bracket x 1
4. 3M tape x 1
5. CR2032 x 1 (3V dc)
6. User guide x 1 (Simplified Chinese + English)
7. Metal Pin x 1

3. PRODUCT DESCRIPTION

Somfy Zigbee Opening Sensor is designed for use with scenes in home automation systems under Zigbee HA 1.2 protocols, the contact sensor lets you know when door or window is opened and can trigger different actions in response to that open action (or close action).

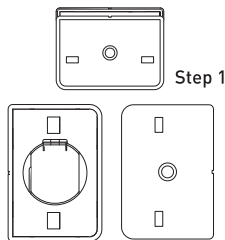
This device is compatible with SOMFY gateway (i.e. TaHoma Bee) or devices for remote control & interoperation.

Before the installation, please read the below note:

1. Should be affixed indoors and away from sources of moisture.
2. The install distance between the magnet and main sensor must be less than 2cm apart. Recommend the install distance between magnet and main sensor is less than 15mm, 8mm is perfect. The magnet and the main sensor must separate when the door or window is opened.
3. Should not be mounted on a metal frame.

4. INSTALLATION

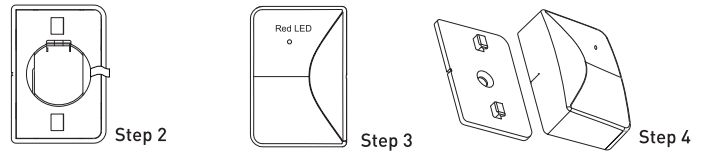
Step 1:
Remove the bracket from the Main Sensor.



Step 2:
At first time to install the product, please remove the plastic tab from the battery compartment to allow the connection to the terminal.

Step 3:
Main Sensor will be in pairing status when power turns on at the first time. This will cause a LED indicator to flash once per second. If sensor enrolled successfully, it will stop blinking and stay on for 10 seconds.

Step 4:
Assembly the Main Sensor to the bracket as below after pairing successfully.



Step 5a: (Mounted by screws)

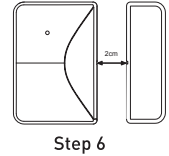
Drill the hole on the desired location then mounted the bracket (with Main Sensor) by screws.

Step 5b: (Mounted by 3M adhesive tape)

Seal off the 3M adhesive tape on the bracket (with Main Sensor) then stick it at the desired location.

Step 6:

Stick the slim magnet by 3M tape in no further than 20mm from the Main Sensor as illustrated below. Recommend the separation of Main sensor and Magnet in between 8-15mm.



5. USE YOUR PRODUCT

1 Reset:

After powered ON the Main Sensor, use the metal pin to press and hold the button for 3 seconds to reset the sensor, LED indicator will blink quickly (100ms on, 100ms off). Once release the key, the sensor will reset to factory fresh setting and the signal light blinks once per second to search a new enabled Zigbee network.

Reset procedure deletes memory, including all information on the Zigbee network and the gateway.

The Main Sensor will be under pairing mode & the App or gateway could pair the Opening Sensor at instant.

2 LED indicator:

After the sensor is reset to the factory fresh setting, the signal light blinks once per second and sensor starts searching an enabled Zigbee network. If sensor enrolled successfully, it will stop blinking and stay on for 10 seconds then turn off;

If no available networks were found within 3 minutes, sensor will stop blinking and turn off.



Tip

When initially setting up the Opening Sensor, it is recommended to perform the setup task within 15 feet (4.5 meters) of the Zigbee Router.

Pairing to Gateway (Scan QR code)

1. Set the gateway (i.e. TaHoma Bee) in device pairing mode. [Configuration -> Add -> Zigbee device]
2. Scan the QR Code on the product label.
3. Check the icon of "Opening Sensor" exists in the App.
4. Follow the instructions to join the Network.

Low voltage alert to replace the battery

When the battery voltage is low, the detector inside Opening Sensor will send the signal to alert the gateway.

Replace the battery timely on low battery warning to ensure the detector works properly. To replace the battery, open the battery compartment and install the new battery into the sensor.

6. TECHNICAL SPECIFICATION

Model	1811680
Power Supply	3V dc, CR2032 x 1
Product Package	Main Sensor x 1, Magnet x 1
Detective Range	20mm
Mounting Method	Screws or 3M Tape
RF Protocol	Zigbee HA 1.2
Radio Frequency	2.4GHz
Maximum RF Power	<10dBm
RF distance	40 meters * RF distance would be affected by specific material, such as mirror, metal, or high power electronic devices
Battery Life	~ 2 years (Determined under 4 times per day) * Subject to change for the use frequency
Low Battery Detection	Support to send the "Low Battery" status to the Gateway
Operating Temperature	-10°C - 45°C
Relative Humidity	10% - 85%
Dimensions	Main Sensor: 45.3mm x 31.1mm x 19.1mm Magnet: 45.3mm x 15.2mm x 18.4mm
Weight	~ 30g

7. TROUBLESHOOTING

Problem	Possible Causes	Solutions
Can't turn on the sensor	Out of battery	Please replace the new battery per the instruction
Pairing failed	Network settings are incorrect	Check the gateway setting
Can't operate the device through the App	Mobile can't connect to the gateway	Check the wireless setting in the mobile