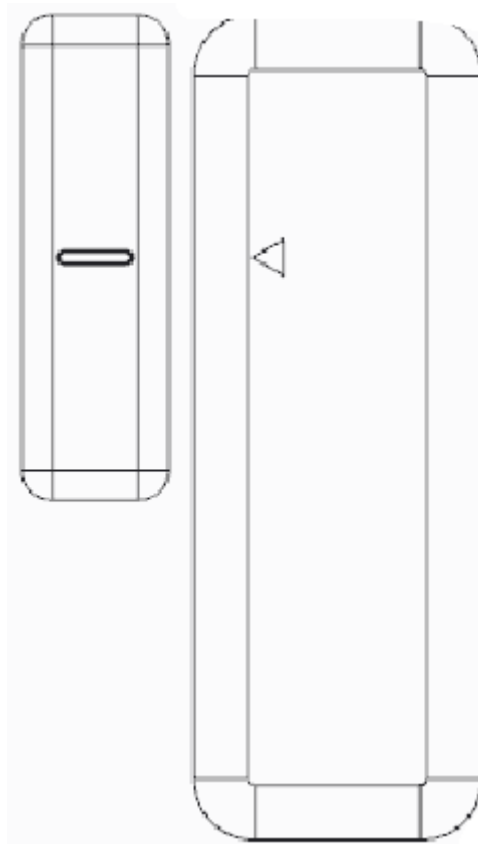# SCT-230/STH-230 User's Manual

Wireless Environment sensor
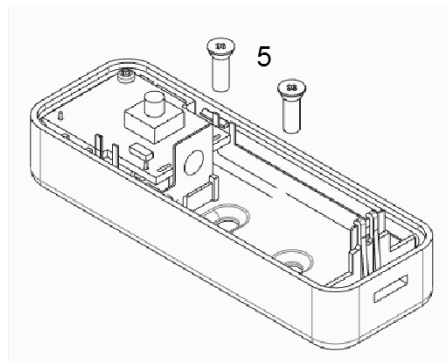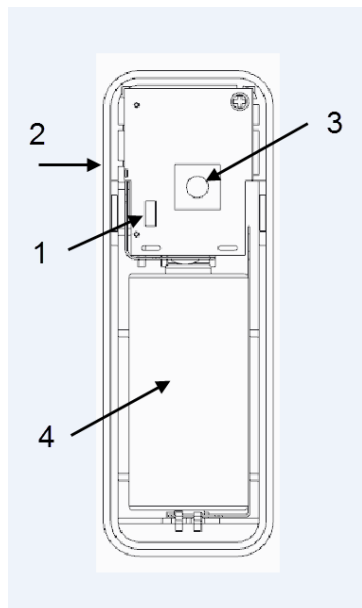
Contents

一、Product Overview

1. Product Name：Wireless Contact Sensor
2. Model：SCT-230
3. Power Supply：CR123A Battery (3V) x 1
4. Dimensions (mm) and Accessories：Detect body, magnets, batteries, manual
   82(L)mm x 25.5(W)mm x 17.5(H) mm

23.5mm

67.5mm
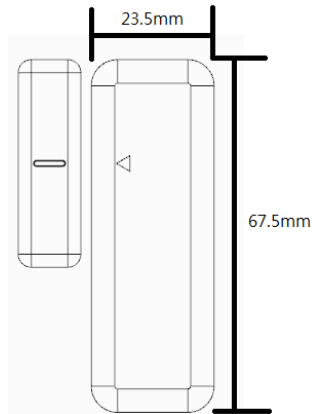
1.	LED window
2.	Reed switch position
3.	Setting key (SET)
4.	CR123A Battery
5.	Screws

二、Product Features

1. The wireless signal magnetic reed switch or the temperature and humidity of the transfer to the host、Panel Coordinator or Route, we can see that the doors and windows open and close or the temperature and humidity the current state, to prevent thieves invasive

2. **Use CR123A Battery, battery power is insufficient to inform the host will automatically operate a very low power; the battery can be used for more than one year**

3. **Easy link, when install at the first time to press the set button on the side of product joining with Gateway、Panel Coordinator or Route**

三、Installation operation

1. Placed batteries in the battery holder, as shown below. (Note: In accordance with the polarity of the battery icon)
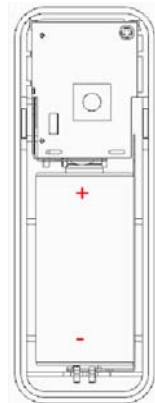
SCT-230/STH-230 on both sides to suppress uprooted open into the battery is completed

2. Connection: (EZ-MODE)
    To register the first host device ready－Press Gateway (host) or short press Router (router) behind the SET button，Then press the SET button on the rear of the machine。At this point the host device and this opportunity within about 20 seconds while flashing red light；When the connection (join) success，The machine's LED will start blinking red light 20 seconds of micro, At this point if it can be paired (Binding) devices to join or press the SET button. Would try pairing， If the pairing is successful then stop lights， If the pairing fails, then goes off after 20 seconds。

3. If the connection fails，The two parties in 15 seconds the device will look after the long red flash。

4. Fixed base (restricted flat screw) and the magnet holder，Installed on windows and doors to detect，Before being started. The following figure.
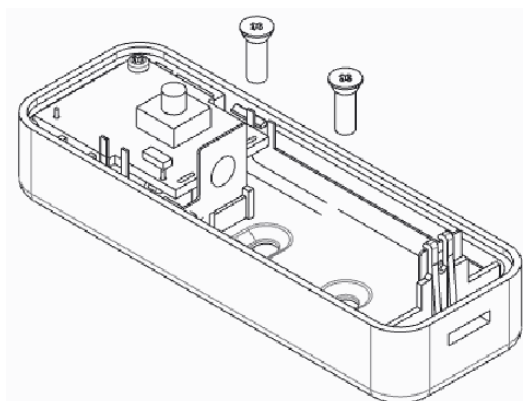
Fixed base (restricted flat screw)

5.

Lift connection：

Press quickly the rear of the machine SET key twice (Double Key), this time flashing red light, inherent in 5 seconds behind the machine even by SET key twice, this opportunity about three seconds after the long flashed red, that means lifting connection successful.

6.

Wireless signal strength test (RSSI, Received Signal Strength Indication)：
Press quickly the rear of the machine SET key twice (Double Key), this time flashing red light, inherent in 5 seconds behind the machine by double-clicking the SET button a second, this time in front of a different three kinds of LED light flashes to indicate how fast the wireless signal strength:

(1) Signal Good: Fast flashing red light 15 seconds.
(2) Weak signals: Slow flashing red light 15 seconds.
(3) No Signal: red light three seconds, off one second.

7. Anti-removal function: When the unit and system connection, then closed his cover, 5 seconds after the flash two times, that is to start anti-removal function. When the cover is opened that will send a message notification (flash 3 times)

四、Precautions

1. SCT-230/STH-230 front top left there is an arrow mark, to be aligned with the center line of the magnet cover (pictured), when two or more intervals than 10mm, it will send a radio warning.

2. Recommended that the wall-mounted base, with screw lock screw hole locations or gum paste, fixed to a stationary part of the door or window frame, magnet fixed to the door or window frame movable parts. As shown below
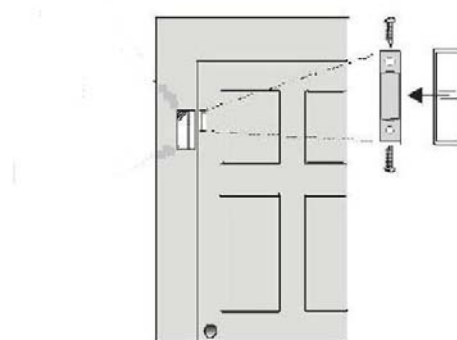
Proposed installation location

Please note that the machine being installed vertically, horizontally mounted upside down or avoid, avoid anti-removal operation does not function properly when installed, and cause excessive consumption phenomenon.

五、Troubleshooting

1. Abnormal conditions: SCT-230/STH-230 LED flashes the number of exceptions, do not recognize the connection status. Treatment:
   a. Ssure the battery is in good condition, the polarity is correct.
   b. Restore the factory default reset the connection.
   c. Handle invalid if the above situation, please contact your dealer.
2. Abnormal conditions: Unable to connect with the wireless host. Treatment:
   The first to test the wireless signal strength RSSI way, and then confirm the distance between the host SCT-230/STH-230, and is within the effective range of 50 meters straight unsheltered. If the shelter will shorten the effective distance, you can shorten the distance between the two, or adding repeaters, re-test for any improvement.

六、Product Specifications

UIS/ Wireless Environment sensor	
Model No.	**SCT-230/STH-230**
Electrical Specification	
Transmit Frequency	2.4GHz ISM band, IEEE802.15.4: 2405 ~ 2480MHz
Operation Range	Up to 50 meters (LOS)
Operating Voltage	3.0 VDC
Battery Type	CR123A Battery (3V) x 1
Battery Life	Up to 2 year
LED Indicator	Red
Environmental Requirement	
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 55°C
Humidity	90% RH Max., Non-Condensing
Mechanical Specification	
Dimension (WxHxD, mm)	15.7x25.5x82
Weight (w/o Battery)	14g

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.

Notice : The changes or modifications not expressly approved by the party responsible
for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.