



Entry Sensor

V1.0

Introduction

Entry Sensor is constructed on the basis of ZigBee HA1.2 standard.

The main body and subsidiary parts are installed respectively at the edge of the doors or windows.

When the doors or window get illegally opened, wireless alarm signals will be sent to your smart phone immediately.

- Low cost Zigbee HA compliant solution
- Periodic zone status reporting
- Periodic battery status and low battery reporting
- Small form factor
- Magnet Sensor Switch type
- Whole home coverage

This product requires the Ethernet Gateway to connect to the Internet.

Specifications

Sensing Range	Magnetic distance : 35mm/typ
Power source	Coin Cell Battery CR2032
Battery Lifetime	Approx. 2 years at 25°C (77°F)
Operating Temperature	-10 ~ 50 [°C]
Storage Temperature	-10°C ~ 60°C
Relative Humidity	up to 85% non-condensing
RF Performance Requirements	
- Protocols : Zigbee Green Power	
: IEEE802.15.4 CH11 to CH26	

Pairing Mode

The entry sensor can be paired using either the mobile app or Ethernet gateway.

Pairing A (APP)

1. Start sensor registration wizard in the mobile app and follow steps.
Run application→Menu icon ()→Devices→Add Devices→Add motion sensor(w/o QR code)
2. Remove battery tab on the motion sensor .The sensor will attempt to pair automatically. Note : The green LED blinks while the sensor is on pairing mode (max. 30seconds.)
3. The application should advance when the sensor is registered.

You can change the device name after it is application to see if the sensor is registered.

Pairing B (Gateway)

1. Press pairing button on gateway.
2. Gateway will trigger pairing mode automatically

Orange LED blinks while the gateway is on pairing mode.

3. Remove the battery tab on the entry sensor to put it into pairing mode.

Note : Green LED blinks while the sensor is on pairing mode (max. 30seconds.)

Pairing failure :

The pairing is failed if the LEDs on device still blinks over 30 seconds or entry sensor is not registered on mobile application within 30 seconds.

Please retry pairing with following instruction if it didn't work the first time.

1,2 Same as step 1 & 2 on pairing A, B

3. If battery tab is already removed, press pairing button on motion sensor to put it into pairing mode.(Green LED blinks while the sensor is on pairing mode)

4.Once Green LED is turned off, please check application to see if the sensor is registered.

Product Description



Dimension

(Sensor Module) 51x30x13mm

(Magnetic Module) 45x13x13mm



Operation flow

~ If the sensor application is commissioned before. Commissioning will be restored automatically,

~otherwise : Powering up or Press the Pair button to start commissioning, and the Green LED will be blink with 1s period

~ To start decommissioning, press and hold the Pair button for 3s, and decommissioning will be started and the Green LED will be on for 2s

~ If the entry sensor is commissioned:

On every 15 minutes, the sensor status will be reported to the target regularly

On every 6 hours, battery report will be sent to the target

The Zone report will be send to the gateway when the door is opened/closed or the tamper switch is opened/closed. When the battery voltage is low than 2.4V, the sensor send the low battery status to the gateway.

FCC Compliance Statement

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.

Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

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.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.