MANUAL

EVOLVEO

MODEL	VERSION / DATE

Wireless 360° ceiling PIR motion sensor for Sonix

II. / 9. 5. 2024
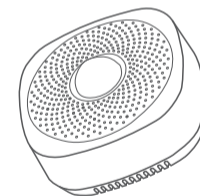
`EN`

Thank you for choosing us, Please carefully read this user manual before operation and installation.

Cautions

⚠ Please read user manual carefully before using this product.

🔧 Non-professional staff please do not dismantle the product by yourself.

♻ Please start the product in environment which is marked in this user manual, in case of damage.
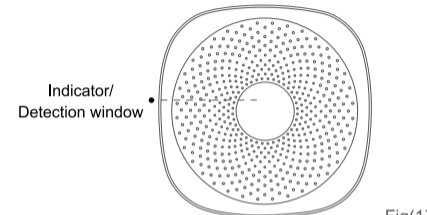

I. Brief Description

This product is a wireless ceiling PIR motion sensor (hereby short name as sensor), it is able to detect infrared ray from human body, and make accurate analysis according to the environment, precisely and stably alarm to the motion of human body. This product can work together with our alarm hosts, suitable for family, factory, shopping mall, warehouse, office etc.
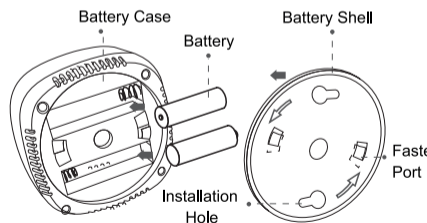
Features

★ Motion detection, infrared sensor.
★ Wireless communication, real-time report.
★ Battery inspection, low power alert.
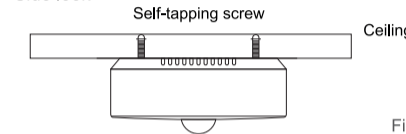★ Quick installation, easy to use.

II. Product Understanding

Indicator/ Detection window

Fig(1)

Battery Case
Battery
Battery Shell
Installation Hole
Fasten Port

Fig(2)

III. Product installation

● **Installation**

Side look

Self-tapping screw
Ceiling

Fig(3)

Look up

Set screws
Probe back
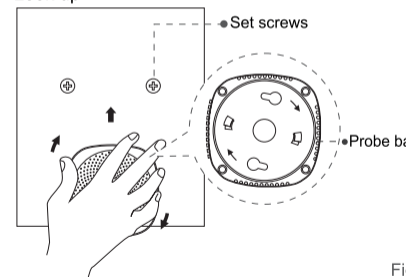
Fig(4)

● **Caution**

Away from heat;

Away from the straight sunshine;
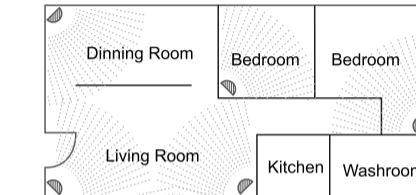
Donnot install outdoor;

Donnot install near the waving curtain.

Fig(5)

● **Suggestion:** Install it to places where intruder may break.

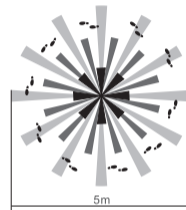**Note:** The detection area is a 5m/360° sector.

Dinning Room
Bedroom
Bedroom
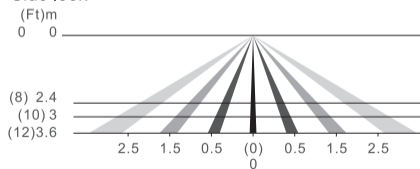Living Room
Kitchen
Washroom

Fig(6)

IV. Test: (Suggest to test it per 3 months)

Please test by yourself after installation to make sure it covers all areas you want to protect.
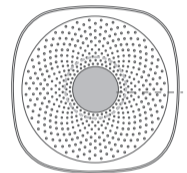
Look Up

Fig(7)

Side look

Fig(8)

V. Coding

● This product cannot work alone, it should pair with alarm host to use.

● Pay attention to indicator

Fig(9)

VI. Function Descriptions

1. Mode setting: (Corresponding the PCB)
Note: Corresponding to the S1/S2 switch on PCB board.
Default Mode: N

S1	S2	MODE	Function Descriptions
0	0	/	No
1	1	T	Testing Mode(T): Every triggering is effective
0	1	60S(N)	Normal Mode(N): After one effective triggering, in 1 minute other triggering will no use. The 2nd triggering only works after 1 minute
1	0	60S(S)	Smart Mode(S): After one effective triggering, if trigger it again in 1 minute, the detection time will be cleared, and restart the time, only after 1 minute the triggering will be effective

2. Heartbeat function: This PIR detectors will report status to center every 4 hours.
3. Battery in low voltage: When the built-in battery voltage is lower than 2.55V, the sensor will send a low-voltage alarm signal to alarm host automatically (only one time).
4. LED status instruction:
Normal: When trigger, the sensor will send wireless signal and the indicator flash one time.

Battery in low voltage: When trigger, the sensor will send wireless signal and the indicator flash twice.

VII. Parameters

1. Power supply: DC3V, 2 pcs AA battery
2. Standby current: ≤20uA
3. Alarm current: ≤50mA
4. Operating humidity: ≤50mA
5. Detection distance/angle: 5m/360°
6. Encoding modes: 2262
7. Wireless frequency: ASK 433.92MHz/868.35MHz can be customized
8. Wireless emission distance: ≤70M
9. Operation temperature: -10℃ ~ +35℃ (5% - 75 & RH)
10. Dimension: 82x82x42mm

VIII. Packing List

Motion detector × 1
Self-tapping screw × 2
Manual   × 1

DECLARATION OF CONFORMITY

Hereby, the company Abacus Electric, s.r.o. declares that the EVOLVEO wireless 360° ceiling PIR motion sensor for Sonix is in compliance with the requirements of the standards and regulations, relevant for the given type of device.

Find the complete text of Declaration of Conformity at http://ftp.evolveo.com/ce/