

IX32_BLE Bluetooth PIR Sensor

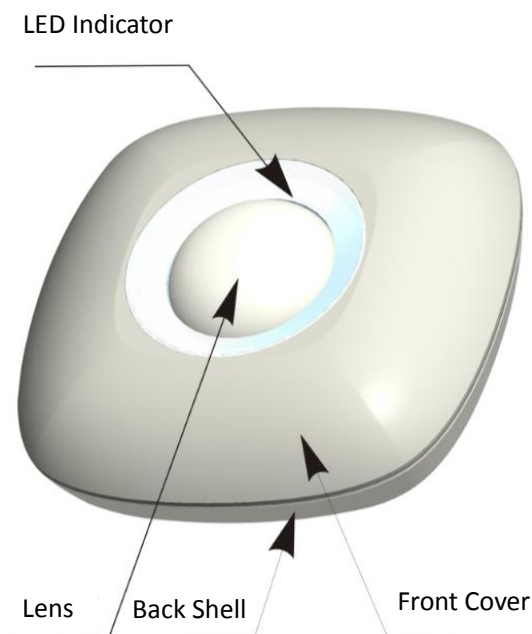
Specification

Version	Modification	Person	Date
1.0	Original	Cheng Xiaoting	2016.7

I. Introduction

IX32_BLE is a wireless digital microprocessor controlled intrusion sensor adopting Energy Accumulation Management & Dynamic Random Time Division Technology. By use of high precision cylindrical Fresnel lens, its energy receiving efficiency, sensitivity & false alarm are largely improved. It has ultrahigh detection & false alarm prevention capacity, and with advanced patented software technology, it can accurately distinguish a real intruder and other interference factors. The sensor has optional pulse count and better false alarm prevention performance than other ordinary PIR sensors, completely suitable for variety of indoor environments. It uses special power saving mode and built-in high storage battery, with 2-3 years of battery working life.

II. Structure & Parts

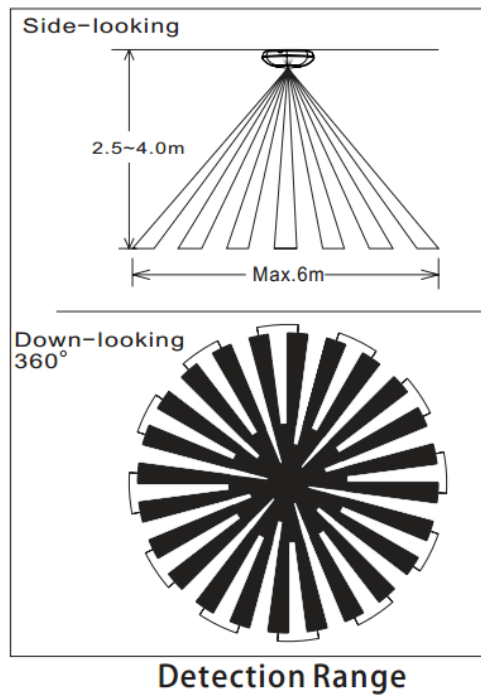


III. Features

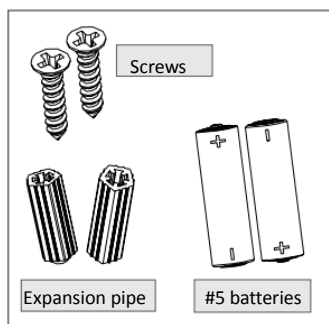
- Special Fresnel lens with patented technology, built-in far infrared wave with above 95% transmittance rate
- Adopt original imported Heimann sensor from Germany, with high sensitivity & low false alarm
- Real anti-visible light technology
- With sealed induction cavity design, prevent false alarm caused by thermal current interference
- Configurable detection sensitivity, suitable for variety of different detection environments
- With fuzzy logic algorithm & fuzzy recognition technology, can be pet-immune
- Ultra-low power consumption, 2-3 years of battery working life

IV. Parameters

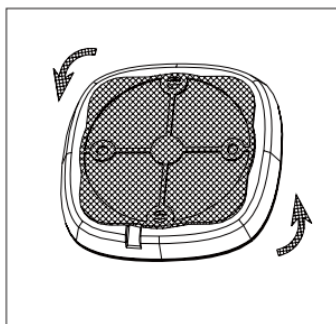
Name	Parameter
Model No.	IX32_BLE
Communication Protocol	Bluetooth V4.1
Baud Rate	9600
Output Power	- 20 dBm to 4 dBm
Receiving Sensitivity	- 93 dBm
Operating Voltage	3VDC (2PCS LR6 1.5V alkaline battery)
Operating Current	Static current \leq 16uA; transmit current \leq 20mA
Detection Distance	6m @ 25°C
Detection Area	See the diagram below
Alarm Indicator	LED status indicator
Output Signal Type	Alarm report, tamper report, battery level status, heartbeat report
Working Humidity & Temperature	-10°C~50°C; \leq 95%RH no condensation
Infrared Area	12+12+6 (typical)
Max Coverage	Diameter 6m
Installation Height	2.5~4m (8.2~13.1 feet)
Dimension	100*100*33.5mm (L*W*H)



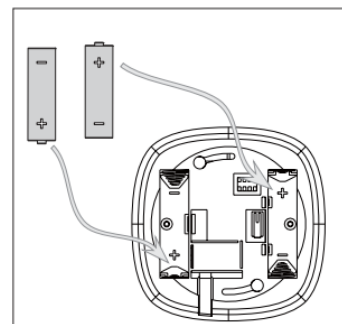
V. Installation



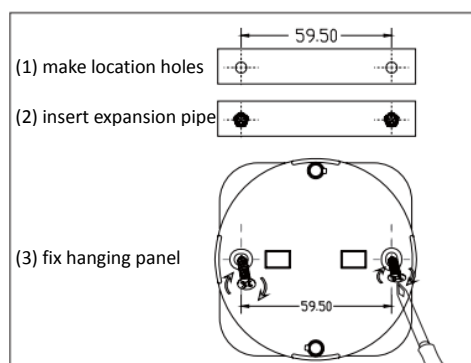
1. Take out screws, expansion pipes and batteries



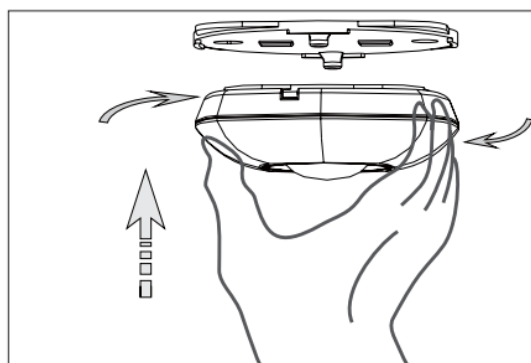
2. Turn over the sensor, anti-clockwisely rotate and remove the hanging panel



3. Insert 2PCS batteries with right polarity



4. Make location holes as above drawing, then knock expansion pipes into these holes; insert screws with a screwdriver, fix the hanging panel on the wall.



5. Align the protruding parts of hanging panel with the sunken parts of sensor, anti-clockwisely rotate the sensor, it will be successfully fixed on the wall