

PIR SENSOR

Overview

NETOP PIR sensor is a long range wireless sensor which uses an infrared sensing technology to accurately detect movements made by people within 1 m range. And it sends data when both the movement starts and finishes separately. This sensor is fully compatible with LPWAN technology by using NB-IoT(Narrowband-IoT). The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Excellent Extended Range in Buildings and Underground
- Easy deployment utilizing cellular system
- Micro SIM(default) or Chip SIM Card(depend on request)
- Ultra Low Power Consumption
- Certifications: CE, RoHS



Communication Specs

- The sensor uses LPWAN technology; Narrow Band IoT (NB-IoT) for connectivity
- Supported bands including B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B26/ B28
- Internet Protocol Feature: Support IPv4/TCP/UDP
- Full duplex communication
- Extended Coverage: 10-15km with 164 dB maximum coupling loss (MCL)
- Antenna Types: Internal(default) or External(depend on request) Antenna

Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

Data Security

- AES-128

Power Supply

- AA Battery 3.6 V Li-SOCI2-Saft LS 14500 (Standard 1 piece)

Indicators

- RGB Status LED (on board)

Sensor Specifications

Measurement Range : 1 m
Data Transmission Period : Every Detection

Certifications & Reliability

- CE
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

Applications

- Intelligent appliance
- Alarms, Security system
- Motion detector
- Area access monitoring
- Detect when people enter a room