

Innovative PIR sensor



MerryIoT Motion Detector

Best-in-class integrated 4-in-1 motion detector

Motion, Temperature, Humidity, Vibration/Tamper

Signal coverage test button

{ } Device movement/
vibration/tamper
notification

⊖ Desk and room
occupancy supported

🔋 Years of battery life time

Up to 23ft./7m
detection distance

Thousands ft.
long range coverage
between the hub and
the sensor



Description

MerryIoT motion detector have you covered! An easy step to a safer home.

Monitor front or back doors, driveways, walkways, swimming pools, sheds, garages, gates, and applies to all your properties.

It provides an added level of security and safety to your property and loved ones and alarm you at the time of need.

You can now define your own comfortable and safe environment using an easily managing app and the MerryIoT Motion Detector!

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Radio / Wireless

Sensor Type: Passive Infrared

Frequency: EU 868 MHz; US 902~928 MHz

Antenna Gain: -2dBi Peak

RF Sensitivity: -135dBm

Protocol: LoRaWAN1.0.3

Power Supply

Battery Type: 1.5 V AA Alkaline x 2 pcs, 5400 mAh
(75Ω Cont. discharge)

Expected Battery Lifetime: About 36 months
(Note: Service life varies to the operating conditions.)

Average Current: 135mA max / 100uA min

Operating Conditions

Temperature: 0 to 50°C

Indoor use (IP40 equivalent)

Sensors

Dual Passive Infrared Detector with Fresnel Lens

- Detection angle: 123°H x 93°V
- Detection range: 7 meters

Temperature Sensor

- Measurement range: -40°C -125°C
- Accuracy: ±(1°C)

Humidity Sensor

- Measurement range: 0 %RH - 100 %RH
- Accuracy: ±5 %

Three-Axis Linear Accelerometer

Mechanical Specifications

Dimensions: 70 mm x 25 mm x 70 mm

Weight: 120 g

Regulatory Certification

Type Approval: CE/FCC/IC