

MerryIoT Motion Detection



The **MerryIoT Motion Detection** utilized with LoRaWAN 1.0.3 connectivity, allows to sense and measure movement. Applications such as homes or buildings security, facility management systems, occupancy of the desks, conference rooms, bathrooms, etc.

FEATURES

- Compliance to LoRaWAN1.0.3
- Dual Passive Infrared detectors and Fresnel Lens
- IP40 equivalent
- Battery-powered (2 standard AA alkaline batteries)
- Built-in alarm buzzer with sound pressure level 80 dB(min)
- Be notified of possible abnormal movement
- Support both desk and room occupancy
- Power on-and-play installation
- Support coverage test by pressing test button

Specification

Model Name	MS10
Frequency	EU 868 MHz US 902~928 MHz
Antenna Gain	-2dBi Peak
RF Sensitivity	-135dBm
Battery Type	1.5 V AA Alkaline x 2 pcs, 5400 mAh (75ΩCont. discharge)
Battery Lifetime*	About 3 years. *Note: Battery life is mainly determined by the reporting frequency. Other factors include moisture and high temperature.
Average Current	135 mA maximum / 100 uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	70 mm x 25 mm x 70 mm
Weight	91 g
Sensor	<ul style="list-style-type: none"> 🟢 Dual Passive Infrared detector with Fresnel Lens <ul style="list-style-type: none"> 🟢 Detection angle: 123°H x 93°V 🟢 Detection range: 7 meters 🟢 Temperature sensor: <ul style="list-style-type: none"> 🟢 Accuracy: ± (1°C) 🟢 Humidity sensor: <ul style="list-style-type: none"> 🟢 Accuracy: ± 5 % 🟢 Three-axis linear accelerometer
Type Approval	CE/FCC/IC approved.

SKU Detail

SKU	Country	Frequency Band (MHz)
MS10-915	USA	US915 (902~928)
MS10-868	Europe	EU868 (862~870)