

LoRaWAN Door Sensor

IoT Sensors



Door / window sensor designed to monitor in real-time open/close status and send alarms.

A minimal magnet is placed inside the portable part, while the sensor is positioned in the fixed part to be attached on door/window or other objects. Transmitting over LoRa technology, the device can work up to almost 2 years without a battery replacement.

Features:

- Support mounting tamper detection
- LED for network status, open/close status, tamper and low battery indication
- Ultra-wide-distance transmission up to line of sight of 15 km

Features

Wireless Transmission

Technology	LoRaWAN®
Antenna	Internal Antenna
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

Physical Characteristics

Power Supply	1 × 1200 mAh ER14250 Li-SOCl ₂ Battery
Battery Life* (1080 min interval + 30 triggers per day, 25°C)	Around 6.8 Years (SF7, EU868) Around 4.2 Years (SF10, EU868) Around 6.8 Years (SF7, US915) Around 3.5 Years (SF10, US915)
Operating Temperature	-20°C to +60°C
Relative Humidity	≤90% (non-condensing)
Ingress Protection	IP20
Color	White

LoRaWAN Door Sensor

IoT Sensors

Physical Characteristics	
Weight	Sensor: 27.9g (Battery Included) Magnet: 4.1g
Dimension	Sensor: 50.5 × 31 × 18.5 mm (1.99 × 1.22 × 0.73 in) Magnet: 30 × 13.5 × 10 mm (1.18 × 0.53 × 0.39 in)
Installation	On the flat surfaces with screws or 3M tapes
Measurement	
Detection Distance	10-15 mm
Others	
Button	1 × Reset Button (Internal), 1 × Tampering Button
LED Indicator	1 × Status/Alarm Indicator
Approvals	
Regulatory	CE, FCC, Telec, LoRaWAN® Certified, ISED
Environmental	RoHS

Dimensions (mm)

