



BATTERY POWERED WIRELESS IoT SOLUTIONS MONITOR PREMISES AND ASSETS 24/7

LRS20600 LoRaWAN OPEN/CLOSE/PULSE SENSOR

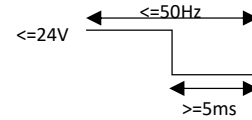


Product Features

- Provides a simple and cost-effective solution for monitoring door security, motion detection or logic ("0" or "1") change, pulse count interface.
- Detect Open/Close, report status change.
- Detect pulses, report count value.
- More than 10 years of battery life.
- Easy installation without any complex wiring and pricey setup cost.
- Application: Commercial Buildings, Hotel, Hospital, Factory

Performance Characteristics

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|------------------------------------|--|
| Power | 1 x 3.6V C Size Lithium Battery |
| Standby Current | < 25 uA @3.6V |
| Open/Close (Dry Contact) Interface | Logic Input "0": Open Logic Input "1": Close to GND |
| Pulse Count Interface | Count: 0 – 999,999,999 roll over to 0, max. count is configurable. Max Frequency: 50Hz. Min Pulsewidth: 5ms. |
| Data Upload Interval | Configurable (Default: 60 mins) |
| On-device Alert Detection | Yes, status change |
| Battery Life | Up to more than 10 years at 60 mins data upload interval Up to 8 years at 10 mins data upload interval |



Wireless Characteristics

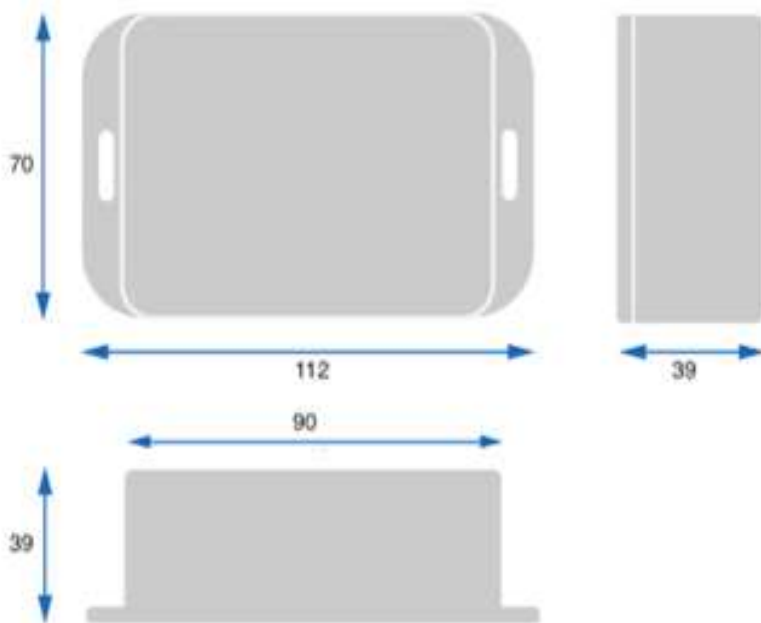
| | |
|-----------------------|---|
| Wireless Connectivity | LoRaWAN® 1.0.3 EU863-870, US902-928, AU915-928, AS923 |
| Transmit Power | EU868, AS923: +16dBm US915, AU915: +20dBm |
| Sensitivity | Max. -137dBm |
| Data Transfer Rate | 0.3kbps - 50 kbps |
| LoRaWAN Features | ABP/OTAA, ADR, Class A End-device |
| Antenna Type | Built-in Antenna |
| Security | AES-CTR (LoRaWAN End-to-End Encryption) AES-CMAC (Data Integrity Protection) |



Physical Characteristics

| | |
|-----------------------|-----------------------------|
| Dimensions | L 112mm x W 70 mm x H 39 mm |
| Weight | 115g |
| Operating Temperature | -20 to 70°C |
| Storage Temperature | -20 to 80°C |
| Storage Humidity | < 95% RH |
| Ingress Protection | IP67 |
| Warranty Period | 1 Year |

Mechanical Dimensions



Ordering Information

| | |
|---|--------------------|
| SENSO8 LoRaWAN Dry Contact Sensor | LRS20600-0000-000x |
| SENSO8 LoRaWAN Open/Close Sensor (with a pair of door magnetic sensor) | LRS20600-DRMT-000x |

x = frequency band: 0 - AS923, 1 - EU868, 2 - AU915, 3 - US915