

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

LRS20600 LoRaWAN Open/Close/Pulse Sensor

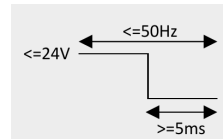


Product Features

- Provides a simple and cost-effective solution for monitoring door security, motion detection or logic ("0" or "1") change, pulse count interface.
- Detects Open/Close, reports status change.
- Detects pulses, reports 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

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



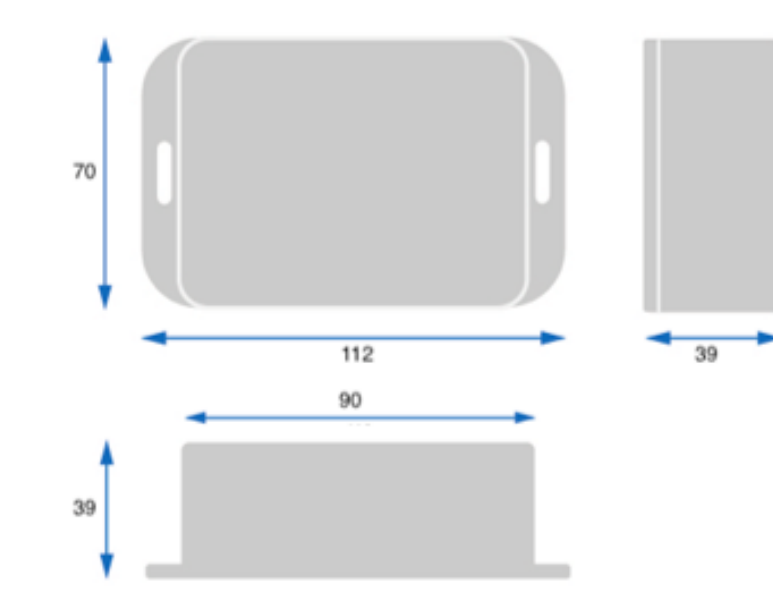
Wireless Characteristics

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 sensors)	LRS20600-DRMT-000x

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