

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

SEN21600 Series NB-IoT Open/Close/Pulse and Wet Contact Sensor

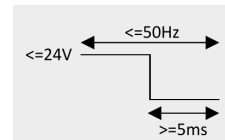


Product Features

- 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.
- Supports LTE Cat NB2.
- Up to 5 years of battery life.
- Easy installation without any complex wiring and pricey setup cost.
- Supports open API.
- Application: Commercial Buildings, Hotel, Hospital, Factory.

Performance Characteristics

Power	1 x 3.6V C Size Lithium Battery
Standby Current	< 30 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.
Wet Contact Interface	Logic Input "0": 0V - 0.8V Logic Input "1": 4.5V - 30V
Data Upload Interval	Configurable (Default: 1 hour)
On-device Alert Detection	Yes, status change
Battery Life	Up to 5 years



Battery life conditions: upload data once per hour.

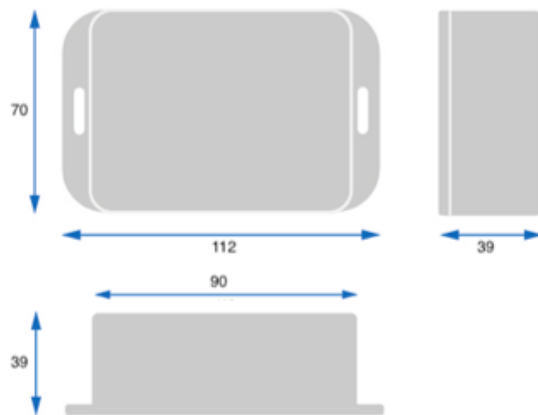
Wireless Characteristics

Wireless Connectivity	LTE Cat NB2 (NB-IoT)
NB-IoT Protocol	3GPP Release 14
Operating Band	3, 8, 20
Uplink Rate	16.7 kbps (Single Tone), 62.5 kbps (Multi-Tone)
Downlink Rate	25.5 kbps (Single Tone), 25.5 kbps (Multi-Tone)
Transmit Power	23 dBm $\pm$ 2 dB
Sensitivity	-116 dBm
Antenna Type	Built-in Antenna (External Antenna - Optional)

Physical Characteristics

Dimensions	L 112mm x W 70 mm x H 39 mm
Weight	116g
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 NB-IoT Dry Contact Sensor	SEN21600-0000-0000
SENSO8 NB-IoT Wet Contact Sensor	SEN21600-WTCT-0000