

DRY CONTACT V3.0 SENSOR

Overview

NETOP Dry Contact sensor is a long range wireless sensor which can be used to detect contact between two wired contact points. This sensor can allow to use upto 4 Dry Contact inputs(such as open-close sensors and switches) with it. So the device provides LPWAN connectivity to your Dry contact outputs and make them connected device(s) as a real plug&play. It sends message which give information about every dry contact inputs' status when any of them is changed. This sensor is fully compatible with LoRaWAN technology. The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

Key Features

- Real plug & play
- Easy to mount & install
- Compatible with LoRaWAN™ specification
- Maintenance free – install & forget
- Secure communication (AES-128)
- Ultra Low Power Consumption
- Certifications: LoRaWAN™, CE
- +10 years of battery life (*30 minutes data transmit period)



Communication Specs

- Compatible with LoRaWAN Specification 1.0.3
- The sensor uses Low Power Wide Area Network-LPWAN technology (LoRa) for connectivity
- Compliant with Low and High Frequencies (AS923, AU915, CN470, CN779, EU433, EU868, IN865, KR920, RU864, US915 MHz ISM bands)
- Supports High power and Low power LoRa RF applications:
 - Up to +22 dBm at US915 and AU915,
 - Up to +14 dBm elsewhere
- Ultra low power consumption. Excellent long-term stability.
- 170 dB maximum link budget
- Radio Performance : High RX sensitivity down to -148 dBm
- Full ADR, OTAA and ABP support
- Long range wireless data transmission

Mechanics

- Enclosure: IP65/IP67
- Dimensions: 65 x 55 x 27 mm (for IP65)
- Operating temperature: -40°C to +85°C

Data Security

- AES-128

Power Supply

- AA Battery 3.6 V Li-SOCI2-Saft LS 14500

Indicators

- Status LED (on board)

Sensor Specifications

Input Ports	:	4
Input Type	:	Open Drain
Data Transmission Period	:	In every change

Certifications & Reliability

- CE
- LoRaWAN™ Certified

Applications

- Tamper Switches
- Barn door access monitoring
- Freezer / cooler door access
- Forklift seat switches
- Any related Dry contact application