OEM SENSORS.COM™

Wireless Dry Contact Sensor

Technical Overview

General Description

The OEM RF Wireless Dry Contact Sensor can be used to detect contact between two wired contact points, an external mechanical switch or a contact plate.

Features

- 3 ft. leaded wires.
- Can integrate with switches.

Principle of Operation

The OEM Wireless Dry Contact Sensor detects when their is contact between the two wired end points. It can easily be integrated into existing switches or contact plates. When the sensor detects contact between the two end points, it will immediately turn on the RF radio and transmit the data to the wireless gateway and sensor monitoring software, allowing the user to immediately receive an SMS text or email alert. The sensor can be configured to detect both closed and open loops alerting if contact is made or broken.

OEM Sensor Core Specifications

- Power: 3.0 V coin cell battery
- Communication: RF 900, 868 and 433 MHz
- Antenna: 4” wire antenna
- Operating Temperature: -40° to 85°C (-40° to 185°F)
- Device Range: 250 - 300 ft. non-line-of-sight*
- Only 1 inch by 1 inch

* Actual range may vary depending on environment.

Applications

- Barn door monitoring.
- Freezer / cooler door monitoring.
- Forklift seat switches.
- Button or switch integration.
- Production line tracking.

Specifications	
Supply Voltage	2.0 - 3.6 VDC *
Current Consumption	0.7 µA (sleep mode) 2 mA (radio idle/off mode) 2 mA (measurement mode) 25 mA (radio RX mode) 35 mA (radio TX mode)
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F) **
Optimal Battery Temperature Range (Coin Cell)	+10°C to +60°C (+50°F to +140°F)
Lead Wire Length	3 ft. (36 in.)
Detection Wires	High Impedance

* Hardware can not withstand negative voltage. Please take care when connecting a power device.
** At temperatures above 100°C, it is possible to lose programmed memory.

For more product information, to get a quote, or to place an order, please contact our sales department at 801-561-5555. Visit us on the web at www.oemsensors.com.

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