



## Wireless Button Sensor

### Technical Overview

#### General Description

The OEM RF Wireless Button Sensor detects when the button has been pressed, sending notice to the sensor monitoring software.

#### Features

- Detects when button is pressed.

#### Principle of Operation

The OEM Wireless Button Sensor sends a signal to the sensor monitoring software when the button is pressed triggering a notification via SMS text or email and tracking the data in the system. Sensor data can be reviewed and exported as a data sheet or graph within the software. Notifications can be set up to alert the user immediately when movement is detected with the ability to only notify within time of day parameters.

#### 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

- Hotel / Motel front desk call button.
- Restroom service / clean-up request button.
- Service request button.

### 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)
Electronics Operating Temperature Range	-40°C to +85°C ( -40°F to +185°F ) **
Available Operating Frequencies	900 MHz (25 Channels), 868 MHz (5 Channels) and 433 MHz (15 Channels)
Button Type	Momentary
Number of Operations	10,000,000
Certifications	 900 MHz product; FCC ID: ZTL- RFSC1 and IC: 9794A-RFSC1. 868 and 433 MHz product tested and found to comply with: CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05).

\* 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](http://www.oemsensors.com).

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