

WIRELESS DRY CONTACT SENSOR WITH INTERNAL ANTENNA



INFORMATION

Format	Coin Cell
Frequency	868 MHz

Xemote ultra low-power wireless dry contact sensors can be used to detect contact between two wired contact points. This sensor can be used with an external mechanical switch or a contact plate to alert the user via SMS text and/or email when the contacts touch or a switch is triggered.

HIGHLIGHTS

- Up to 128 sensors connected to a single gateway
- Ultra-low power
- ISM band wireless
- Critical Data Recovery (CDR) feature, 21 days at 10 min posting intervals
- Non-intrusive installation

APPLICATIONS

- Button switches (user initiated notification)
- Freezer / cooler door access
- Freezer / cooler doors (to determine if they are not closed all the way)
- Pump motor status (to determine if motors are running)
- Security doors
- Forklift seat switches

SENSOR SPECIFICATIONS

Coin Cell

Battery Type	CR2450
Classification	Lithium Coin
Typical Capacity	620mAh
Dimensions	24.5mm x 5.0mm
Max Operating Temperature	-20 °C to +60 °C
Optimal Battery Operating Temperature	+10 °C to +50 °C
Supply Voltage	2.0 - 3.6 V
Battery Life	At 10 minute heartbeat setting, coin cell battery will typically last ~ 4 years (battery life is determined by sensor reporting frequency and other variables)

Wireless

Frequency	868 MHz Operating Frequency
Range	Up to 150 m non-line-of-sight device range (actual range may vary depending on environment). Longer ranges available with GSM Gateway 868Mhz outdoor Omni antenna 6dB gain. (Typically, 300 m plus)
Security	Encrypted
Certifications	ETSI EN 300 220-2 V2.4.1 (2012-05)
Antenna	Internal

I/O

Bidirectional IO Ports	2x Internal Input/output
Logic Level	3.3V
Drive Current	20mA Max

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Mechanical

Dimensions	50mm x 50mm x 20mm 65mm x 50mm x 20mm – Including flanges
Weight	0.035 kg
Material	ABS Plastic
Mounting Options	Wall mount flanges, button magnet, Velcro strips, double sided tape
IP Rating	IP54 (protection against the access of dust and splashing water)

Environmental

Operating Temperature	-20 °C to +60 °C
Storage Temperature	-20 °C to +45 °C (Incl. Battery)

Warranty Terms

Period	12 months
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ORDERING INFORMATION

Part Number	Details	Configuration
XEMT4-20070	Wireless coin cell Dry Contact sensor	Supplied with 1x CR2450 coin cell battery and 1m length cable. Longer cable lengths available on request.

*Product images are for illustrative purposes only and may differ from the actual product.
Specifications are subject to change without notice.*

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