

WIRELESS BUTTON SENSOR WITH EXTERNAL ANTENNA



INFORMATION

Format	Coin Cell
Frequency	868 MHz

Xemote ultra low-power wireless button sensors can be used to send a notification when certain actions are required or when the time of a button push must be recorded e.g. guard patrolling.

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

- Order paper or printer cartridges at a corporate office printing station
- Order refreshments in a meeting room in an office building
- Order new stock in a retail shop such as the dairy or milk section
- Panic button to summon assistance
- Provide service feedback and service points such as a retail till point
- Medical emergency located next to a factory first aid box

SENSOR SPECIFICATIONS

Button

Type	Single Pole, Single Throw (SPST)
Switch Function	Off-Momentary (Normally open)

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)
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Wireless

Frequency	868 MHz Operating Frequency
Range	Up to 200 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	Right angle or Straight angle on request

Mechanical

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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
Environmental	
Operating Temperature	-20 °C to +60 °C
Storage Temperature	-20 °C to +45 °C (Incl. Battery)
Warranty Terms	
Period	12 months

ORDERING INFORMATION

Part Number	Details	Configuration
XEMT4-20111	Wireless coin cell Button sensor	Supplied with 1x CR2450 coin cell battery with right-angle antenna Straight-angle antenna on request SPST button standard. Other button types on request.

*Product images are for illustrative purposes only and may differ from the actual product.
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