

AC SUPPLIED WIRELESS TEMPERATURE SENSOR WITH EXTERNAL ANTENNA



INFORMATION

Format	AC Powered
Frequency	868 MHz
Temperature Profile	Temperature (-35 °C to +60 °C)

Xemote wireless ultra-low temperature sensors use a digital temperature probe that provides excellent measurement accuracy. This sensor is perfect for monitoring ambient temperatures in freezers or blast freezers. It can be placed inside the freezer and is AC powered. On power outage the sensor will continue to operate for at least 8 hours.

HIGHLIGHTS

- Up to 128 sensors connected to a single gateway
- ISM band wireless
- Critical Data Recovery (CDR) feature, 8 hours
- Non-intrusive installation
- Allows high data update rates

APPLICATIONS

- Freezer and cooler temperature monitoring to prevent food spoilage
- Blast freezer temperature monitoring
- Monitoring that requires high data update rates

SENSOR SPECIFICATIONS

Temperature

Sensing Element	Digital
Max Operating Temperature	-35 °C to +60 °C
Accuracy	±0.5 °C (-10 °C to +60 °C)

Power Supply

Supply Type	AC
Supply Voltage	80-264 Vac 50/60 Hz
Supply Backup	At least 8 hours

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	SMA Right angle or Straight angle on request

I/O

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

Mechanical

Dimensions	115 mm x 64 mm x 31 mm 138 mm x 64 mm x 31 mm – Including flanges
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For more information about our products, please contact our sales department.

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Rev 1.0.1

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Weight	0.180 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)
Warranty Terms	
Period	12 months

ORDERING INFORMATION

Part Number	Details	Configuration
XEMT4-20095	Sensor, Digital Temp, SMA, VAC	Digital temperature probe protruding from sensor enclosure with right-angle antenna. Straight angle antenna on request.

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