

WiNG-THRM

Facility Monitoring

WIRELESS TRANSMITTER WITH A THERMISTOR INPUT

01

APPLICATIONS: The WiNG-THRM allows you to place a temperature sensor in an environment that may be unfriendly to a wireless transmission:

- Ductwork
- Pipes
- Wells
- Refrigerators and freezers

02

KEY FEATURES:

- Transmission range between manager and sensors:
 - Up to 100' through multiple walls
 - Up to 270' through one wall
 - Up to 600' direct line of sight
 - Add up to 1,000' direct line of sight with a WiNG-RXT range extender
- Accepts one wired 10K-2 thermistor input
- Support 250 sensors on a single manager, up to 400 sensors with range extenders

WiNG systems communicate via a proprietary wireless protocol. WiNG sensors are only compatible with RLE WiNG products.

03

WHAT SETS RLE'S WiNG-THRM APART?

- **Converts a wired thermistor input to a wireless signal.**
- **The sensor features a compact,** unobtrusive sensor design with a variety of mounting options.
- **Industry-leading battery life.** Sensor batteries last up to 12 years, communicating under normal room temperature conditions.
- **Up to 600' indoor, direct line of sight transmission range.** WiNG's expansive range supports flexible system and sensor deployment needs.
- **Packet transmission accuracy that exceeds 98%** and a polling rate of 10-20 seconds means the readings you see are accurate and relevant.
- **Available in 900MHZ and 868MHZ configurations** for domestic U.S. and international installations.

<https://parametersystems.com>

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04 ROBUST, RESPONSIVE, COST EFFECTIVE WIRELESS MONITORING: A complete system of sensors, gateway manager, and range extenders, RLE's budget friendly, feature rich WING products are the new standard for wireless monitoring.



05 WING-THRM: Compatible with RLE's WiNG products

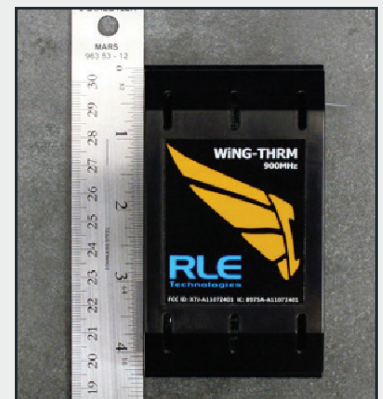
Product Codes

WING-THRM	WiNG two wire Thermistor Input; 900MHz wireless transmitter; accepts one wired 10K-2 thermistor input
WING-THRM-868	WiNG two wire Thermistor Input; 868MHz wireless transmitter; accepts one wired 10K-2 thermistor input

WiNG Family



WING-THRM



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Technical Specifications

Power	3.6V AA lithium battery
Battery Life	Up to 5 years when system spans full operating temperature range Up to 8 years at room temperatures up to 122°F (50°C) Up to 12 years at room temperature
Shelf Life	10 years in quiescent mode with battery installed
Transmission Interval Frequency Range	10-20 seconds (random) Available in 868MHz and 900MHz configurations Up to 600ft line of sight
Thermistor Input Type Temperature Range	Accepts one 10K-2 thermistor input (12-bit A/D conversion) Processes temperature readings from -40°F to 188°F (-40°C to 86.7°C)
Operating Environment WiNG Transmitter Temperature Humidity Altitude Thermistor	-13°F to 185°F (-25°C to 85°C) 0% to 90% RH (Non-condensing) -200 ft to 15,000 ft (-70m to 4572m) max Varies – consult the datasheet of your specific thermistor for details
Mounting	Free standing, zip ties, screw and keyhole – spaced 2.5" (6.4cm), junction box – 2 screws spaced 3.28" (8.3cm)
Dimensions and Weight	4.4"L x 2.5"W x 1.5"H (11.2cmL x 6.4cmW x 3.8cmH), 0.2lb (0.10kg)
Certifications and Standards	CE UL61010, CSA 22.2 #61010, IEC 61326-1, FCC 47CFR 15B, IC ICES-003, EN 61000-3-2, EN61000-3-3, ETSI EN 301 489-1, ETSI EN 301 489-3; FCC ID: X7J-A11072401; IC: 8975A-A11072401