

Monitor. Integrate. Alert. Peace of Mind.

Applications

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

- Ductwork
- Wells
- Pipes
- Refrigerators and freezers

Key Features

- Accepts one wired 10K-2 thermistor input
- 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
- 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.



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.

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.

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

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	10-20 seconds (random)
Frequency Range	Available in 868MHz and 900MHz configurations Up to 600ft line of sight
Thermistor Input Type	Accepts one 10K-2 thermistor input (12-bit A/D conversion)
Temperature Range	Processes temperature readings from -40°F to 188°F (-40°C to 86.7°C)
Operating Environment	
WiNG Transmitter Temperature	-13°F to 185°F (-25°C to 85°C)
Humidity	0% to 90% RH (Non-condensing)
Altitude	-200 ft to 15,000 ft (-70m to 4572m) max
Thermistor	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

