



# WiNG-RTD

## Wireless Transmitter with RTD Temperature Sensor Input

Monitor. Integrate. Alert. Peace of Mind.

### Applications

Convert a wired 1K Ohm platinum RTD (PT1000) temperature sensor input to a wireless signal that can be implemented into a WiNG-MGR monitoring system.

### Key Features

- Accepts one wired remote temperature sensor 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-RTD Apart?

- **Wirelessly transmits readings from a PT1000 RTD sensor.**
- **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-RTD • Compatible with RLE's WiNG products

### Product Codes

|              |  |
|--------------|--|
| WiNG-RTD     | WiNG temperature probe input; 900MHz wireless transmitter; accepts one 2-wire 1000 ohm platinum (pt1000) probe |
| WiNG-RTD-868 | WiNG temperature probe input; 868MHz wireless transmitter; accepts one 2-wire 1000 ohm platinum (pt1000) probe |



WiNG Family



WiNG-RTD pictured with Remote Temperature Sensor (sensor not included)

### Technical Specifications

|                                   |   |
|-----------------------------------|---|
| Power                             | 3.6V AA lithium battery   |
| Battery Life                      | Up to 5 years when system spans full operating temperature range.<br>Up to 8 years at room temperatures up to 122°F (50°C)<br>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<br>Up to 600ft line of sight  |
| Temperature Sensor Input Type     | One input, for use with 2-wire 1000 ohm platinum (pt1000) IEC Standard 385 curve probes   |
| Temperature Range                 | Processes temperature readings from -337°F to 302°F (-205°C to 150°C)   |
| Operating Environment Temperature | -13°F to 185°F (-25°C - 85°C)   |
| Humidity                          | 0% to 90% RH (Non-condensing)   |
| Altitude                          | -200ft to 15,000ft (-70m to 4572m) max.   |
| RTD Probe                         | Varies - consult the datasheet of your specific RTD probe 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 |

