



# WiNG-TH

## Wireless Temperature and Humidity Sensor with Optional Calculated Dew Point

Monitor. Integrate. Alert. Peace of Mind.

### Applications

Fine tune your environment to:

- Monitor a facility for changes in a wide variety of environmental conditions
- Meet energy efficiency goals
- Maintain optimal equipment performance parameters
- Anticipate equipment failures and prevent downtime

### 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
- Support 250 sensors on a single manager, up to 400 sensors with range extenders
- Optional calculated dew point when used with the WiNG-MGR

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-TH Apart?

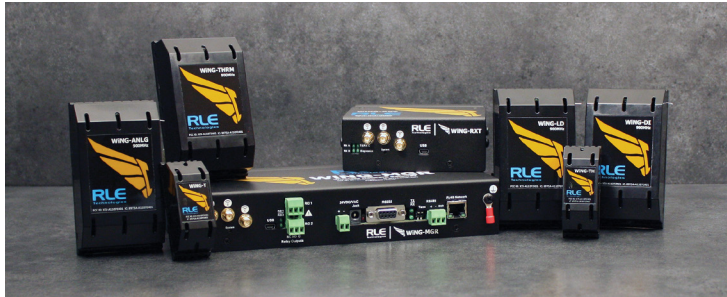
- **This wireless temperature and humidity sensor features a compact, unobtrusive sensor design** with a variety of mounting options.
- **Industry-leading battery life.** Sensor batteries last up to 12 years, communicating under normal room temperature conditions.
- **Up to 600' indoor, direct line of 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, 868MHz, and 865MHz configurations** for domestic U.S. and international installations.



## WiNG-TH • Compatible with RLE's WiNG products

### Product Codes

WiNG-TH	WiNG Temperature/humidity sensor; 900MHz wireless transmitter
WiNG-TH-865	WiNG Temperature/humidity sensor; 865MHz wireless transmitter
WiNG-TH-868	WiNG Temperature/humidity sensor; 868MHz wireless transmitter



WiNG Family



WiNG-T & WiNG-TH

### 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 Range	10-20 seconds (random) Up to 600ft line of sight
Frequency	North America: 900MHz Europe: 868MHz India: 865MHz
Temperature Accuracy	Room Temperature: Typical +/- 0.2°C; Max +/- 0.4°C; Room temperature is specified as 32°F to 140°F (0 to 60°C) Full Operating Range: Typical +/- 0.6°C; Max +/- 1.0°C
Humidity Accuracy	Standard Operating Range: Typical 2%; Max 3.5%; Standard operating range is specified as 20% to 80% RH (Non-condensing) Full Operating Range: Typical 3.5%; Max 6%
Operating Environment	Temperature: -13°F to 185°F (-25°C to 85°C) Humidity: 0% to 90% RH (Non-condensing) Altitude: -200ft to 15,000ft (-70m to 4572m) max.
Mounting	Free standing, magnets (included), 1U screw, mini din rail, zip ties
Dimensions and Weight	2.8"L x 1.1"W x 1.1"H (7.1cmL x 2.8cmW x 2.8cmH), 0.08lb (0.036kg)
Certifications	CE; FCC ID: X7J-A11072401; IC: 8975A-A11072401, Conforms to ETSI EN 300 220-1, ETSI EN 300 200-2, WPC ETA

