WIFI-TH

Wireless Wi-Fi Enabled Temperature and Humidity Sensor

Monitor. Integrate. Alert. Peace of Mind.

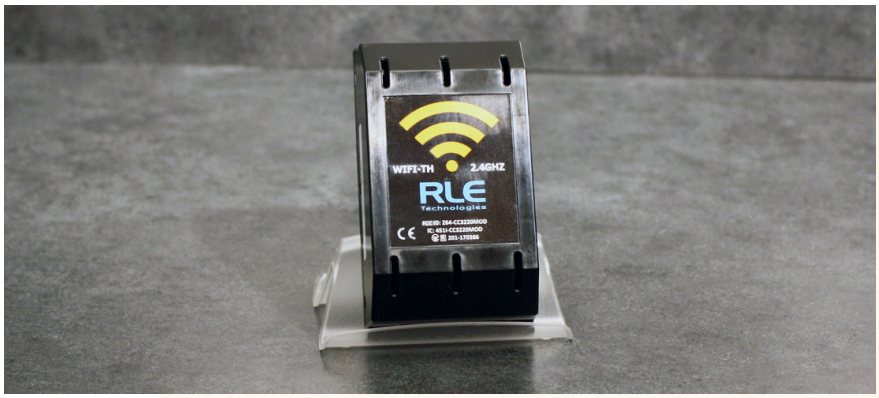
Applications

Fine tune your environment to:

- Monitor a facility for changes in temperature and humidity
- Meet energy efficiency goals
- Maintain optimal equipment performance parameters
- Anticipate equipment failures and prevent downtime

Key Features

- Transmits on your existing Wi-Fi network
- A sensor designed with security in mind:
  - Only allows one-way communications
  - Supports WPA/ WPA2-PSK encryption
  - Encrypted data storage for network and configuration information
- Supports DHCP or static IPv4 addresses and static IPv6 addresses
- Configurable transmission rate
- Optional calculated dew point when used with the WiNG-MGR



Temperature and Humidity via your Wi-Fi Network

Whether you're using a WiNG-MGR or a BMS system, the WIFI-TH allows you to leverage your existing Wi-Fi network to monitor environmental conditions in your facility.

What Sets RLE's WIFI-TH Apart?

- **It's wireless and battery powered.** No wires for power; no wires for data transmission.
- **Industry-leading battery life.** Sensor batteries last up to seven years with transmission every five minutes.
- **Compatible with RLE's WiNG-MGR.** Populates seamlessly into the WiNG-MGR's user interface, which also provides an optional calculated dew point reading.
- **BMS integration.** Transmits temperature and humidity information to a BMS using an existing wireless network.
- **Affordability and reliability that are second to none.** The WIFI-TH features the reliability you've come to expect from RLE at a very competitive price point.

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WIFI-TH · Compatible with RLE's WiNG-MGR and any BMS system capable of receiving a UDP packet.

Product Codes	
WIFI-TH	Temperature/humidity sensor; Wi-Fi wireless transmitter; requires USB-A to Micro B cable for configuration
MICRO-USB-3FT	USB-A to Micro B Cable; 3ft (1m); Black; Use with WIFI sensors for sensor configuration

WIFI-TH

Technical Specifications	
Power	7.2V (two 3.6V AA lithium batteries)
Battery Life IPv4 IPv6	Battery life varies based on Wi-Fi signal strength and access point performance Up to 7 years at 5 minute transmission intervals; up to 2 years at 1 minute transmission intervals Up to 5 years at 15 minute transmission intervals
Shelf Life	10 years in quiescent mode with battery installed
Connectivity Wi-Fi IP	 2.4 Ghz 802.11b/g/n, supports WEP, WPA (TKIP) or WPA2 (AES) encryption IPv4 static or DHCP; IPv6 static
Transmission Interval	1-30 minutes (configurable)
Accuracy Temperature Humidity	 +/- 0.2°C at room temperature; +/- 0.5°C over full operating range +/- 2% over full operating range
Operating Environment Temperature Humidity Altitude	 -13°F to 185°F (-25°C - 85°C) 0% to 90% RH (Non-condensing) -200ft to 15,000ft (-70m to 4572m) max.
Mounting	Free standing, zip ties, screw and keyhole - spaced 2.5" (6.4cm), junction box - two 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	EN-61326-1:2013, EN 301 489-1 V2.1.1, EN 301 489-17 V 3.1.1, Subpart B of Part 15 of FCC Rules for Class A digital devices, ANSI/UL 61010-1:2012, CAN/CSA-C22.2 No. 61010-1:2012 (3rd Edition), EN 61010-1:2010 (3rd Edition), and IEC 61010-1:2010. Contains FCC ID: Z64-CC3220MOD; Contains IC: 451I-CC3220MOD