

 **Falcon**

Wireless Temperature & Humidity Sensor

The Falcon Wi-TH2 is a high resolution battery-operated digital wireless temperature and humidity sensor with a 418 MHz, FCC-certified radio transmitter. The Wi-TH2 is designed to provide accurate, timely data while consuming minimal power.

The Wi-TH2's high resolution allows it to detect and report temperature shifts within 0.1°F. This allows you to more closely monitor environmental parameters within your facility.

The Wi-TH2 works in tandem with RLE's wireless sensor network manager (Wi-MGR). The Wi-MGR gathers data from wireless sensors and presents that information via one streamlined, integrated web interface. The Wi-MGR simplifies adding new sensors or relocating current sensors within a monitoring system; its integrated auto-discovery mechanism detects modifications to the system and adjusts the configuration accordingly.

Wireless systems provide many advantages over traditional hard-wired systems. One main benefit is the decreased installation cost - no longer are electricians and conduit necessary for installation. Wireless systems are easy to set up, to expand, and to reconfigure - since you do not have to open up walls and run wires, you can adjust the system on the fly. That way, you're always sampling temperature and humidity readings in exactly the right locations. Wireless systems are also very portable, so you can use a single system to measure routine diagnostics in multiple diverse areas. It's this flexibility and cost savings that makes wireless monitoring systems the right choice for many facilities.

Features

- Wireless with compact ABS enclosure
- Digital temperature and humidity measurement
- High resolution provides very accurate temperature and humidity readings
- Transmission range of up to 100 feet (30.5m)
- 3.6V lithium AA battery life up to three years
- Moisture resistant coating
- Internal loop antenna
- Complies with part 15 of the FCC Rules
- Approved for use in North America only

Benefits

- Easy installation
- Simple to relocate
- Accurate, efficient temperature and humidity data
- Reliable communication
- Cost effective wireless solution
- Durable for moist environments
- Compact design
- FCC Certified Transmitter

Monitoring & Notification

Wi-TH2 Specifications

Power	3.6V Battery Lithium AA; included
Battery Life Lithium AA Battery	Up to 3 years with 10-17 second random transmission interval
Shelf Life (Battery Installed) Lithium AA Battery	10 years in quiescent mode
Transmission Interval Frequency Range	10-17 seconds (random) 418 MHz Up to 100 ft. (30.5m)
Resolution	Reported in 0.1°F increments
Accuracy	+/- 0.4 degree C +/- 3% humidity
Operating Temperature	-40°F to 185°F (-40°C to 85°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Dimensions Enclosure	2.5" W X 2.0" H X 1.0" D (63.5mm W x 50.8mm H x 25.4mm D)
Weight	1 oz. (28.35g)
Mounting	Wall mount
Certification	FCC Part 15, Class B; FCC ID: M5ZP6EZI0

