



## Wireless Temperature & Humidity Sensor

The Falcon Wi-THS is a battery-operated digital temperature and humidity sensor with a microprocessor-controlled 418 MHz, FCC-certified radio transmitter. The Wi-THS provides many advantages over traditional hard-wired systems. One main benefit is installation cost. Electricians and conduit are no longer necessary for installation. Adding new sensors or relocating current ones are tasks made simple using RLE's wireless gateway (FDS-Wi), which contains an auto-discover mechanism that detects modifications to the system.

The Wi-THS has an onboard time-of-day clock that allows it to spend most of the time in a low power, "sleep" state. The onboard microprocessor requires power only at predetermined time intervals (set at the factory), when digital temperature and humidity sensors read the current temperature and humidity. The information is then wirelessly transmitted to a point managing receiver (RLE's FDS-Wi wireless gateway). This architecture allows the Wi-THS sensor to consume minimal power, resulting in a battery life of up to three years.

### Features

- Wireless with compact ABS enclosure
- Digital temperature and humidity measurement
- 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

### Benefits

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

# Monitoring & Notification

## Wi-THS Specifications

<b>Power</b>	3.6V Battery Lithium AA; included
<b>Battery Life</b> Lithium AA Battery	Up to 3 years with 10-17 second random transmission interval
<b>Shelf Life (Battery Installed)</b> Lithium AA Battery	10 years in quiescent mode
<b>Transmission</b> Interval Frequency Range	10-17 seconds (random) 418 MHz Up to 100 ft. (30.5m)
<b>Accuracy</b>	+/- 0.5 degree C +/- 3% humidity
<b>Operating Temperature</b>	-40°F to 185°F (-40°C to 85°C)
<b>Storage Temperature</b>	-40°F to 185°F (-40°C to 85°C)
<b>Dimensions</b> Enclosure	2.5" W X 2.0" H X 1.0" D (63.5mm W x 50.8mm H x 25.4mm D)
<b>Weight</b>	1 oz. (28.35g)
<b>Mounting</b>	Wall mount
<b>Certification</b>	FCC Part 15, Class B; FCC ID: M5ZP6EZ10



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