



Wireless Digital Input Temperature Sensor

The Falcon Wi-DIT is a battery-operated digital counter and temperature sensor with a microprocessor-controlled 418 MHz, FCC-certified radio transmitter. The Wi-DIT 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-DIT 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). The Wi-DIT provides a temperature output signal from an internal thermistor, a closed contact signal to the digital counter input, and the information is wirelessly transmitted to a point managing receiver (RLE's FDS-Wi wireless gateway). This architecture allows the Wi-DIT sensor to consume minimal power, resulting in a battery life of up to four years.

The Wi-DIT also accepts a normally open (NO) or normally closed (NC) dry contact signal.

Features

- Wireless with compact ABS enclosure
- Digital temperature measurement and dry contact (NO/NC) input
- Pulse counter that counts up to 20 pulses per second
- Transmission range of up to 100 feet (30.5m)
- 3.6V lithium AA battery life up to four 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 data and dry contact input relay
- Reliable communication
- Cost effective wireless temperature sensor
- Durable for moist environments
- Compact design
- FCC Certified Transmitter

Monitoring & Notification

Wi-DIT Specifications

Power	3.6V Battery Lithium AA; included
Battery Life Lithium AA Battery	Up to 4 years with 10-17 second random transmission interval
Shelf Life (Battery Installed) Lithium AA Battery	5 years in quiescent mode
Pulse Counter	Counts up to 20 pulses per second
Transmission Interval Frequency Range	10-17 seconds (random) 418 MHz Up to 100 ft. (30.5m)
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	1.5" W X 2.1" H X 0.6" D (38.1mm W x 53.3mm H x 15.2mm D)
Weight	1.5 oz. (42.52g)
Mounting	Wall mount or free-standing (for ease of relocation)
Certification	FCC Part 15, Class B; FCC ID: M5ZWOWANA

