



## 900 MHz Temperature Humidity Sensor

### Wirelessly Monitor Temperature and Humidity with this 900 MHz Battery-Operated Digital Sensor

ConceptOne represents a family of sensor monitoring products from the Company that has provided unique, cost effective solutions since 1986. This battery operated, wireless ConceptOne product enables the monitoring of temperature and humidity with an easy to install system.

The ConceptOne Temperature Sensor is a battery operated digital temperature and humidity sensor with a built-in microprocessor controlled 900 MHz FCC certified radio transmitter.

A Point Manager receiver is required. Repeaters may be required depending on locations and required wireless transmission distances.

This extremely small sensor, measures only 3.25" x 3.25" x 1.375" (including mounting flange) and weighs only five ounces.

#### Main Features

- 900 MHz, 100mwatt FCC Certified Wireless Radio
- Communicates to our Point Manager
- Slow response 10K internal thermistor resists short-term temperature spikes.
- Onboard calibration table provides linear output.
- Battery Type: Two 3.6 V Lithium Thionyl Chloride. User replaceable batteries.
- Unique Serial Number to identify specific sensor locations
- CRC-16-16 Error Checked Radio Data for accuracy
- To activate the sensor, slide the On/Off switch towards the antenna connector. Momentarily placing a magnet next to this switch will cause the device to transmit an installation status mark to the Point Manager.

#### Key Advantages

- Our complete wireless network costs less than just the electrical wiring for other systems.
- No Power Wires Required.  
No Data Cables Required.
- Small size, low weight, fast and easy installation.
- Typical 2-year Battery Life with 5 minute transmission rate.
- One Year Warranty

#### Measurement Specifications

- Operating Temperature - 40 to 85 degrees C
- Transmission Rate Once every 5 minutes
- Temp Accuracy at 25 C +/- 0.4 degrees C
- Humidity Range 20% to 80%
- Humidity Accuracy +/- 3%