



## WiFi Wireless Room Sensor (802.11 interface to your existing WiFi network)

### Wirelessly Monitor Temperature and Humidity with this Ultra Low Power Battery-Operated Digital Sensor

ConceptOne is a revolutionary new technology in remote sensor monitoring from the Company that has provided unique, cost effective solutions for over twenty-one years. ConceptOne leverages existing WiFi networks to enable the monitoring of temperatures with an easy to install system.

The ConceptOne Ultra Low Power (ULP) WiFi Temperature/Humidity Sensor is a battery operated digital sensor with a built-in microprocessor controlled 2.4 GHz IEEE 802.11b ULP radio to transmit temperature and relative humidity data across your existing WiFi network. This ConceptOne sensor has an internal Sensiron SHT71 single chip temperature/humidity sensor.

This extremely small sensor measures only 4.5" x 2.75" x 1.0" and weighs only three ounces.

#### Main Features

- 12 mw 2.4 GHz 802.11b ULP Wireless Radio
- Communicates with most standard Access Points
- Internal Sensiron SHT71 Temperature/Humidity Sensor
- Onboard Calibration and Linearization Data
- Low Current/Duty Cycle for Reduced Self Heating
- Battery Life: Typical 4 years at 15 minute transmission intervals
- Battery Type: 3.6 V Lithium ½ AA. User replaceable.
- Unique Serial Number to identify specific sensor locations
- Supports WEP128, WPA, WPA2-PSK (AES)
- Static IP Address or Set Through DHCP
- Sensor Data Sent via UDP Packet
- Small Data Packets (<70 bytes)
- Configured via USB cable

#### Key Advantages

- Our complete wireless network costs less than just the electrical wiring for other systems.
- You can leverage the investment in your existing WiFi Infrastructure
- Small size, low weight, fast and easy installation.
- Install sensor nodes without regard for other repeaters and receivers.
- One Year Warranty

#### Measurement Specifications

- |                             |                          |
|-----------------------------|--------------------------|
| • Temp Accuracy at 25C      | +/- 0.4 degree C         |
| • Humidity Accuracy at 25 C | +/- 3%                   |
| • Operating Temperature     | - 40 to 85 degrees C     |
| • Humidity Range            | 20 to 80% non-condensing |