



WH2630

Room, Wall Mount RH with Temperature Option

The WH2630 series sensor is a battery operated RH room sensor with 3% accuracy for monitoring relative humidity in rooms or spaces where wired sensors cannot be installed. This allows the sensors to be easily mounted or moved if needed, without re-running wire. The WH2630 is available to monitor Relative Humidity (WH2630A), and can also be ordered with an optional temperature sensor (WH2630B). The WH2630 can be ordered with the standard room enclosure or ruggedized enclosure for light industrial use. The data from the WH2630 is sent wirelessly to an RM2432D receiver which converts the wireless signal to voltage input to a DDC controller, or to a transceiver that will send the data to a BAS using BACnet, Modbus, or

Lonworks protocol. Transmission distance in a typical building is 200-300 feet horizontal depending on the layout and construction of the building, and one floor above and one floor below the transceiver. Sensor distance and reliability can be increased with the addition of a RR2552B(s) repeater.

Applications: Museums, Churches, Historical Buildings & New Construction

The WH2630 Series is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

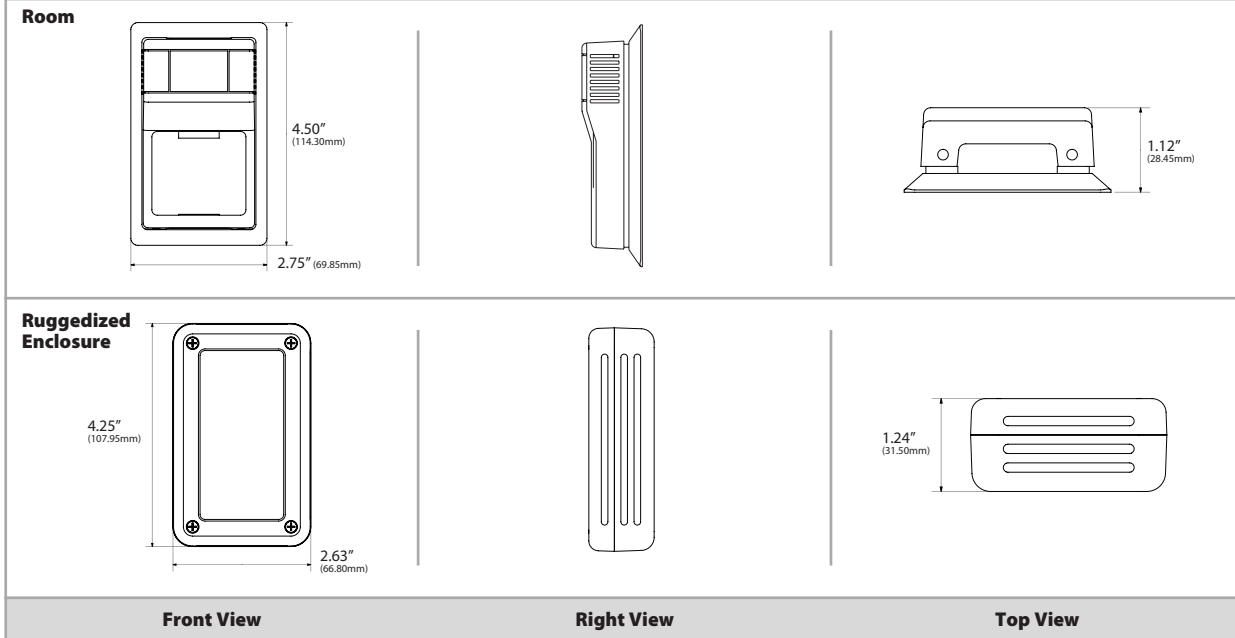
PRODUCT SPECIFICATIONS

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| Input Voltage: | Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum |
| Battery Life: | 2-3 years typical |
| Operating Temperature Range: | 32 to 104°F (0 to 40°C) |
| Operating Humidity Range: | 5 to 65%, Non-condensing |
| Storage Temperature Range: | 40 to 122°F (4 to 50°C), 5 to 65% RH, Non-condensing |
| RH Accuracy: | +/- 3% RH |
| Temperature Accuracy (Optional): | +/- 1°F (+/- 0.555°C) 12 bit resolution |
| Data Protocol: | IEEE 802.15.4-2003/2006 |
| RF Characteristics: | 900 MHz, Operating Frequency 10 channels between 902 – 928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -11 dBm |
| Sensor Data Transmission Time: | 75 seconds (default) 300 seconds (optional) |
| Transmission Distance: | 200 – 300 ft horizontally depending on building type and construction, and typically one floor above and below the transceiver vertically |
| Enclosure Material Flammability Rating: | Room: ABS Plastic UL 94 HB Ruggedized Enclosure: ABS Plastic UL94-5VA |
| Product Dimensions: | Room: (L) 4.50" (114.30 mm) x (W) 2.75" (69.85 mm) x (H) 1.12" (28.45 mm) Ruggedized Enclosure: (L) 4.25" (107.95 mm) x (W) 2.63" (66.80 mm) x (H) 1.24" (31.50 mm) |
| Product Weight: | Room: 0.30 lbs (0.14 kg) Ruggedized Enclosure: 0.35 lbs (0.16 kg) |





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **WH2630A** -OR- **131070**

| Model # | Item # | Description |
|---------------------|--------|--|
| WH2630A | 131070 | Wireless Room Humidity Sensor, Standard Enclosure |
| WH2630A-300 | 143436 | Wireless Room Humidity Sensor, Standard Enclosure, 300 Second Interval |
| WH2630AR | 142512 | Wireless Room Humidity Sensor, Ruggedized Enclosure |
| WH2630AR-300 | ---- | Wireless Room Humidity Sensor, Ruggedized Enclosure, 300 Second Interval |
| WH2630B | 130663 | Wireless Room Humidity & Temperature Sensor, Standard Enclosure |
| WH2630B-300 | ---- | Wireless Room Humidity & Temperature Sensor, Standard Enclosure, 300 Second Interval |
| WH2630BR | 134788 | Wireless Room Humidity & Temperature Sensor, Ruggedized Enclosure |
| WH2630BR-300 | ---- | Wireless Room Humidity & Temperature Sensor, Ruggedized Enclosure, 300 Second Interval |

