



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.

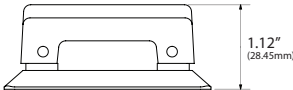
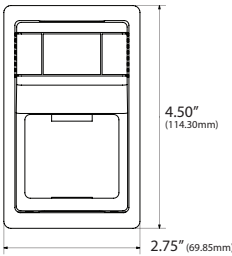
PRODUCT SPECIFICATIONS	
Input Voltage:	Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum
Battery Life:	2-3 years typical
Operating Temperature Range:	32 to 104°F (0 to 40°C)
Operating Humidity Range:	5 to 65%, Non-condensing
Storage Temperature Range:	40 to 122°F (4 to 50°C), 5 to 65% RH, 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)



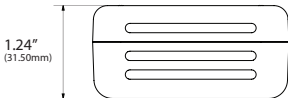
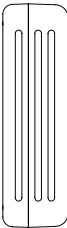
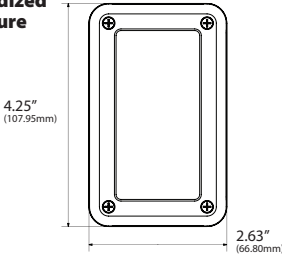


DIMENSIONAL DRAWING

Room



Ruggedized Enclosure



Front View

Right View

Top View

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

