



Featured WH2630 Product

WH2630A



WH2630B



WH2630AR
WH2630ARP



WH2630BR
WH2630BRP

WH2630

Wireless Wall Humidity, Temperature Sensor Option

The WH2630 is a battery operated spread spectrum wireless wall humidity and temperature sensor. The Data-Link LED confirms the data transmission was received by the receiver for fast and reliable positioning of the sensor during installation. There is no need for special wireless installation equipment or site survey tool. Together with the Meshnet900™ receivers and controllers, the wireless sensors can be used with any LonWorks™, BACnet™, MODbus, DDC system or panel. The maximum radio transmission distance is dependent on building architecture and layout. The maximum open air transmission distance is one mile. In a typical commercial building with steel I-beam construction, concrete floors with reinforcing rods, and metal stud walls, it can be expected that transmissions will penetrate vertically one floor above and below the location of the sensor and horizontally through 200 to 500 feet of walls, furniture and air.

The WH2630 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 web site, www.workaci.com.





SPECIFICATIONS

Input Voltage	Battery: One type 3.0V LiMNO2 1400 mAh (Duracell DL123A)		
Sensing Operating Range/Accuracy	Sensing Ranges: -40 to 200°F	Accuracy: +/-1°F	
Transmitter Characteristics	Operating Frequency: 902-928 MHz	Transmitter Power: 11 dBm	Receiver Sensitivity: -110 dBm
Open Field Range	One Mile (line of sight)		
Operating Temperature Range	32 to 104°F (0 to 40°C)		
Operating Humidity Range	5 to 95% RH, non-condensing		
Data Transmission Interval	75 seconds (standard), 300 seconds (optional)		
Product Dimensions	(L) 4.25" (W) 2.63" (H) 1.27"		

ORDERING

Please select one Wireless Device (A) & one Transmission Interval (B).

- | | |
|--------------------------|--------------------|
| A Wireless Device | B Intervals |
|--------------------------|--------------------|
- WH2630A** (Wireless Humidity (3%) Sensor)
 - WH2630AR** (Wireless Humidity (3%) Sensor) (Ruggedized Enclosure)
 - WH2630ARP** (Wireless Humidity (3%) Sensor) (Ruggedized Enclosure, External Link Button)
 - WH2630B** (Wireless Humidity (3%) & Temperature Sensor)
 - WH2630BR** (Wireless Humidity (3%) & Temperature Sensor) (Ruggedized Enclosure)
 - WH2630BRP** (Wireless Humidity (3%) & Temperature Sensor) (Ruggedized Enclosure, External Link Button)
- (Every 75 Seconds)
 - 300** (Every 300 Seconds)

BUILD PART NUMBER

After completing (A) & (B) from the above table, fill in the Part Number Table below. An "example" part number is offered.

A	B
EXAMPLE: WH2630A - 300	

Wireless wall sensors should be installed within 200 to 500 feet of the receiver. RR2552 signal repeaters can be installed as to increase transmission distance between sensors and receivers.

To select the proper sensor location, first install and power the receiver. Insert the battery into the sensor, being sure to observe polarity. The Meshnet900™ system does not require any additional wireless equipment to determine the proper location of the sensors. While the sensor is attempting to connect to the receiver, the Data-Link LED will blink rapidly 8-10 times every 10 seconds. Once a connection has been established, the Data-Link LED will blink once. The Data-Link LED will continue to blink once for every successful data transmission. The data transmission rate, normally 75-second intervals, is programmed into the sensor. To manually initiate a data transmission, press the push button switch located by the negative terminal of the battery.

Once the sensor location has been determined mount the subbase on an inside wall approximately 4.5 ft. from the floor (or in the specified location) to allow exposure to the average zone temperature using two #8 screws, Velcro or double sided tape. Mounting the sensor over a 2 x 4" metal junction box may cause a loss in overall signal transmission distance.

Locate and record the wall sensor TXID Number located on a label on the back of the subbase prior to mounting. Do not mount the sensors on an outside wall, on a wall containing water pipes or near air ducts. Avoid locations that are exposed to discharge air from registers or radiation from lights, appliances, or the sun. Attach the wall sensor to the subbase by tightening the two locking screws at the bottom of the subbase. The locking screw must be installed for a secure installation. The screws are turned counter-clockwise to secure the cover.