



Featured WT2630 Product

WT2630B



WT2630A



WT2630C



WT2630AR  
WT2630ARP

# WT2630

## Wireless Wall Temperature Sensor Option

The WT2630 is a battery operated spread spectrum wireless wall temperature sensor or thermostat. The override button (B & C models only) located on the side of the sensor housing can be assigned to a digital output in the Meshnet900™ family of receivers for occupancy override or similar applications. The setpoint adjustment (B Model only) can be assigned to an analog output in the Meshnet900™ receiver. The output will then be used by a controller for a variety of control setpoint ranges (user defined). Meshnet900™ wireless sensors utilize reliable Spread Spectrum Radio technology. The Meshnet900™ sensor 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 survey tools. Together with the Meshnet900™ receivers and controllers, these wireless sensors can be used with any LonWorks™, BACnet™, MODBUS communication protocols, or DDC system. 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 WT2630 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](http://www.workaci.com).





**SPECIFICATIONS**

<b>Input Voltage</b>	Battery: One type 3.0V LiMNO2 1400 mAh (e.g. Duracell DL123A)
<b>Temperature Sensor Accuracy</b>	+/- 1°F
<b>Transmitter Characteristics</b>	Operating Frequency: 902-928 MHz, Transmitter Power: 11 dB
<b>Open Field Range</b>	One mile (line of sight)
<b>Data Transmission Interval</b>	75 seconds (standard), 300 seconds (optional)
<b>Operating Temperature Range</b>	Standard Enclosure: 32 to 104°F (0 to 40°C), Ruggedized Enclosure: 32 to 140°F (0 to 60°C)
<b>Operating Humidity Range</b>	5 to 95%, non-condensing
<b>Product Dimensions</b>	(L) 4.25" (W) 2.63" (H) 1.27"

**ORDERING**

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

<b>A</b> Wireless Device	<b>B</b> Intervals
<input type="radio"/> <b>WT2630A</b> (Room Temperature Sensor) <input type="radio"/> <b>WT2630AR</b> (Room Temperature Sensor) (Ruggedized Enclosure) <input type="radio"/> <b>WT2630ARP</b> (Room Temperature Sensor) (Ruggedized Enclosure, External Link Button) <input type="radio"/> <b>WT2630B</b> (Room Temperature Sensor, Setpoint Adjustment & Override Push Button) <input type="radio"/> <b>WT2630C</b> (Room Temperature Sensor, Override Push Button)	<input type="radio"/> ---- (Every 75 Seconds) <input type="radio"/> <b>300</b> (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
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EXAMPLE: WT2630C

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.