



WT2630

Room, Wall Mount Temperature



The WT2630 series room sensors are battery operated and work on the 900MHz spread spectrum technology which allows for easy installation without long wire runs and expensive labor. Wireless room sensors can be used in museums, churches and historical sites where traditional wired sensor installation would cause damage or be expensive to install. The sensors can be used in new construction or to retrofit HVAC, building automation, and light industrial systems with minimal downtime and expense compared to hardwired sensors. The WT2630 is available in three different configurations to monitor temperature (WT2630A), temperature, set point and override for local temperature and afterhours control (WT2630B), and temperature with override (WT2630C), to send the data wirelessly to an RM2432D receiver that 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 WT2630 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.

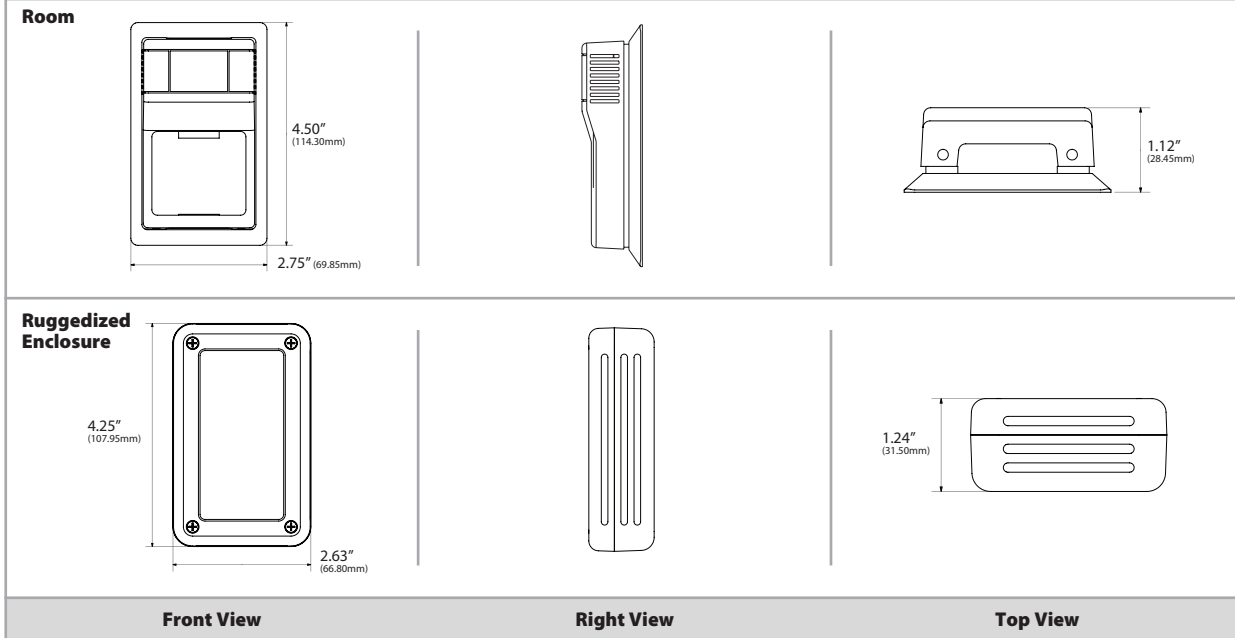
PRODUCT SPECIFICATIONS

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
Accuracy:	+/- 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: WT2630A-300 -OR- 137003

Model #	Item #	Description
WT2630A	130659	Wireless Room Temperature Sensor, Standard Enclosure
WT2630A-300	137003	Wireless Room Temperature Sensor, Standard Enclosure, 300 Second Interval
WT2630AR	134791	Wireless Room Temperature Sensor, Ruggedized Enclosure
WT2630AR-300	---	Wireless Room Temperature Sensor, Ruggedized Enclosure, 300 Second Interval
WT2630B	130660	Wireless Room Temperature Sensor (Setpoint & Override), Standard Enclosure
WT2630B-300	137004	Wireless Room Temperature Sensor (Setpoint & Override), Standard Enclosure, 300 Second Interval
WT2630C	130661	Wireless Room Temperature Sensor (Override), Standard Enclosure
WT2630C-300	---	Wireless Room Temperature Sensor (Override), Standard Enclosure, 300 Second Interval