



OST2630

Outside Air Temperature



The OST2630 is a battery operated wireless outdoor air temperature sensor that can be used to measure temperature outdoors without having to drill through walls and run expensive conduit. The sensor is encapsulated in a 0.25" O.D. 304 stainless steel probe mounted in a compact NEMA 4X enclosure that should be mounted on the north side of a building. The temperature from the OST2630 is sent wirelessly to an RM2432D receiver which converts the wireless signal to voltage input to a DDC controller or to a transceiver which 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 OST2630 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.

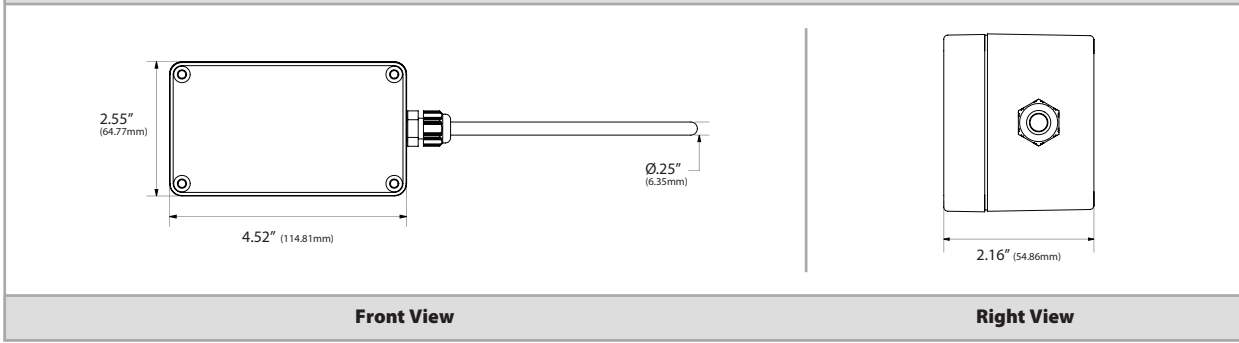
PRODUCT SPECIFICATIONS

Input Voltage:	Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum
Operating Temperature Range:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	5 to 65%, Non-condensing
Storage Temperature Range:	Temperature: 0 to 176°F (-17 to 80°C) Humidity: 5 to 65%, Non-condensing
Sensor Temperature Range:	-40 to 200°F (-40 to 93°C)
Accuracy:	+/- 1°F (+/- 0.555°C) 12 bit resolution
Probe Material:	304 Stainless Steel
Probe Diameter:	0.250" (6.35 mm)
Probe Length:	3.25" (82.55 mm)
Fitting Material:	Polyamide 6 plastic; flammability rating UL94 V-2
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:	Polycarbonate Plastic UL94-HB
Product Dimensions:	(L) 4.52" (114.81 mm) x (W) 2.55" (64.77 mm) x (H) 2.16" (54.86 mm)
Product Weight:	0.80 lbs (0.36 kg)





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **OST2630A** -OR- **130815**

Model #	Item #	Description
OST2630A	130815	Wireless Outside Air Temperature Sensor, NEMA 4X Enclosure
OST2630A-300	----	Wireless Outside Air Temperature Sensor, NEMA 4X Enclosure, 300 Second Interval