



# SST2630

## Remote Temperature Probe / Strap-On

The SST2630 is a battery operated wireless temperature sensor that can be used as a remote probe for monitoring refrigeration or strap-on for pipes using the reliable 900MHz spread spectrum technology for communication. The sensing element is in a 2", 0.25" O.D. stainless steel probe with a 20' cable length that will be able to cover most duct applications. The SST2630 is available with a standard or NEMA 4X enclosure. The SST2630 will send the temperature wirelessly to the RM2432D receiver, which converts the wireless signal to voltage for use with 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 SST2630 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](http://www.workaci.com).**

### PRODUCT SPECIFICATIONS

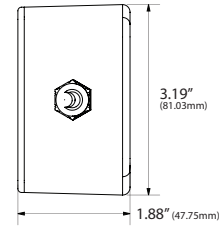
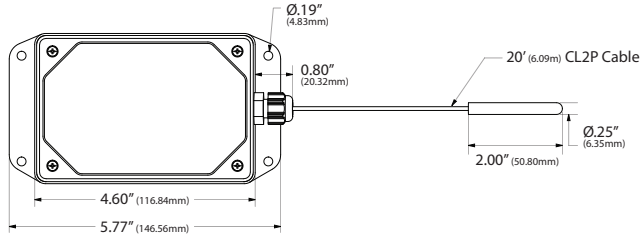
<b>Input Voltage:</b>	Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum
<b>Battery Life:</b>	2-3 years typical
<b>Operating Temperature Range:</b>	14 to 140°F (-10 to 60°C)
<b>Operating Humidity Range:</b>	5 to 65%, Non-condensing
<b>Storage Temperature Range:</b>	0 to 176°F (-17 to 80°C), 5 to 65% RH, Non-condensing
<b>Sensor Range:</b>	-40 to 200°F (-40 to 93°C)
<b>Accuracy:</b>	+/- 1°F (+/- 0.555°C) 12 bit resolution
<b>Probe Dimensions:</b>	<b>Length:</b> 2" (50.8 mm)   <b>Diameter:</b> 0.25" (6.35mm)   <b>Material:</b> 304 stainless steel
<b>Cable Length   Cable Type:</b>	20' (6.09m)   CL2P plenum rated
<b>Fitting:</b>	Nylon 6/6, Flammability rating UL94V-2
<b>Data Protocol:</b>	IEEE 802.15.4-2003/2006
<b>RF Characteristics:</b>	900 MHz, Operating Frequency 10 channels between 902 – 928 MHz <b>Transmitter Power:</b> 11 dBm   <b>Receiver Sensitivity:</b> -11 dBm
<b>Sensor Data Transmission Time:</b>	75 seconds (default)   300 seconds (optional)
<b>Transmission Distance:</b>	200 – 300 ft horizontally depending on building type and construction and typically one floor above and below the transceiver vertically
<b>Enclosure Material   Flammability Rating:</b>	<b>Standard:</b> ABS Plastic   UL 94   <b>NEMA 4X:</b> Polycarbonate Plastic   UL94-HB
<b>Product Dimensions:</b>	<b>Standard:</b> (L) 5.77" (146.56 mm) x (W) 3.19" (81.03 mm) x (H) 1.88" (47.75 mm) <b>NEMA 4X:</b> (L) 4.52" (114.81 mm) x (W) 2.55" (64.77 mm) x (H) 2.16" (54.86 mm)
<b>Product Weight:</b>	<b>Standard:</b> 0.95 lbs (0.43 kg)   <b>NEMA 4X:</b> 0.95 lbs (0.43 kg)



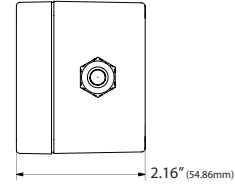
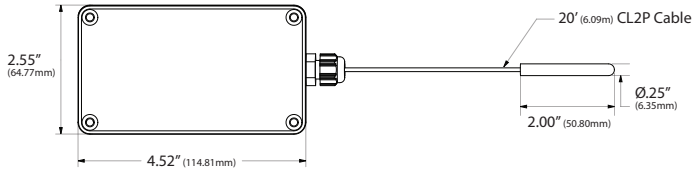


**DIMENSIONAL DRAWING**

**Standard**



**NEMA 4X**



Front View

Top View

**STANDARD ORDERING**

Model # Example: **SST2630A** -OR- **133986**

Model #	Item #	Description
<b>SST2630A</b>	133986	Wireless Remote Strap-On Temperature Sensor (20' Plenum Cable), Standard Enclosure
<b>SST2630A-300</b>	----	Wireless Remote Strap-On Temperature Sensor (20' Plenum Cable), Standard Enclosure, 300 Second Interval
<b>SST2630AE</b>	134784	Wireless Remote Strap-On Temperature Sensor (20' Plenum Cable), NEMA 4X Enclosure
<b>SST2630AE-300</b>	----	Wireless Remote Strap-On Temperature Sensor (20' Plenum Cable), NEMA 4X Enclosure, 300 Second Interval