



SST5630AE

Low Temperature Remote Probe / Strap-On

The SST5630AE is a battery operated wireless temperature sensor that can be used as a remote probe for monitoring refrigeration or freezers from -300°F (-184°C) to 300°F (149°C) using the reliable 900MHz spread spectrum technology for communication. The sensing element is in a 2", 0.1875" O.D. stainless steel probe with a 10' cable length, and the SST5630AE is built with a standard NEMA 4X enclosure. The SST5630AE will transmit the temperature wirelessly to a MOD9200 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 SST5630AE 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.

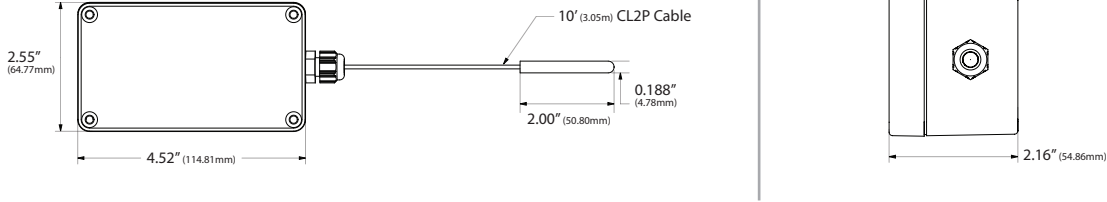
PRODUCT SPECIFICATIONS

| | |
|--|---|
| Input Voltage: | Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum |
| Battery Life: | 2-3 years typical |
| Operating Temperature Range: | 14 to 140°F (-10 to 60°C) |
| Operating Humidity Range: | 5 to 65%, Non-condensing |
| Storage Temperature Range: | 0 to 140°F (-17.70 to 60°C), 5 to 65% RH, Non-condensing |
| Sensor Range: | -300 to 300°F (-184 to 149°C) |
| Accuracy: | +/- 1°F (+/- 0.555°C) 12 bit resolution |
| Probe Dimensions: | Length: 2.0" (50.80 mm) Diameter: 0.188" (4.78 mm) Material: 304 stainless steel |
| Lead Length Cable Diameter: | 10' (9.15 m) 0.106" nominal (2.69 mm) |
| Conductor Size Conductor Material: | 24 AWG (0.51 mm) Silver Plated Copper |
| Lead Wire Insulation Jacket Color: | FEP/FEP (Teflon) Jacketed Cable White |
| Fitting: | Nylon 6/6, Flammability rating UL94V-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: | 0.85 lbs (0.39 kg) |





DIMENSIONAL DRAWING



Front View

Top View

STANDARD ORDERING

Model # Example: **SST5630AE** -OR- **134785**

| Model # | Item # | Description |
|----------------------|--------|---|
| SST5630AE | 134785 | Wireless Remote Strap-On Temperature Sensor (10' Cable), NEMA 4X Enclosure |
| SST5630AE-300 | ---- | Wireless Remote Strap-On Temperature Sensor (10' Cable), NEMA 4X Enclosure, 300 Second Interval |