FT2630

Immersion Temperature

The FT2630 is a battery operated wireless immersion sensor that can be used where the installation of a wired sensor would be too expensive. The probe is made of 304 stainless steel with a 0.25" O.D. and is available with insertion lengths of 2.5", 4", and 6". The sensor assembly uses a fitting that will work with any thermowell that can accept a 1/2" NPT thread. The FT2630 can be ordered with or without a thermowell and is available with the standard or NEMA 4X enclosure. The FT2630 will transmit the temperature wirelessly to the RM2432D receiver that converts the wireless signal to voltage input for use with 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

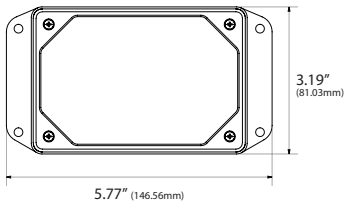
The FT2630 is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

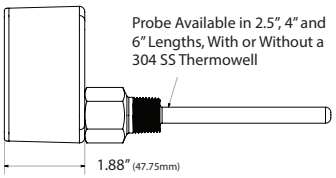
PRODUCT SPECIFICATIONS

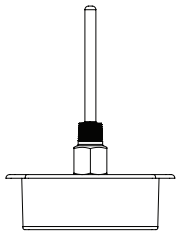
Input Voltage:	Battery; 1 (Duracell DL123A), Lithium 3V 1400 mAh 45 mA maximum
Battery Life:	2-3 years typical
Operating Temperature Range:	14 to 140ºF (-10 to 60ºC)
Operating Humidity Range:	5 to 65%, Non-condensing
Storage Temperature/RH Range:	**Temperature:** 0 to 176ºF (-17 to 80ºC) | **Humidity:** 5 to 65%, Non-condensing
Sensor Temperature Range:	-40 to 200ºF (-40 to 93ºC)
Accuracy:	+/- 1ºF (+/- 0.555ºC) 12 bit resolution
Probe Material:	304 Stainless Steel
Probe Diameter:	0.250" (6.35mm)
Probe Lengths:	2.5", 4", & 6"
Thermowells:	304 Stainless Steel, ½" NPT Process Threads, ½" NPS Instrument Threads
Fitting / Flammability Rating:	ST801A Polyamide 66 Plastic (PA66) toughened "Zytel", UL94-HB
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:** -11dBm
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:	**Standard:** ABS Plastic **NEMA 4X:** Polycarbonate Plastic
Flammability Rating:	**Standard:** UL94 **NEMA 4X:** UL94-HB
Product Dimensions:	**Standard:** (L) 5.77" (146.56 mm) x (W) 3.19" (81.03 mm) x (H) 1.88" (47.75 mm) **NEMA 4X:** (L) 4.52" (114.81 mm) x (W) 3.54" (89.92 mm) x (H) 2.16" (54.86 mm)
Product Weight:	**FT2630A-02:** 0.98 lbs (0.45 kg) **FT2630A-04-SS:** 1.29 lbs (0.59 kg) **FT2630AE-06:** 2.83 lbs (1.28 kg) **FT2630A-04:** 0.99 lbs (0.45 kg) **FT2630A-06-SS:** 1.30 lbs (0.59 kg) **FT2630AE-02-SS:** 3.11 lbs (1.41 kg) **FT2630A-06:** 1.00 lbs (0.45 kg) **FT2630AE-02:** 2.81 lbs (1.27 kg) **FT2630AE-04-SS:** 3.17 lbs (1.44 kg) **FT2630A-02-SS:** 1.28 lbs (0.58 kg) **FT2630AE-04:** 2.82 lbs (1.28 kg) **FT2630AE-06-SS:** 3.23 lbs (1.47 kg)

DIMENSIONAL DRAWING

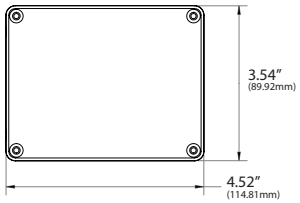
Standard

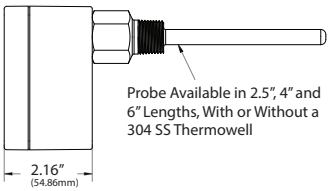


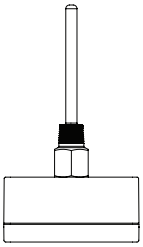




NEMA 4X







Front View | **Right View** | **Top View**

STANDARD ORDERING

Model # Example: FT2630AE-04 -OR- 134779

Model #	Item #	Description
FT2630A-02	131033	Wireless Immersion Temperature Sensor (2.5", No Well), Standard Enclosure
FT2630AE-02-SS	142363	Wireless Immersion Temperature Sensor (2.5"), NEMA 4X Enclosure (Machined Well)
FT2630AE-04	134779	Wireless Immersion Temperature Sensor (4", No Well), NEMA 4X Enclosure

CUSTOM ORDERING

Model # Example: FT2630 (A.) A (B.) 04 (C.) SS (D.) 300 (E.)

		MODEL #
A. Sensor Series *No Selection Required*	**FT2630** →	**FT2630**
B. Enclosure *Select One (1)*	**A** = Standard Enclosure (Default) | **AE** = NEMA 4X Enclosure	
C. Probe Length *Select One (1)*	**02** = 2.5" Probe | **04** = 4" Probe | **06** = 6" Probe	
D. Thermowell *Select One (1)*	**----** = None (Default) | **SS** = Machined Thermowell	
E. Transmission Time *Select One (1)*	**----** = Every 75 Seconds (Default) | **300** = Every 300 Seconds	