



The TE200F, single point outside air temperature sensor utilizes a precision sensor. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. A sun and wind shield is integrated into the enclosure. The F is provided in a weatherproof aluminum enclosure, the FE in a round weatherproof ABS enclosure, the FX in a weatherproof ABS enclosure w/ hinged cover and the FP in a weatherproof PVC enclosure.



SPECIFICATION:

Sensor Type	Thermistor or RTD See Ordering Chart
Temperature Range	-50 to 100 °C (-58 to 212 °F) Higher Ranges Available Contact Greystone
Wire Material	PVC insulated, parallel bonded (Type 2, 100 ohm platinum uses FT-4)
Enclosure	F - Cast Aluminum - IP65 (NEMA 4X) FE - Round, ABS - UL94-5VB - IP65 (NEMA 4X) FX - Hinged Lid, ABS - UL94-5VB - IP65 (NEMA 4X) FP - PVC - IP65 (NEMA 4X) *In order to maintain the published NEMA/IP ratings, properly rated conduit or cable gland adapters must be used.
Termination	Pigtail 2 or 3 wire Terminal block with (E) enclosure

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200F	Outside Air Temperature Sensor c/w aluminum enclosure
TE200FE	Outside Air Temperature Sensor c/w Round ABS enclosure
TE200FX	Outside Air Temperature Sensor c/w ABS enclosure and hinged cover
TE200FP	Outside Air Temperature Sensor c/w PVC enclosure

TYPICAL INSTALLATION:

For complete installation and wiring details, please refer to the product installation instructions.

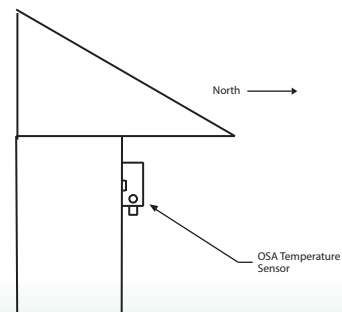
The TE200F, FE, FX and FP should be mounted on an outside north facing wall, under the eaves which will provide protection from direct sunlight.

The TE200F is mounted by extending a threaded end of the 1/2" conduit used for wiring through the building wall so that it extrudes at least 1-2" from the wall face. The sensor can be threaded directly onto the conduit until the unit is tight and pointing towards the ground. Remove access cover, feed wires through and connect.

The TE200FE, FX and FP can be mounted directly to buildings wall face using the provided mounting holes. A 0.85" hole for conduit connection is provided.

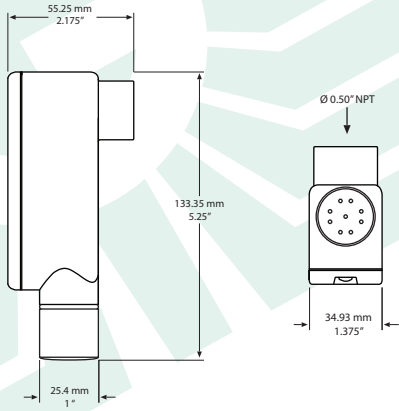
CODE	Sensor
2	100 Ω Platinum, IEC 751, 385 Alpha, thin film
5	1801 Ω, NTC Thermistor, ±0.2 C
6	3000 Ω, NTC Thermistor, ±0.2 C
7	10,000 Ω, type 3, NTC Thermistor, ±0.2 C
8	2.252K Ω, NTC Thermistor, ±0.2 C
12	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel, Class B, DIN 43760
14	10,000 Ω, type 3, NTC Thermistor, ±0.2 C c/w 11K shunt resistor
20	20,000 Ω, NTC Thermistor, ±0.2 C
24	10,000 Ω, type 2, NTC Thermistor, ±0.2 C

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

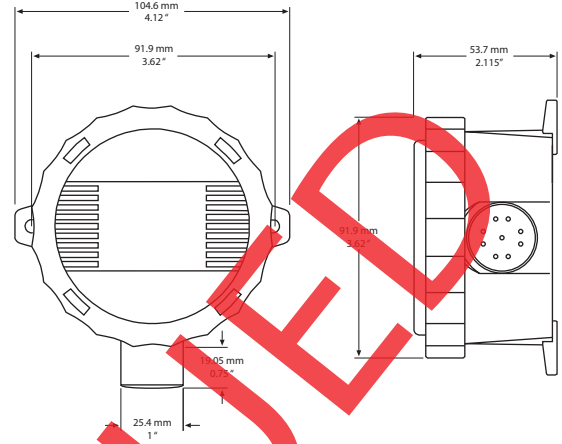


Dimensions:

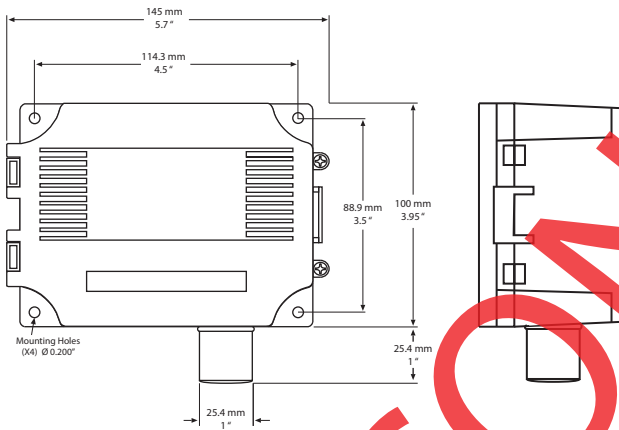
TE200F



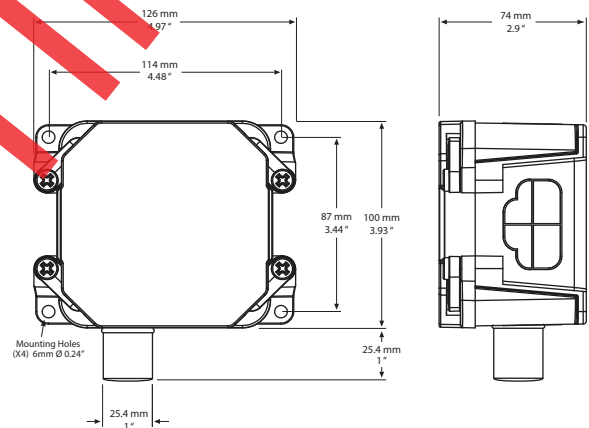
TE200FE



TE200FX



TE200FP



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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM