



GREYSTONE ENERGY SYSTEMS INC

FLEX-DUCT AVERAGE TEMPERATURE SENSOR TE200FD Series

The TE200FD flexible multi-point duct temperature sensor utilizes several precision sensors spaced at equal distances. The probe is FT6 plenum rated cable and is available in various lengths (see ordering chart). All probes are constructed to provide excellent heat transfer and a fast response. It is available with a variety of enclosures.

SPECIFICATION:

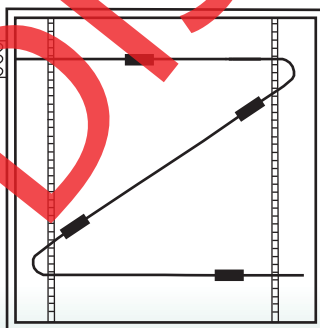
- Sensor Type Thermistor or RTD
See Ordering Chart
- Temperature Range... -20 to 60 °C (-4 to 140 °F)
..... Higher Ranges Available
Contact Greystone
- Wire Material FT-6 Plenum rated cable
- Enclosure Standard - ABS - UL94-5VB - IP61 (NEMA 2)
Round (E) - ABS - UL94-V5 B- IP65 (NEMA4X)
Metal (M) - Gal. Steel - IP50 (NEMA1)
Weatherproof (W) - Cast Alum. IP64 (NEMA3X)
*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

TYPICAL INSTALLATION:

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

The Flex-duct average probes are installed through a hole in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows for criss-crossing the duct multiple times. Install the probes in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

Each enclosure style provides mounting tabs for ease of installation.



Typical Installation



PART NUMBER SELECTED

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PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200FD	Mult-point Flex Duct Averaging Temperature Sensor

CODE	Enclosure (ABS enclosure is standard)
B	ABS enclosure
C	Aluminum weatherproof box
D	Metal utility box
E	Round ABS, w/gasketed cover

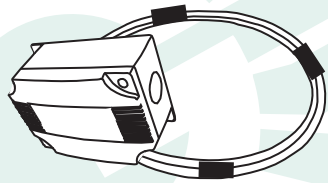
CODE	Sensor
2	100 Ω Platinum IEC 751, 385 Alpha, thin film
5	1801 Ω, NTC Thermistor, ±0.2 C
6	3000 Ω, NTC Thermistor, ±0.2 C
7	10,000 Ω, type 3, NTC Thermistor, ±0.2 C
8	2.252 KΩ, NTC Thermistor, ±0.2 C
12	PT1000-1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel, Class B, DIN 43760
14	10,000 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

CODE	Probe Length/Sensor quantity
A	1800 mm (6') (4 Sensors)
B	3600 mm (12') (4 Sensors)
C	6100 mm (20') (4 Sensors)
D	7300 mm (24') (9 Sensors)

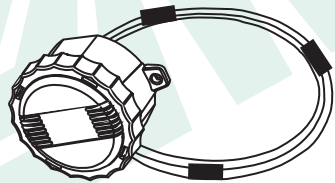
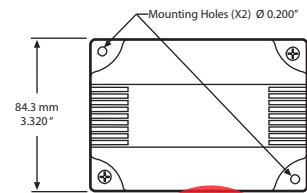
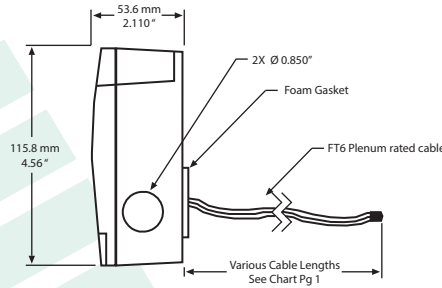
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

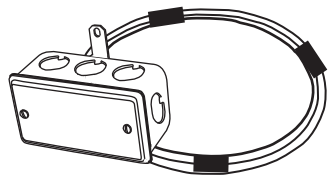
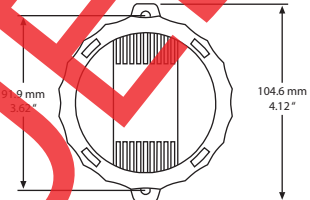
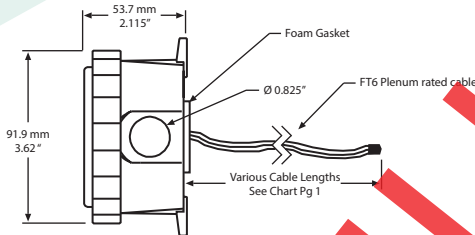
Dimensions:



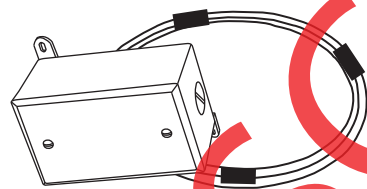
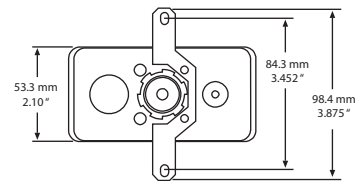
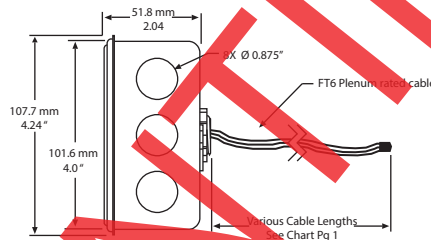
ABS Enclosure (B)



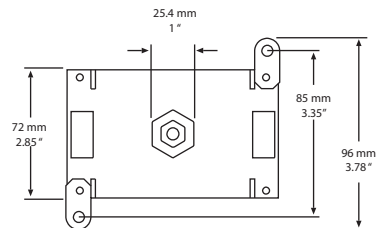
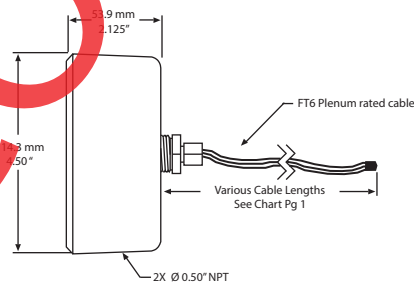
Round ABS Enclosure (E)



Metal Enclosure (D)



Weatherproof Enclosure (C)



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RoHS
 COMPLIANT



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