



# GREYSTONE ENERGY SYSTEMS INC

## RIGID DUCT AVERAGE TEMPERATURE SENSOR TE200DR Series

The DR series multi-point rigid duct average temperature sensor utilizes several precision sensors spaced at equal distances and encapsulated in 6.35 mm (0.25") OD, 304 series stainless steel probe and is available in various lengths (see ordering chart) All probes provide excellent heat transfer, fast response and resistance to moisture penetration. 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

Probe Material ..... 304 Series Stainless Steel

Probe Dimensions.....0.25" (6.35 mm) Diameter

Enclosure ..... Standard - ABS - UL94-5VB - IP64 (NEMA 2)  
Round (E) - ABS - UL94-V5B- IP65 (NEMA 4X)  
Metal (M) - Gal. Steel - IP50 (NEMA 1)  
Weatherproof (W) - Cast Alum. IP66 (NEMA 3X)  
\*In order to maintain the published NEMA/IP ratings, properly rated conduit or cable gland adapters must be used.

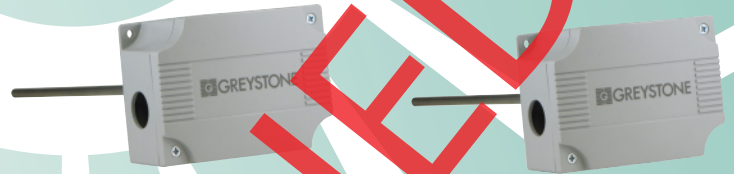
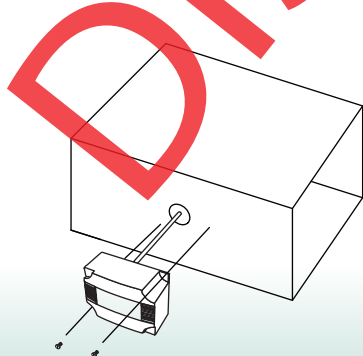
Termination ..... Pigtail 2 or 3 wire  
Terminal block with (E) enclosure

### TYPICAL INSTALLATION:

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

The rigid duct average type probes are installed in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows the probe to span the duct width. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

Each enclosure style provides mounting tabs on the outside of the enclosure for ease of installation.



### PART NUMBER SELECTED

### PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200DR	Rigid Duct Average Temperature Sensor

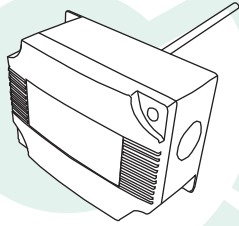
CODE	Enclosure (ABS enclosure is standard)
-	ABS enclosure, standard (no code required, leave blank)
E	Round ABS, w/gasketed cover
M	Metal utility box
W	Aluminum weatherproof box

CODE	Sensor
2	100 Ω Plat. 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	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 w/ 11K shunt resistor
20	20,000 Ω, NTC Thermistor, ±0.2 C
24	10,000 Ω, Type 2, NTC Thermistor, ±0.2 C

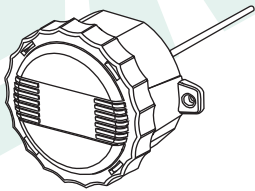
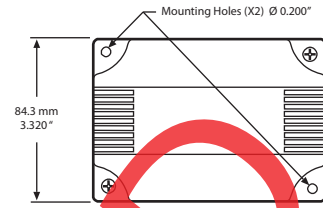
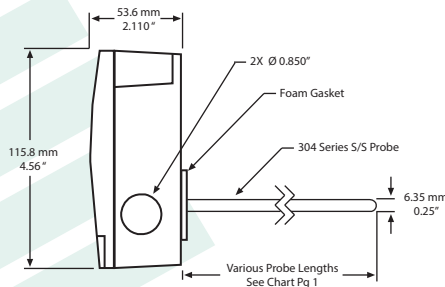
CODE	Probe Length
K2	450 mm (18")
L2	600 mm (24")
M2	900 mm (36")

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

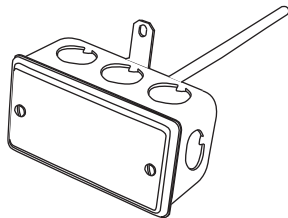
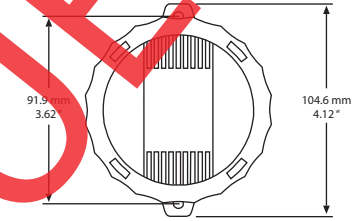
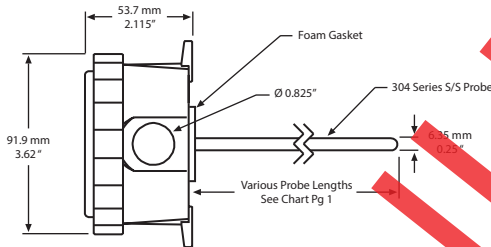
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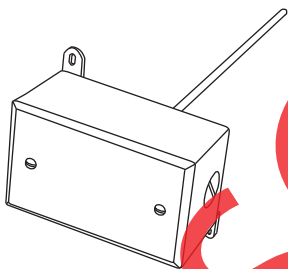
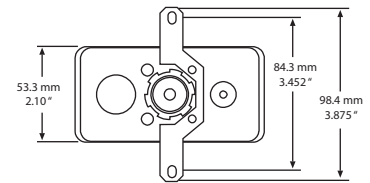
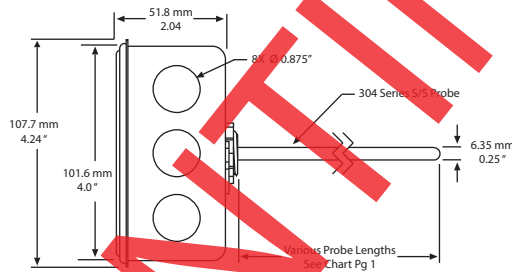
**ABS Enclosure**



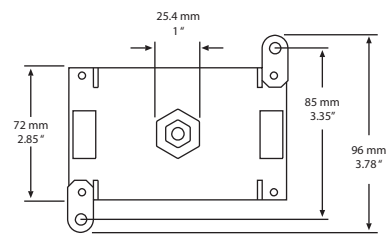
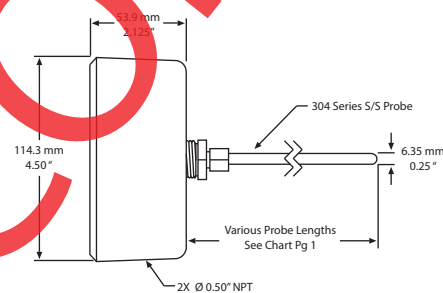
**Round ABS Enclosure (E)**



**Metal Enclosure (M)**



**Weatherproof Enclosure (W)**



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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