GREYSTONE
ENERGY SYSTEMS INC

The B series single point rigid duct temperature sensor utilizes a precision sensor that is 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.
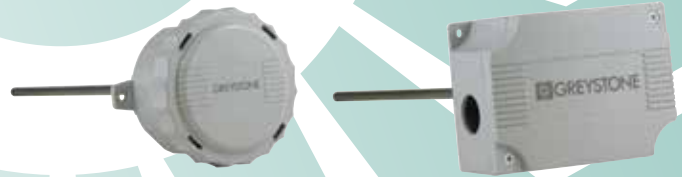
SPECIFICATION:

Sensor Type .... Thermistor or RTD
See Ordering Chart

Temperature Range...... -20 to 105 °C (-4 to 221 °F)
Higher Ranges Available
Contact Greystone

Wire Material................... PVC insulated, parallel bonded
(Type 2, 100 ohm platinum uses FT-4)

Probe Material .... 304 Series Stainless Steel

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

Enclosure.......................... Standard - ABS - UL94-5VB - IP61 (NEMA 2)
Round (E) - ABS - UL94-5VB - 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 duct type probes are installed in the side of the duct to monitor a single point 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**.**
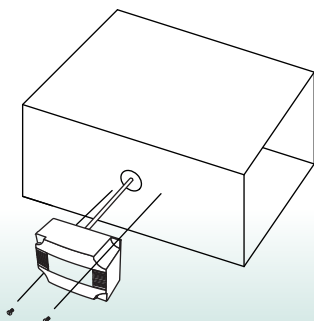
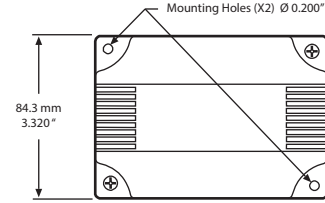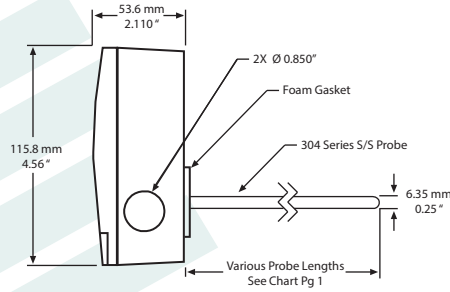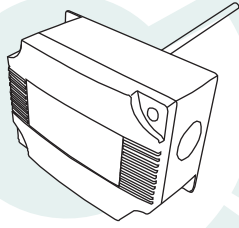## PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE200B	Duct Temperature Sensor

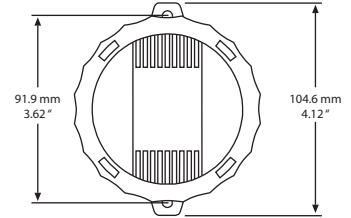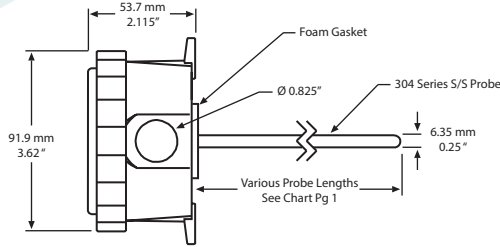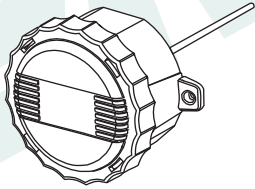| CODE	Enclosure (ABS enclosure is standard)
-	ABS enclosure, standard (no code required, leave blank)
E	Round ABS, w/gasketed cover
M	Metal utility box
W	Aluminum weatherproof box

CODE	Sensor
2	100 Ω 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	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel, Class B, DIN 43760
14	10,000 Ω, Type 3, NTC Therm., ±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
A2	50 mm (2")
B2	100 mm (4")
C2	150 mm (6")
D2	200 mm (8")
E2	300 mm (12")
F2	450 mm (18")

GREYSTONE ENERGY SYSTEMS, INC.

RoHS COMPLIANT

MADE IN CANADA

ISO9001

CE

Dimensions:

ABS Enclosure

53.6 mm
2.110"

2X Ø 0.850"
Foam Gasket
304 Series S/S Probe

115.8 mm
4.56"

6.35 mm
0.25"

Various Probe Lengths
See Chart Pg 1

Mounting Holes (X2) Ø 0.200"

84.3 mm
3.320"

Round ABS Enclosure (E)

53.7 mm
2.115"

Foam Gasket

Ø 0.825"
304 Series S/S Probe

91.9 mm
3.62"

6.35 mm
0.25"

Various Probe Lengths
See Chart Pg 1

91.9 mm
3.62"

104.6 mm
4.12"

Metal Enclosure (M)

51.8 mm
2.04

8X Ø 0.875"
304 Series S/S Probe

107.7 mm
4.24"

101.6 mm
4.0"

6.35 mm
0.25"

Various Probe Lengths
See Chart Pg 1

53.3 mm
2.10"

84.3 mm
3.452"

98.4 mm
3.875"
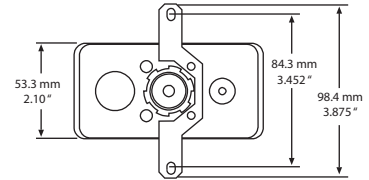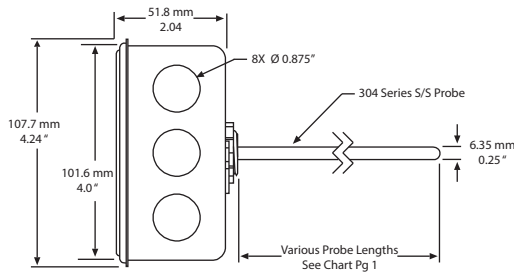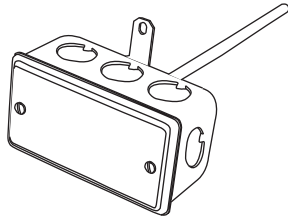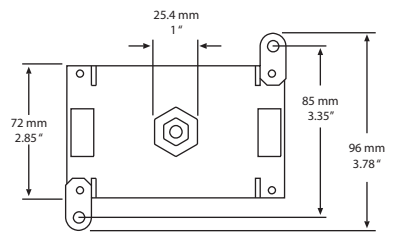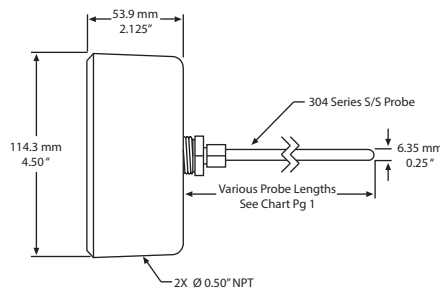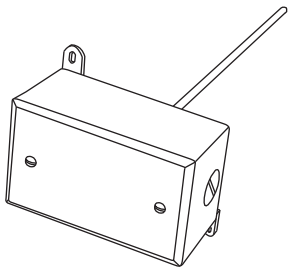
Weatherproof Enclosure (W)

53.9 mm
2.125"

304 Series S/S Probe

114.3 mm
4.50"

6.35 mm
0.25"

Various Probe Lengths
See Chart Pg 1

2X Ø 0.50" NPT

25.4 mm
1"

85 mm
3.35"

72 mm
2.85"

96 mm
3.78"

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

GREYSTONE
ENERGY SYSTEMS INC

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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