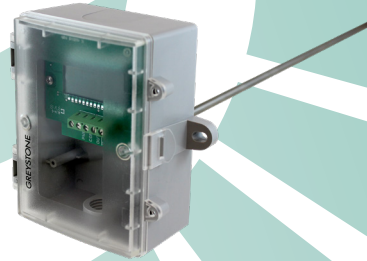


The single point duct/immersion temperature transmitter incorporates a precision platinum RTD encapsulated in a 6 mm (0.236") OD, 304 stainless steel probe and is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and resist moisture penetration. The transmitter provides a high accuracy signal with excellent long term stability, low hysteresis and fast response. It is available with various scaled ranges. A weatherproof Polycarbonate enclosure is included for ease of installation. An LCD is provided in either °C or °F (see ordering chart).



SPECIFICATIONS:

Sensor Type:.....1000 ohm platinum RTD
 Sensor Accuracy:.....±0.3°C (±0.94°F) @ 0°C (32°F)
 Wire Material:.....PVC insulated, parallel bonded, 22 AWG
 Probe Sensing Range:.....-20 to 105°C (-4 to 221°F)
 Probe Material:.....304 Series stainless steel
 Probe Diameter:.....6 mm (0.236")
 Wire Material:.....PVC insulated, parallel bonded, 22 AWG
 Standard lengths:.....50, 100, 150, 200, 300 and 450 mm
 (2", 4", 6", 8", 12" and 18")
 Output Signal:.....4-20 mA current loop, 0-5 vdc, or 0-10 vdc
 (factory configured)
 Transmitter Accuracy:.....±0.2% of span, including linearity
 Power Supply:.....15 to 30 Vdc, 12 to 28 Vac
 Consumption (max):.....20 mA for current, 11 mA for voltage
 Protection Circuitry:.....Reverse voltage protected and output limited
 Output Drive @ 24 Vdc:.....700 ohms max for current output,
 20K ohms min for voltage output
 LCD Display Units:.....°C or °F (factory configured)
 Display Range:.....3 digit for -88.8 to 888 as required
 Display Size:.....38.1 mm W x 16.5 mm H (1.5" to 0.65")
 Digit Height:.....11.4 mm (0.45") plus °C/°F symbol
 Ambient Operating Range:.....0 to 50°C (32 to 122°F), 0-95 %RH
 Enclosure:.....Grey polycarbonate UL94-V0, IP65 (NEMA 4X)
 F style includes thread adapter (1/2" NPT to M16)
 and cable gland fitting
 Wiring Connections:.....Screw terminal block (14 to 22 AWG)
 Country of Origin:.....Canada

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TDAP	All Purpose Duct/Immersion Temperature Transmitter with Display

CODE	Enclosure
B	Polycarbonate, with hinged & gasketed cover
F	Same as B, with thread adapter & cable gland fitting

CODE	Display Units
C	Celsius
F	Fahrenheit

CODE	Sensor
12	1000 Ω, Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, Class B

CODE	Probe Length
A	50 mm (2")
B	100 mm (4")
C	150 mm (6")
D	200 mm (8")
E	300 mm (12")
F	450 mm (18")

CODE	Output
A	4-20mA 2 or 3 wire
D	0-5 Vdc 3 wire
E	0-10 Vdc 3 wire

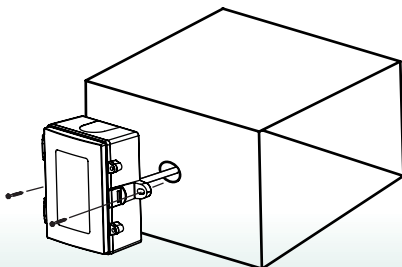
CODE	Scaled Range
001	0 to 35°C (32 to 95°F)
002	0 to 50°C (32 to 122°F)
003	0 to 100°C (32 to 212°F)

TYPICAL INSTALLATION:

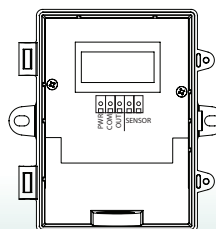
For complete installation and wiring details, please refer to the product installation instructions.

The duct type probes are installed through a hole in the side of the duct to monitor a single point temperature within the duct. Since the probes are tip sensitive, select a probe length that places the sensor well into the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

The enclosure provides mounting tabs for ease of installation.



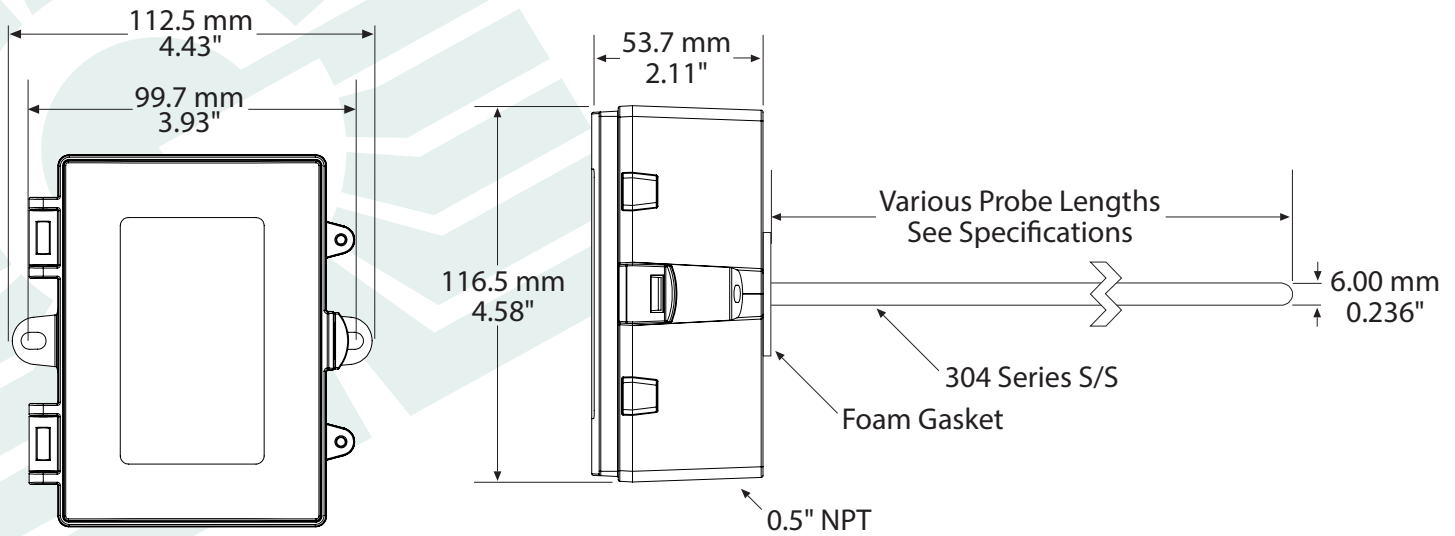
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



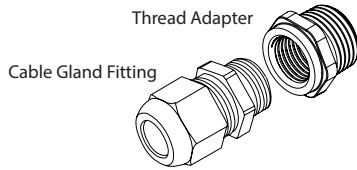
Wiring:

Terminal	Function
PWR	Power Supply
COM	Power Supply Common
TEMP (2)	Temperature Sensor Input
NO	Relay Output - Normally Open Contact
COM	Relay Common
NC	Relay Output - Normally Closed Contact

DIMENSIONS:



Included with F style enclosure



GREYSTONE

ENERGY SYSTEMS INC

Greystone Energy Systems, Inc.

150 English Drive, Moncton,
New Brunswick, Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014

North America: 1-800-561-5611

e-mail: mail@greystoneenergy.com

www.greystoneenergy.com

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