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PROBE TEMPERATURE SENSORS TS Series

Precision temperature control/sensing

FEATURES:

- Precision Thermistor or RTD
- Various configurations
- Compact ABS Enclosure



GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

SPECIFICATIONS:

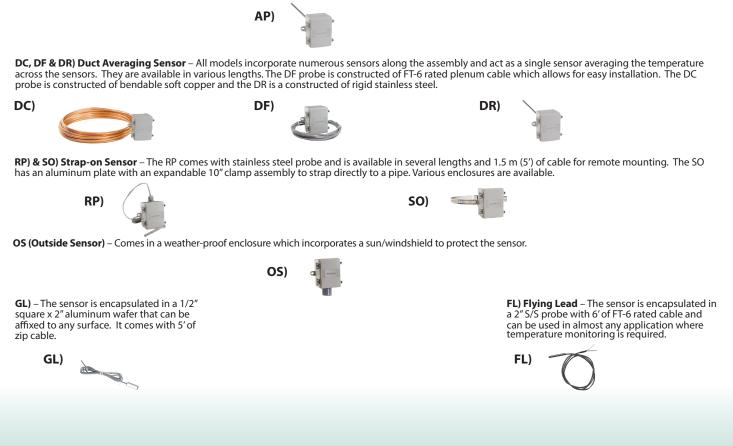
Sensor	Several thermistors, platinum or nickel RTD's available.
	See product ordering information
Sensor Accuracy	Thermistors: ±0.2°C (±0.36°F), 0 to 70°C (32 to 158°F)
	Platinum RTD's: ±0.3°C (±0.54°F) @ 0°C (32°F)
	Nickel RTD's: ±0.4°C (±0.72°F) @ 0°C (32°F)
Probe Sensing Range	AP, GL, RP, SO: -20 to 105°C (-4 to 221°F)
	DC, DF, DR, FL, OS: -20 to 60°C (-4 to 140°F)
Ambient Operating Range	40 to 50°C (-40 to 122°F)
Wire Material	AP, DR, RP, SO, GL: PVC insulated, parallel bonded, 22 AWG
	DC, DF, FL : FT-6 rated plenum cable, 22 AWG
Probe Material	AP, DR, FL, RP: 6.00 mm (0.236") O.D., 304 series stainless steel
	DC: 7.94 mm (0.3125") O.D. soft copper
	DF: FT-6 rated plenum cable
	SO: 2" x 2" aluminum plate
	GL: 0.5″ x 0.5″ x 2″ aluminum wafer
Enclosure s	A: Hinged cover - ABS - UL94-V0 - IP65 (NEMA 4X)
	C: Hinged cover - ABS, with terminal block
	E: Hinged cover - ABS, with thread adaptor (1/2" NPT to M16) and cable gland fitting
	Conduit connection - 1/2" NPT threaded connection
Wiring Connections	A: Pigtail, 2 or 3 wire
	C & E: Terminal block, 2 or 3 wire
Country of Origin	Canada

TS - PROBE TEMPERATURE SENSOR CONFIGURATIONS

FEATURES:

The TS temperature sensors offer a choice of precision platinum or nickel RTD's, or NTC Thermistors which can be interfaced with a computerized monitoring or control system. A wide variety of configurations are available such as:

AP) Duct/Immersion Sensor – The AP is for single point monitoring. Both are available with various probe lengths.

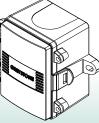


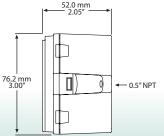


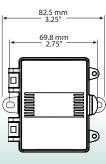
PRODUCT ORDERING INFORMATION:

MODEL	Product [Description	n								
TS		ure Sensor Series									
	CODE	Mountin									
	AP DC DF DR RP SO OS FL GL	Mounting Style All Purpose Duct/Immersion Duct Average, copper probe Duct Average, flexible cable Duct Average, rigid stainless steel probe Remote Probe - strap-on Strap-On – assembly clamps around pipe with aluminum plate with 254 mm (10") stainless clamp Outside Air Flying Lead Glass									
		CODE	Enclosure	2							
		A C E X	ABS with Same as A Same as C	ABS with hinged and gasketed cover Same as A, with terminal block Same as C, with thread adapter and cable gland Not Applicable (mounting styles FL & GL)							
			CODE	Sensor							
			02 05 06 07 08 12 13 14 20 24 59	100 Ω platinum, IEC 751, 385 alpha, thin film, 3 wire 1801 Ω, NTC thermistor, ±0.2 C 3000 Ω, NTC thermistor, ±0.2 C 10,000 Ω, type 3, NTC thermistor, ±0.2 C 2.252K Ω, NTC thermistor, ±0.2 C 1000 Ω platinum, IEC 751, 385 alpha, thin film 1000 Ω nickel, class B, DIN 43760 10,000 Ω, type 3, NTC thermistor, ±0.2 C c/w 11K shunt resistor 20,000 Ω, NTC thermistor, ±0.2 C c/w 11K shunt resistor 20,000 Ω, NTC thermistor, ±0.2 C 10,000 Ω, type 2, NTC thermistor, ±0.2 C 10,000 Ω @ 25°C ±1%, B=3435 ±1%							
				CODE	Probe Length	Lengths are applicable to these r	nounting styles				
TS	AP	A	12	X A B C D E F G H I J K L E	Not applicable 50 mm (2") 100 mm (4") 150 mm (6") 200 mm (8") 300 mm (12") 450 mm (12") 450 mm (24") 900 mm (36") 1800 mm (6') 3600 mm (12') 6100 mm (20') 7300 mm (24')	SO, OS, FL, & GL AP & RP AP & RP AP & RP AP & RP AP DR DR DC & DF DC & DF DC & DF DC & DF					
52.0 mm											



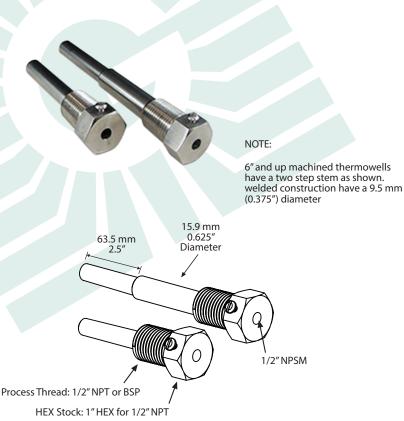


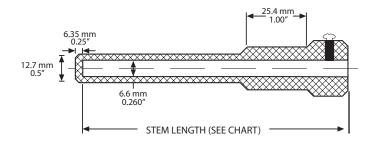






THERMOWELLS:





THERMOWELL PART NUMBERING SYSTEM

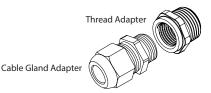
SERIES NUMBER	NPT THREAD SIZE		MATERIAL	STEM LENGTH
T2	1/2″	N=NPT B=BSP	P - 304 SS R - 316 SS	2" 4" 6" 8" 12" 18"

EXAMPLE:

T2 1/2 N P 4 4″ 304 STAINLESS THERMOWELL WITH 1/2″ NPT PROCESS THREAD

ACCESSORIES:

Thread adapter and cable gland fitting are included with the E style enclosure option.





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



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 leadingedge 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.

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