GREYSTONE
ENERGY SYSTEMS INC

FLYING LEAD TEMPERATURE TRANSMITTER
TXFL Series

The single point flying lead temperature transmitter utilizes a precision sensor encapsulated in 6.00 mm (0.236") OD X 50 mm (2"), 304 series stainless steel probe. Standard wire length is 3.05 m (10'). All probes are constructed to provide excellent heat transfer, fast response, and are potted to resist moisture penetration. A transmitter that provides a high precision signal with excellent long term stability, low hysteresis and fast response is provided.

SPECIFICATION:

Sensor Type	1000 ohm Platinum RTD
Sensor Accuracy	±0.3°C (±0.94°F) @ 0°C (32°F)
Probe Sensing Range	-20 to 60°C (-4 to 140°F)
Wire Material	FT-6 rated plenum cable, 22 AWG
Wire Length	3.05 m (10')
Probe Material	304 series stainless steel
Output Signal	4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured)
Transmitter Accuracy	±0.1% of span, including linearity
4-20 mA loop power supply	15-35 Vdc or 22-32 Vac
Minimum Loop Current	2 mA nominal (occurs with shorted sensor)
Maximum Loop Current	22.5 mA nominal (occurs with open sensor)
Maximum Loop Load	>600 ohms
0-5 Vdc Power Supply	10-35 Vdc or 10-32 Vac
0-10 Vdc Power Supply	15-35 Vdc or 15-32 Vac
Maximum Current (Voltage)	5 mA nominal
Maximum Output (Voltage)	limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 Vdc
Input Voltage Effect	Negligible over specified operating range
Protection Circuitry	Reverse voltage protected and output limited
Ambient Operating Range	0 to 50°C (32 to 122°F), 0 to 95% RH non-condensing
Enclosure	ABS - UL94-V0, IP65 (NEMA4X) E - 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

*This product is factory calibrated and any field adjustment will void the warranty.

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TXFL	Flying Lead Temperature Transmitter

CODE	Enclosure
A	ABS, with hinged & gasketed cover
E	Same as A, with thread adapter & cable gland fitting

CODE	Sensor
12X	1000 Ω, Platinum, IEC 751, 385 Alpha, thin film (Standard)

CODE	Output
A	4-20mA
D	0-5 Vdc
E	0-10 Vdc

CODE	Transmitter Calibrated Range
001	0 to 35°C (32 to 95°F)
002	0 to 50°C (32 to 122°F)
*	Custom Ranges Available

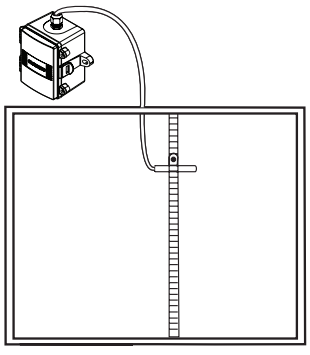
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

TYPICAL INSTALLATION:

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

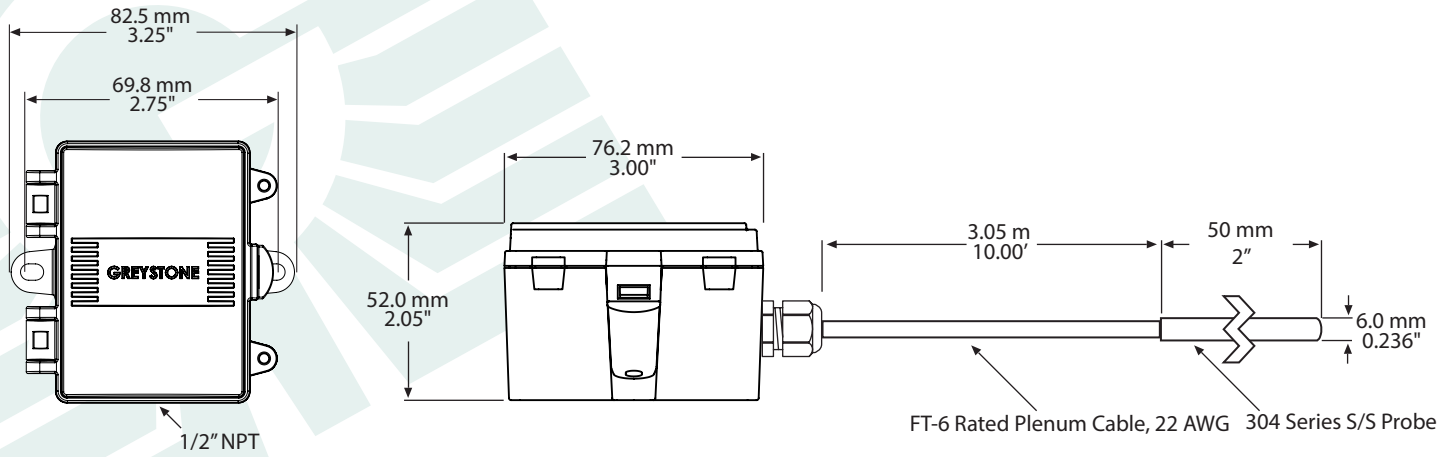
A typical application for the flying lead type probes is to monitor a single point temperature within the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices. Drill a 3/8 hole in the top of the duct and hang the sensor in the airstream.

The enclosure provides mounting tabs for ease of installation.

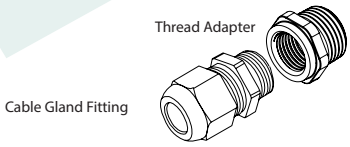


RoHS COMPLIANT

DIMENSIONS:



Included with E style enclosure



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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

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