

FLYING LEAD HIGH LIMIT THERMOSTAT THFL Series

The single point flying lead temperature thermostat incorporates a precision thermistor temperature sensor and provides a Form C relay output (NO/NC) with an adjustable setpoint. The sensor is encapsulated in a 6 mm (0.236") OD X 50 mm (2"), 304 series stainless steal probe. Standard wire length is 3.05m (10'). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. A weatherproof Polycarbonate enclosure is provided for ease of installation.



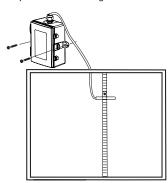
Power Supply:	12 to 28 Vac/dc
Consumption:	
Relay Contacts:	SPDT, Form C contacts (N.O. and N.C.)
·	5 Amps @ 30 Vac/250 Vac resistive
	1.5 Amps @ 30 Vdc/250 Vac inductive
Relay Action:	Activates on temperature rise
Setpoint Operation:	Single-turn knob-pot on PCB
Adjustable Setpoint:	38 to 60°C (100 to 140°F)
Setpoint Temperature:	Low/Mid/High jumper selectable
	Differential 1.1, 2.8, 5.6°C (2, 5, 10°F)
Temperature Sensor:	10K ohm curve matched precision thermistor
Sensor Accuracy:	±0.2°C, 0 to 70°C (±0.36°F, 32 to 158°F)
Probe Sensing Range:	20 to 60°C (-4 to 140°F)
Probe Material:	304 Series Stainless Steel
Probe Diameter:	6 mm (0.236")
Wire Material:	FT-6 Plenum-rated cable
Wire Length:	3.05 (10')
Operating Conditions:	10 to 50°C (14 to 122°F), 5 to 95% RH, non-condensing
Storage Conditions:	30 to 70°C (-22 to 158°F), 5 to 95% RH, non-condensing
Wiring Connections:	Screw terminal block (14 to 22 AWG)
Enclosure:	Grey Polycarbonate UL94-V0, IP65 (NEMA 4X)
	F style includes thread adapter (1/2" NPT to M16)
	and cable gland fitting
Country of Origin:	Canada

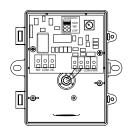
TYPICAL INSTALLATION:

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.





PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

ĺ	мо	DEL	Product Description							
	TH	FL	Flying Lead High Limit Transmitter							
			со	DE	Enclosure					
			Polycarbonate, with hinged & gasketed cover Same as B, with thread adapter & cable gland							
					co	DE	Sensor			
					24	4X	10,000 Ω, Type 2, NTC Thermistor, ±0.2°C			
							CODE	Transmitter Calibrated Range		
							02	38 to 60°C (100 to 140°F)		
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

Wiring:

Terminal PWR

Power Supply Power Supply Common COM TEMP (2) Temperature Sensor Input

Function

Relay Output - Normally Open Contact NO COM Relay Common NC

Relay Output - Normally Closed Contact

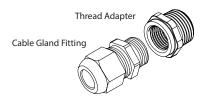








Included with F style enclosure













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(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.