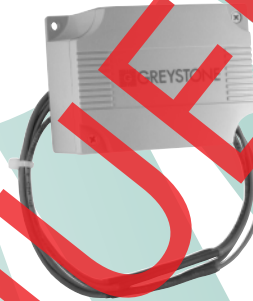




LOW LIMIT FLEX DUCT AVERAGE TEMPERATURE THERMOSTAT TTLDF Series

The TTLDF flexible, multi-point duct averaging temperature thermostat incorporates several precision thermistor temperature sensors and provides a Form C relay output (NO/NC) with an adjustable setpoint. The probe is FT6 plenum rated cable and is available in various lengths (see ordering chart). All probes are constructed to provide excellent heat transfer and a fast response. Two enclosure styles are available.



SPECIFICATION:

Power Supply..... 12 to 28 Vac/dc
Consumption..... 50 mA max
Relay Contacts..... SPDT, Form C contacts (N.O. and N.C.)
5 Amps @ 30 Vdc/250 Vac resistive
1.5 Amps @ 30 Vdc/250 Vac inductive
Relay Action..... Activates on temperature fall
Setpoint Operation..... Single-turn knob-pot on pcb
Adjustable Setpoint..... -4 to 10°C (25 to 50°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)
Temperature Range..... -20 to 60 °C (-4 to 140 °F)
Wire Material..... FT-6 Plenum rated cable
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
Enclosure..... (A) ABS, UL94-5VB, IP61 (NEMA 2)
(D) ABS, UL94-5VB, IP65 (NEMA 4X)
Wiring Connections..... Screw terminal block
(14 to 22 AWG)

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TTLDF	Low Limit Flex Duct Average Temperature Thermostat

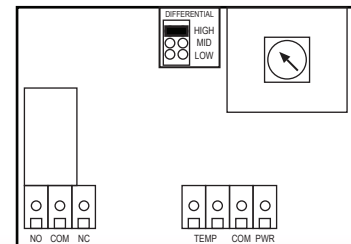
CODE	Enclosure
A24	ABS Enclosure
D24	ABS Enclosure, Hinged Cover

CODE	Cable Length
I	1800 mm (6')
J	3600 mm (12')
K	6100 mm (20')
L	7300 mm (24')

CODE	Adjustable Setpoint Range
1	-4° - 10°C (25 - 50°F)

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

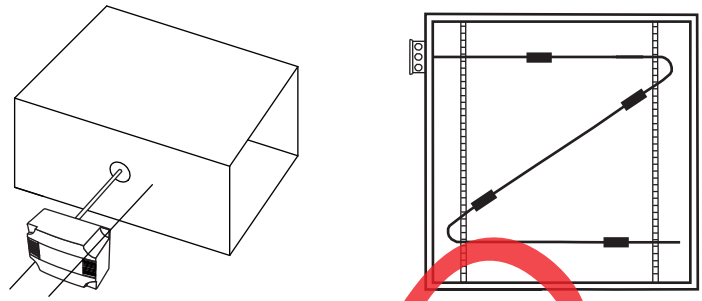


TYPICAL INSTALLATION:

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

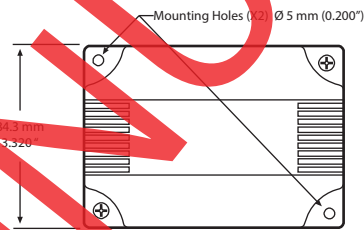
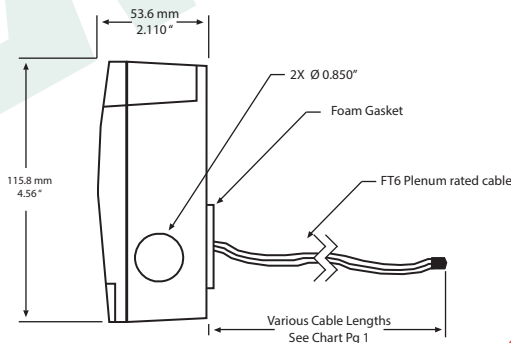
The Flex-duct average sensing cable is installed through a hole in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows for criss-crossing the duct multiple times. Install the probes in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification elements.

Each enclosure style provides mounting tabs on the outside for ease of installation.

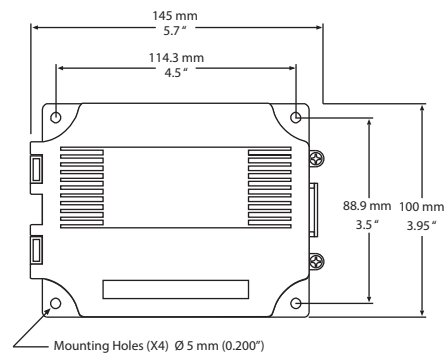
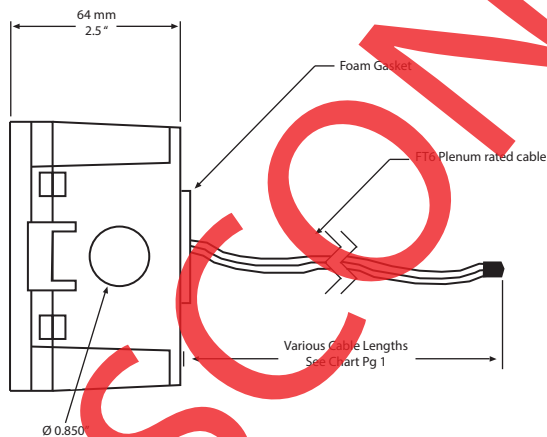


DIMENSIONS:

ABS Enclosure (A)



Hinged ABS Enclosure (D)



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



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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