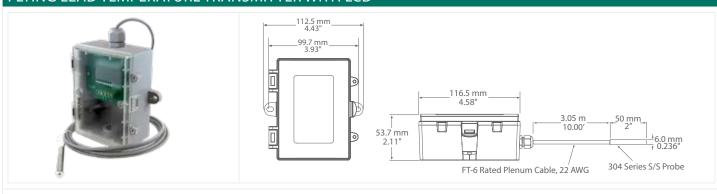


FLYING LEAD TEMPERATURE TRANSMITTER WITH LCD



TDFL SERIES

PRODUCT DESCRIPTION

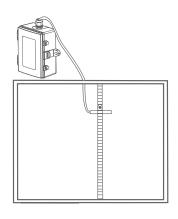
The single point flying lead temperature transmitter incorporates a precision platinum RTD encapsulated in a 50.8 x 6 mm (2" x 0.236") OD, 304 stainless steel probe. The probe provides excellent heat transfer, fast response and resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response for measurement of pipe temperatures. A hinged and gasketed Polycarbonate enclosure is provided for ease of installation. An LCD is provided in either °C or °F.

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.



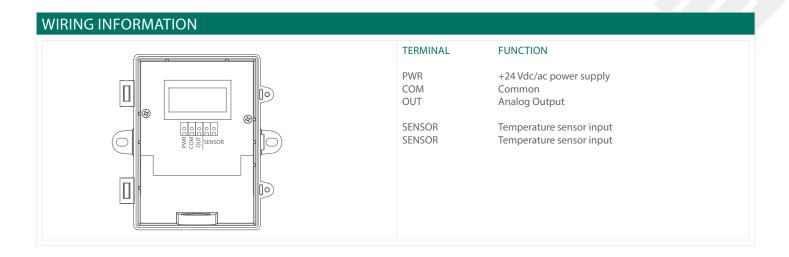
SPECIFICATIONS			
SENSOR TYPE	1000 Ω platinum RTD		
SENSOR ACCURACY	±0.3°C (±0.54°F) @ 0°C (32°F)		
PROBE SENSING RANGE	-40 to 60°C (-40 to 140°F)		
PROBE DIMENSIONS	50mm (2") x 6mm (0.236")		
PROBE MATERIAL	304 series stainless steel		
WIRE MATERIAL	FT-6 plenum rated cable		
WIRE LENGTH	3.05m (10')		
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	15-30 Vdc or 12-28 Vac		
CONSUMPTION (MAX)	Current: 20 mA Voltage: 11 mA		
RESOLUTION	0.1°C/°F		
MAXIMUM LOOP CURRENT	20 mA		
MINIMUM LOOP CURRENT	4 mA		
MAXIMUM LOOP LOAD	700Ω		
MAXIMUM CURRENT (VOLTAGE)	11 mA		
MAXIMUM OUTPUT (VOLTAGE)	10 Vdc		
INPUT VOLTAGE EFFECT	Negligible over specified operating range		
PROTECTION CIRCUITRY	Reverse voltage protected and output limited		
OUTPUT DRIVE @ 24 VDC	Current: 700Ω max Voltage: $20,000\Omega$ min		
LCD DISPLAY UNITS	°C or °F (factory configured)		
DISPLAY RANGE	3 digit Negative to Positive Range (-88 to 88) Positive Range <100 (88.8), >100 (888)		
DISPLAY SIZE	38.1mm W x 16.5mm H (1.5" x 0.65")		
DIGIT HEIGHT	11.4mm (0.45") plus °C/°F symbol		
AMBIENT OPERATING RANGE	0 to 50°C (32 to 122°F), 5 to 95 %RH		
ENCLOSURE	B: Grey polycarbonate UL94-V0, IP65 (NEMA 4X) F: Same as B with thread adapter (1/2" NPT to M16) and cable gland fitting		
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)		
COUNTRY OF ORIGIN	Canada		

ACCESSORIES - INCLUDED WITH F ENCLOSURE OPTION



THREAD ADAPTER 1/2" NPT TO M16





ORDERING			
PRODUCT TI	DFL	Flying Lead temperature Transmitter with Display	
ENCLOSURE	B F	Polycarbonate, with hinged and gasketed cover Same as B, with thread adapter and cable gland fitting	
DISPLAY UNITS	C F	Celsius Fahrenheit	
SENSOR 1	12X	1000Ω, Platinum, 2 wire, IEC 751, 385 Alpha, thin film, Class B	
	A D E	4-20 mA, 2 or 3 wire 0-5 Vdc, 3 wire 0-10 Vdc, 3 wire	
	001 002	0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F)	

PART NUMBER TDFL

 ${\sf NOTE: Greystone\ Energy\ Systems, Inc.\ reserves\ the\ right\ to\ make\ design\ modifications\ without\ prior\ notice.}$

