

HIGH ACCURACY DUCT AVERAGE TEMPERATURE TRANSMITTER WITH LCD **HATLDC Series**

The HATLDC duct averaging temperature transmitter incorporates numerous high accuracy platinum RTD's encapsulated in a 7.94 mm (0.3125") OD, soft copper probe and is available in various lengths. All probes provide 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 duct temperatures. A LCD is provided in either °C or °F.



SPECIFICATION:

Sensor	. 1000 ohm Platinum RTD
Accuracy	RTD Class A: ±0.15°C @ 0°C
,	RTD 1/3 DIN: ±0.1°C @ 0°C
	RTD 1/10 DIN: ±0.03°C @ 0°C
Probe Sensing Range	20 to 60°C (-4 to 140°F)
Wire Material	
Probe Material	.Soft copper
Probe Dimension	.7.94 mm (0.3125") Diameter
Output Signal	.4-20mA current loop, 0-5 vdc,
	or 0-10 Vdc (factory configured)
Transmitter Accuracy	.±0.25% of span, including
	linearity
Power Supply	. 4-20 mÁ: 15-35 Vdc or 22-32 Vac
	0-5 Vdc: 10-35 Vdc or 10-32 Vac
	0-10 Vdc: 15-35 Vdc or 15-32 Vac
Consumption	
	(On open sensor)
	Voltage: 5 mA nominal
Input Voltage Effect	
	operating range
	.Good RFI rejection of normal
	frequencies
Protection Circuitry	
6: 1 11:	and output limited
Display Units	
Display Range	_
	necessary
Display Size	. 24 mm x 11 mm (0.95" x 0.45")
Amphicut Ougarating Dange	
Ambient Operating Range	0-95% RH non-condensing
Enclosuro	. Grey ABS, UL94-VO, IP65 (NEMA
4X)	. Grey Ab3, 0134-10, 1803 (NEIVIA
Wiring Connections	Screw terminal block
Trining Confidentialis	. Jeiew terrinian block

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

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MOE	DEL	Product Description											
IATL	.DC	High	Accui	curacy Duct Average Temperature Transmitter with LCD Display									
		со			Displa								
		F				play °C play °F							
				СО	DE	Sensor							
				 18 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A 22 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 Dl 48 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 Dll 							ha, thin film, 1/10 DIN		
		'				DE	Probe Length		ngth	No. of Sensors			
						i	 	1800 3600 6100 7300	mm	(12') (20')	4 Sensors 4 Sensors 4 Sensors 9 Sensors		
					'			CODE		Output			
								A D E		Current 4 Voltage (0-5 VDC		
										CODE	Scaled Range		
										1 2	0 - 35°C (32 - 95°F) 0 - 50°C (32 - 122°F)		
	,		,	•	,	•			,	—			

(14 to 22 AWG)









07/17

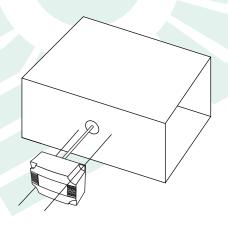
PS-HATLDC-01-01

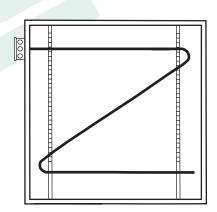
TYPICAL INSTALLATION:

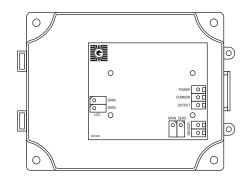
For complete installation and wiring details, please refer to the product installation instructions.

The duct average probes are 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 devices.

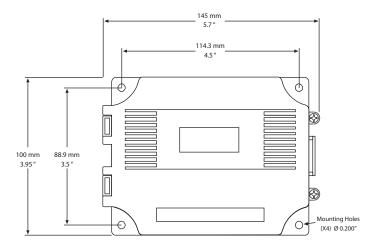
The enclosure provides mounting tabs or holes for ease of installation.

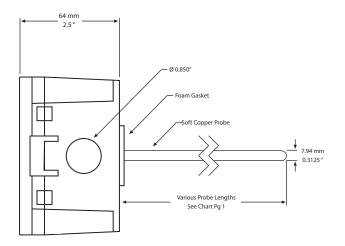






DIMENSIONS:





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



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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.