

## HIGH ACCURACY FLEX-DUCT AVERAGE TEMPERATURE SENSOR HATSDF Series

The HATSDF flexible multi-point duct average temperature sensor utilizes several high accuracy sensors space at equal distances. The probe is FT6 plenum rated cable and is available in various lengths. All probes are constructed to provide excellent heat transfer and a fast response. It is available with a variety of enclosures.

## **SPECIFICATION:**

Sensor Type .......Platinum RTD, 1000  $\Omega$ , 385 Alpha @ 0°C NTC Thermistor, 10,000  $\Omega$  @ 25°C, Type 2 or 3 NTC Thermistor, 20,000  $\Omega$  @ 25°C

Temperature Range.. ..... -20 to 60 °C (-4 to 140 °F)

Higher Ranges Available Contact Greystone

NTC Thermistor Type 39:  $\pm 0.05^{\circ}$ C, 0-70°C NTC Thermistor Type 55:  $\pm 0.03^{\circ}$ C, 0-70°C NTC Thermistor Type 40/46:  $\pm 0.1^{\circ}$ C, 0-70°C

Wire Material .....FT-6 Plenum rated cable

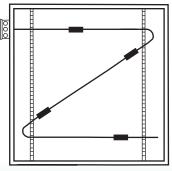
Termination ...... Pigtail 2 or 3 wire



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

The Flex-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.

Each enclosure style provides mounting tabs for ease of installation.



Typical Installation



#### **PART NUMBER SELECTED**

## Round (E) - Grey ABS - UL94-V0 - IP65 (NEMA 4X) PRODUCT SELECTION INFORMATION:

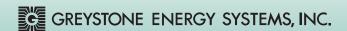
CODE	Product Description	
HATSDF	HATSDF High Accuracy Flex-Duct Average Temperature Sensor	

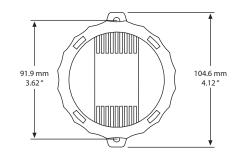
	CODE	Enclosure	Enclosure			
	E Round ABS, P PVC Weathe		i, with gasket cover erproof			
		CODE	Sensor			
18 48		1000 $\Omega$ Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, Class A 1000 $\Omega$ Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, 1/3 DIN				
		22 41	1000 $\Omega$ Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, 1/10 DIN 1000 $\Omega$ Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, Class A			
		49 50	1000 $\Omega$ Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 $\Omega$ Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, 1/10 DIN			
39 55		10,000 Ω, Type 2, NTC Thermistor, ±0.05 C 10,000 Ω, Type 2, NTC Thermistor, ±0.03 C				
		40 46	10,000 $\Omega$ , Type 3, NTC Thermistor, $\pm 0.1$ C 20,000 $\Omega$ , NTC Thermistor, $\pm 0.1$ C			
			CODE	Probe Length		
			l J	1800 mm (6') 3600 mm (12')		
			K L	6100 mm (20') 7300 mm (24')		



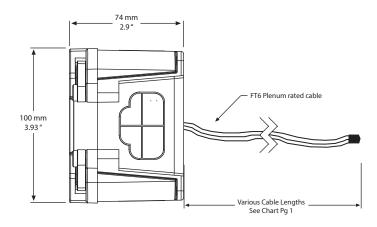


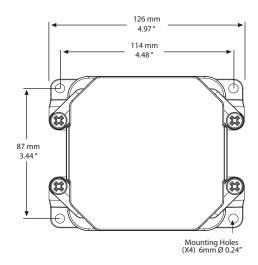






### **PVC Enclosure (P)**







# GREYSTONE

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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.

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