

# RIGID DUCT AVERAGE TEMPERATURE SENSOR TSDR Series

The multi-point rigid duct average temperature sensor utilizes several precision sensors spaced at equal distances and encapsulated in 6 mm (0.236") OD, 304 series stainless steel probe and is available in various lengths (see ordering chart). All probes provide excellent heat transfer, fast response and resistance to moisture penetration.

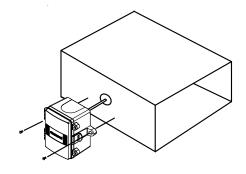
# **SPECIFICATION:**

## **TYPICAL INSTALLATION:**

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

The rigid duct average type probes are installed in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows the probe to span the duct width. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

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





### **PART NUMBER SELECTED**

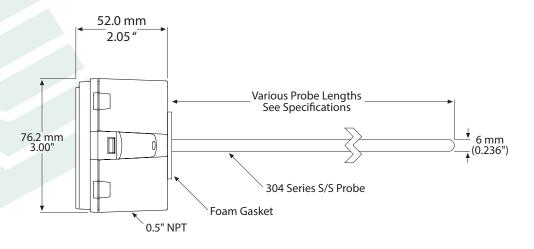
# PRODUCT SELECTION INFORMATION:

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MODEL	Product Description				
TSDR	Rigid Du	Rigid Duct Average Temperature Sensor			
	CODE	DE Enclosure			
	A C E	C Same as A, with terminal block			
		CODE	Sensor		
		02 05 06 07 08 12 13 14 20 24	$100~\Omega~Platinum, IEC~751, 385~Alpha, thin film, 3~wire \\ 1801~\Omega~NTC~Thermistor, \pm 0.2°C \\ 3000~\Omega, NTC~Thermistor, \pm 0.2°C \\ 10,000~\Omega, Type~3, NTC~Thermistor, \pm 0.2°C \\ 2.252K~\Omega, NTC~Thermistor, \pm 0.2°C \\ 1000~\Omega~Platinum, IEC~751, 385~Alpha, thin film \\ 1000~\Omega~Nickel, Class~B, DIN~43760 \\ 10,000~\Omega, Type~3, NTC~Thermistor, \pm 0.2°C c/w~11K~shunt~resistor \\ 20,000~\Omega, NTC~Thermistor, \pm 0.2°C \\ 10,000~\Omega, Type~2, NTC~Thermistor, \pm 0.2°C \\ 10,000~\Omega~25°C, \pm 1\%, B = 3435~\pm 1\%~(25/85)$		
			CODE	Probe Length	
			F G H	450 mm (18") 600 mm (24") 900 mm (36")	
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.







Included with E style enclosure













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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.