Duct Temperature Sensors OE230 (6" Probe) & OE231 (12" Probe)

Caution!

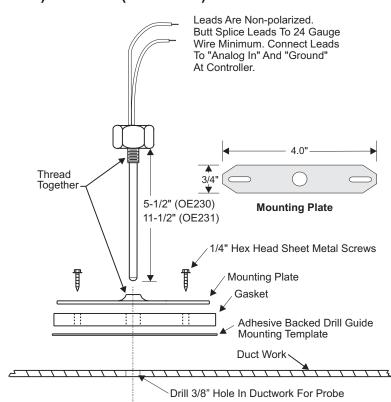
The Duct Sensor Is Used For Sensing Supply Or Return Air Temperatures. Location Of The Sensors Is Very Important In Order To Obtain Accurate Temperature Readings. The Following Recommendations Should Be Followed:

Supply Air When Used As A Supply Air Sensor The Sensor Should Be Mounted In The Supply Air Duct As Close To The HVAC Unit As Possible And Upstream Of The Bypass Damper (If Used) For Best Results. For Best Accuracy, Apply Insulation On The Outside Of The Ductwork Over The Sensor. This Will Help Thermal Gradients From Affecting The Sensor.

Return Air

When Used As A Return Air Sensor The Sensor Should Be Mounted In The Return Air Duct As Close To The HVAC Unit As Possible And Upstream Of The Bypass Damper (If Used) For Best Results. For Best Accuracy, Apply Insulation On The Outside Of The Ductwork Over The Sensor. This Will Help Thermal Gradients From Affecting The Sensor.

See The Systems Installation And Operation Manual For Other Design Considerations And Recommendations Regarding Duct Temperature Sensor Location.



*Chart Notes:

1. Use the resistance column to check the thermistor sensor while disconnected from the controllers (not powered).

2. Use the voltage column to check sensors while connected to powered controllers. Read voltage with meter set on DC volts. Place the "-"(minus) lead on GND terminal and the "+"(plus) lead on the sensor input terminal being investigated. If the voltage is above 5.08 VDC, the sensor or wiring is "open." If the voltage is less than 0.05 VDC, the sensor or wiring is shorted.

Technical Specifications		
Sensor Element:	Type III Thermistor 10k ohm @ 77°F	
Accuracy:	$\pm0.4^{\rm o}F$ between 40° F to 95° F	
Range:	-30° F to 150° F	

Notes:

1.)All Wiring To Be In Accordance With Local And National Electrical Codes And Specifications.

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PAGE	DESCRIPTION:		
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1	Duct Temperature Sensor		