

Installation Guide

Mounting

The averaging sensor incorporates several sensors encapsulated at equal distances across the length of the probe. The complete assembly acts as a single sensor to monitor the average temperature in a duct. Averaging elements are recommended for non-condensing humidity applications.

The sensors can be installed onto hangers in the duct using tube clamps or wire ties. They should be located in a straight section of duct away from heating, cooling or humidifier elements.



1. Cut a hole in the duct large enough for the 1/2" (13 mm) electrical fitting.
2. Insert the sensor into the duct.
3. Fasten the assembly to the ducting by threading screws through the mounting holes in the case.
4. Bend the probe to cover the air path, and secure as needed. Maintain a minimum bend radius of six inches to prevent damage to the wires or sensors.

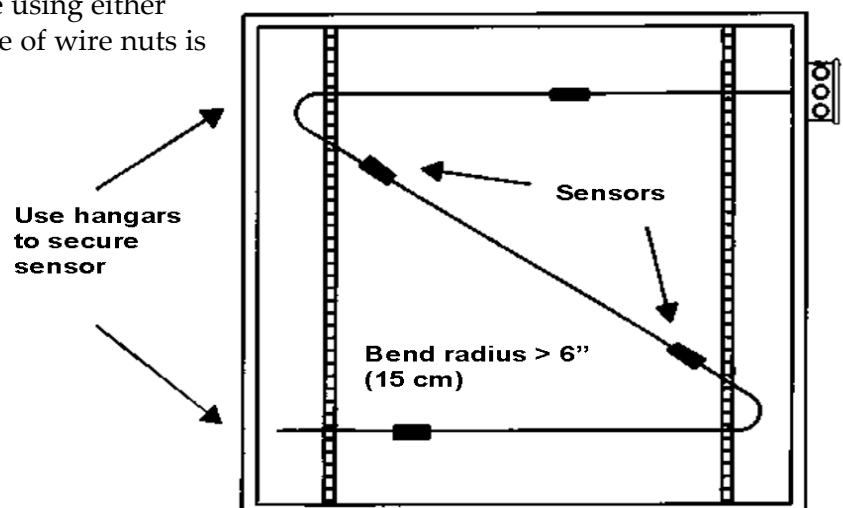
Wiring

All 2-wire sensors are polarity insensitive.

1. Feed wires through the conduit (top or side) opening.
2. Connect to terminals.

NOTE: All connections should be made using either butt-splices or soldering. The use of wire nuts is not recommended.

Placement of 12 foot (3.66 m) Duct Averaging Sensor in a 48" (1.22 m) square duct.



Specifications

Standard Lengths	6', 12', 20', 24' (1.83 m, 3.66 m, 6.09 m, 7.32 m)
Temperature Range	
Operating	-4° to 221° F (-20° to 105° C)
Sensor	Type 3 10 K ohm at 77° F (25° C)

Maintenance

No routine maintenance is required. Each component is designed for dependable, long term reliability and performance. Careful installation will also ensure long term reliability and performance.

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