SIEMENS

Installation Instructions
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Duct Point Temperature Sensor

Product Description

The Duct Point Temperature Sensor provides a temperature input to a controller.

Product Numbers

Product Number	Sensing Element
QAM2030.XXX	10K Ω NTC Type II
QAM2032.XXX	10K Ω NTC Type III
QAM2012.XXX	1K Ω Pt (385α)
QAM2020.XXX	1K Ω Ni Siemens
QAM2021.XXX	1K Ω Ni JCI
.XXX	**Insertion Length in Inches (mm)**
.010	4 (101.6)
.020	8 (203.2)
.045	18 (457.2)

Required Tools

- Drill with 13/32-inch (10.3 mm) bit
- Power screwdriver with standard screw chuck or medium flat-blade screwdriver
- Wire cutter/stripper

Expected Installation Time

45 minutes

Prerequisite

The appropriate field wiring, within the maximum wiring length, should be routed through the conduit.

Installation

NOTE: All wiring must comply with National Electric Code (NEC) and local regulations.

1. Drill a 13/32-inch (10.3 mm) hole into the duct at the desired location of the sensor. See Figure 1.
2. Remove the conduit box cover and remove gasket. Assemble gasket onto sensor assembly. See Figure 1.
3. Insert the sensor tube into the hole.
4. Hold the conduit box against the duct and secure the sensor to the duct with the two No. 18-8 self-tapping sheet metal screws supplied with the sensor.
5. Attach the flexible conduit and field wiring to the conduit box. Ensure that the conduit and field wiring have enough length to allow the installation/removal of the sensor assembly.

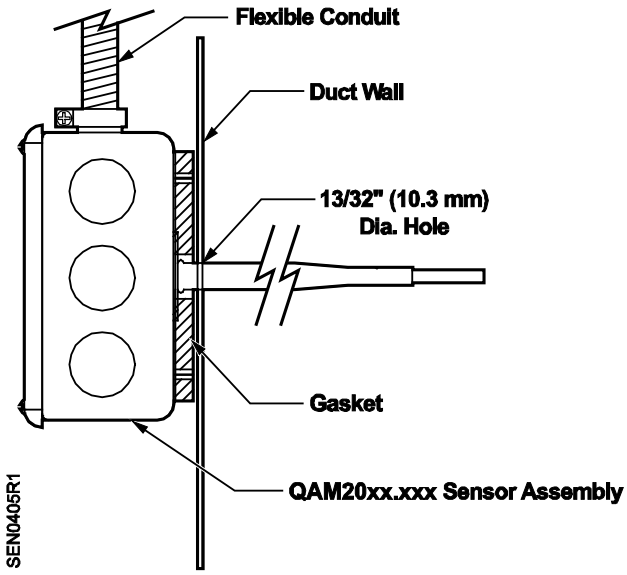
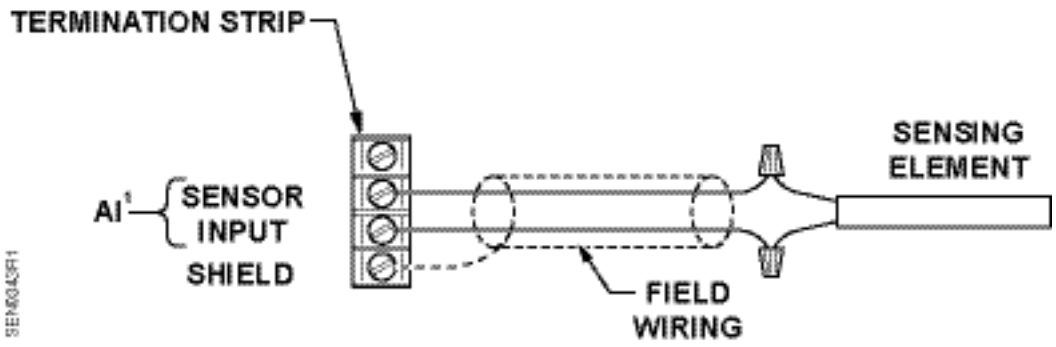


Figure 1. Duct Point Sensor Installation.

6. Using the wire nuts provided, attach the sensor wires to the field wiring in the conduit box.
7. Replace the conduit box cover.
8. Connect the field wires to the controller. See Figure 2.

The installation is now complete.



1. Configure the analog input (AI) point for sensor input.

Figure 2. Wiring to the Controller.

NOTE: 1. Some controllers may require a shield termination.

2. For individual panel wiring details, see the appropriate controller manual.

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