

## Commissioning Sensor

### Product Description

The Commissioning Sensor is a cost-effective discharge air sensor used with controllers. It is designed to be installed quickly into metal ductwork and to connect to the controller's auxiliary sensor port to provide a discharge air temperature point for use with automated commissioning tools. The sensor's resistance varies proportionally to the actual duct air temperature being measured.

**NOTE:** This sensor is not recommended for closed-loop control or for applications where precise temperature monitoring is required.

The shipping carton contains 50 Commissioning Sensor Kits. Each kit contains one thermistor probe with gasket assembly with 8-foot plenum-rated cable and terminal plug. See Figure 1.

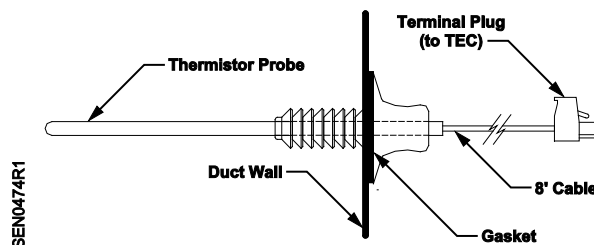


Figure 1. Commissioning Sensor.

### Product Numbers

QAM1030.008P50 10K  $\Omega$  (orange leads)

QAM1035.008P50 100K  $\Omega$  (brown leads)

**NOTE:** An RJ-11 jack **SHOULD NOT** be added to the 10K sensor leads for input into an RTS port on a Siemens Terminal Equipment Controller. The resulting sensor will not work in this configuration, and is only designed for use by an auxiliary input.

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### Required Tools

- Electric drill
- Eye Protection
- Drill Bit: 9/32" to 5/16"

### Expected Installation Time

5 minutes

### Prerequisites

- All wiring must conform to National Electrical Code (NEC) and local codes and regulations.
- Terminal box and ductwork installed.

### Installation

**NOTE:** Follow all safety regulations and local codes when installing this equipment.

1. Determine a location for installation downstream from the damper and temperature control devices such as heating coils, etc. Make sure the 8-foot cable can reach the controller.

**NOTE:** A straight portion of duct works best to ensure airflow over the sensor.

2. Wearing eye protection, drill a 9/32" to 5/16" diameter hole in the duct where the sensor is to be installed.
3. Press the thermistor probe into the hole until the gasket is slightly compressed and the thermistor probe is seated securely.
4. Plug the sensor cable terminal block into the auxiliary AI point of the controller.

The installation is complete.