

## Commissioning Sensor



### 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.

### Applications

The controller uses the commissioning sensor when a simple indication of duct temperature change is needed. These sensors are also well-suited for proofing HVAC equipment in heating and cooling applications prior to the installation of room sensors.

The commissioning sensor is not recommended for closed-loop control or for applications where precise temperature monitoring is required.

**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.

### Specifications

#### Temperature Monitoring Range

10,000 ohms	-40°F to 248°F (-40°C to 120°C)
100,000 ohms	39.2°F to 158°F (4°C to 70°C)
Output Signal	Changing resistance

#### Calibration Point Information

Factory Calibration Point	77°F (25°C)
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Accuracy @ 77°F	± 5°F (± 3°C)
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Thermistor Resistance @ 77°F (25°C)	100,000 Ω 10,000 Ω (See <b>NOTE</b> )
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Installation/Calibration Adjustment	None required
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#### Cable Specs

Wire gauge	24 to 28 AWG
Plenum-rated	Yes

#### Sensor Dimensional Specs

Probe Length	Insertion: 3.0 in. (76.2 mm) Overall: 3.63 in. (92.2 mm)
Installation cable length	8 feet (2.44 m) nominal

### Ordering Information

QAM1030.008P50	Duct Temperature Sensor, NTC 10K Ω Type 2, 3" Probe for Commissioning Only
QAM1035.008P50	Duct Temperature Sensor, NTC 100K Ω Type 2, 3" Probe for Commissioning Only

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