



OptiNet® Optimizing Ventilation Performance



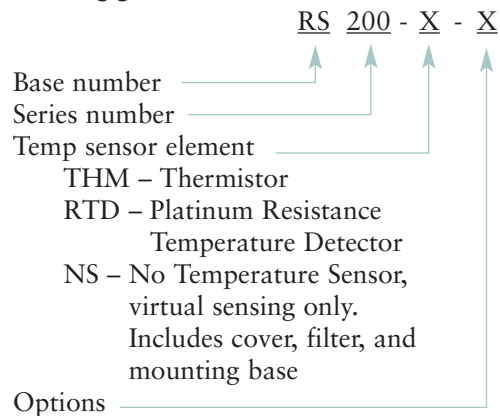
FEATURES

- Flush mounted cover with custom painting options
- In-line Stainless Steel Coarse filter
- Thermistor or RTD sensing elements
- Provides MicroDuct® termination point, enabling virtual sensing

RS200 Room Sensor

The RS200 Room Sensor interfaces to the ADR400 Air Data Router for discrete room level sensing of temperature, and for drawing air samples back to the SST700 Sensor Suite through the patented MicroDuct® communications path. Depending on the configuration of the Sensor Suite, many additional environmental parameters can be monitored “virtually” such as carbon dioxide (CO2), carbon monoxide (CO), dewpoint temperature, relative humidity (RH); small particles, and total volatile organic compounds (TVOCs). The sensor is designed with an architecturally pleasing flush mounted cover that can be optionally painted to match the interior room finishes.

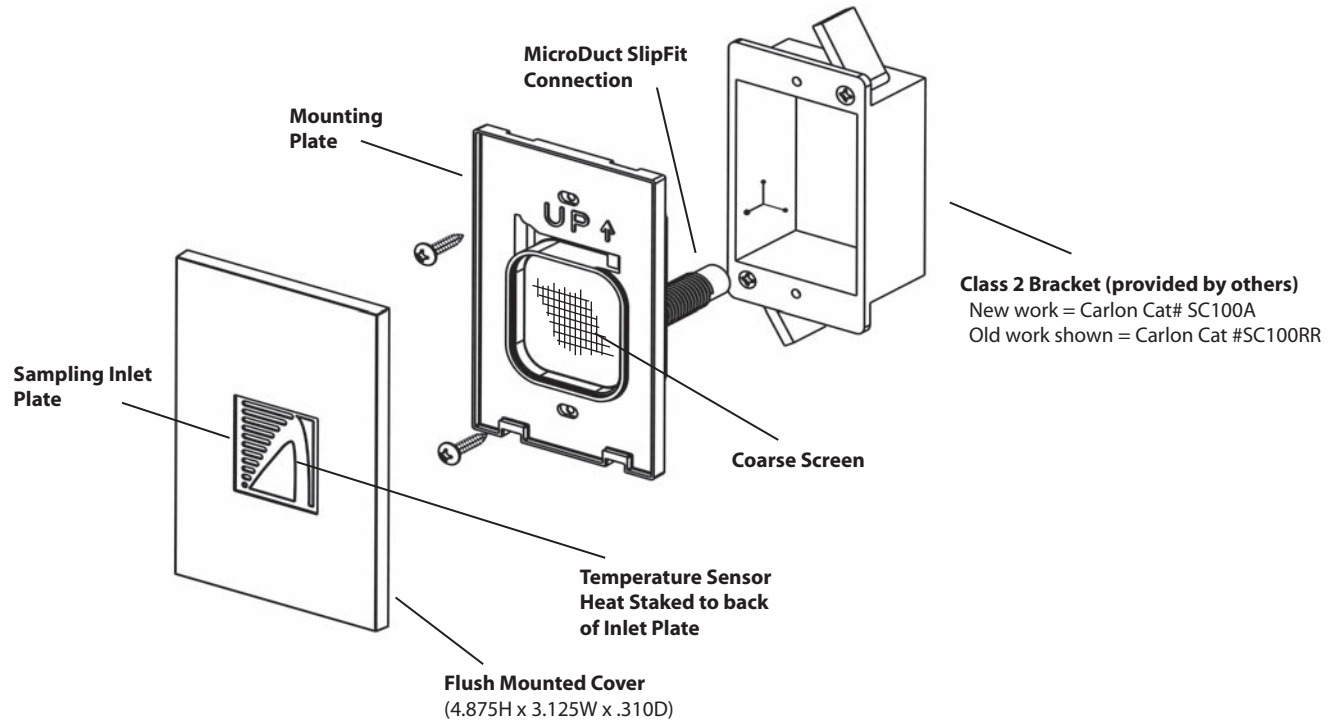
Ordering guide



Blank = no options.

NA = No Aircurity name on cover.

CPC = Custom Painted Cover.



SPECIFICATIONS

Electrical

Power: Thermistor and RTD model:
± 12 Vdc from ADR400 Air Data Router
NS (No Sensor) model: no power required

Power Consumption:
Thermistor and RTD model: 0.25 VA
NS (No Sensor) model: 0.0 VA

Sensors

Temperature:
Thermistor: range 30° – 120° F (-1° – 49°C)
Accuracy: ± .75°F (± .42°C)

Platinum RTD: range -30° – 130°F (-34° – 54°C)
Accuracy: ± 0.30°F (± .17°C)

Virtual: Refer to the Sensor Suite Sensors data sheet.

Connections

Wiring: 4-position screw-down connector
MicroDuct: Slip fit

Materials

Cover: UL listed molded polycarbonate
Sampling Plate: clear anodized aluminum
Screen: stainless steel