

Snap-In Air Temperature Sensor

Features:

- General purpose air temperature sensor
- Available in a variety of thermistor values and curves
- Easy installation - just snaps into 14 to 18 gauge sheetmetal
- Excellent thermal response
- Cost efficient design
- Sturdy construction

Description:

SS&C has developed a unique sensor that is capable of accurately monitoring air temperature within an enclosure. Until now, the most common technique for this type of application was to use a surface mounted sensor. The result was a product which did not accurately sense air temperature but rather sensed the temperature of the sheet metal to which it was attached. The SS&C Snap-In air temp sensor integrates a fast response thermistor element into a potted metal housing with a special clip design that allows the housing to be easily and securely snapped into a 0.30" diameter pre-drilled hole in the sheet metal. A plastic molded body thermally isolates the assembly from the environment on the backside of the assembly while adding a degree of strain relief. The assembly uses low cost materials and efficient production techniques; this allows for a low cost assembly that is simple to use and extremely accurate and responsive. And since no tools are needed to install the Snap-In air temp sensor, both time and money can be saved in production and field service environments.

The Snap-In air temp sensor comes standard with 10ft. AWG#22, PVC insulated leads. Please contact the factory for specific design or application information or the availability of options.

Ordering Information

| SS&C Part Number | R ₂₅ (Ω) | Material Curve |
|------------------|---------------------|----------------|
| D2253SC22P0 | 2,252 | Z |
| D3003SC22P0 | 3,000 | Z |
| D5003SC22P0 | 5,000 | Z |
| D1004SC22P0 | 10,000 | Z |

Standard resistance tolerance is ±2% at 25°C. Resistance versus temperature information for material curve Z can be found on page 59.



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