Temperature Sensors

T775 Series 2000 Sensors

A family of general use, simple to use, broadly featured electronic temperature and universal controllers for use in HVAC, agricultural, and industrial applications.

- Use the T775-SENS-OAT to measure outside air temperature.
- Some typical applications for the 50021579-001 and T775-SENSWT/WR sensors include:
- Monitoring return air temperatures
- Monitoring discharge air temperatures
- Monitoring mixed air temperatures
- All sensors:
- Fast response time and highly accurate
- 1/2 in. (6.35 mm) stainless steel probe with a thermally conductive epoxy
- 1,097 Ohms PTC at 77ÞF (25C)
- The 50021579-001 is a standard temperature sensor for indoor applications
- The T775-SENS-WR is a water resistant sensor with 5 ft leads
- The T775-SENS-WT is a water tight sensor with 6 ft leads
- The T775-SENS-OAT is for sensing outdoor air temperature and is housed in a weatherproof case for outdoor use (knockouts allow for 1/2 in. conduit connection)
- Two year warranty

Application: For indoor use in applications such as monitoring return air, discharge air, and mixed air temperatures
Used With: T775 Series 2000

Product Number	Application	Sensor Type	Operating Temperature Range (F)	(C)	Dimensions, Approximate (inch)	(mm)	Description
50021579-001/U	For indoor use in applications such as monitoring return air, discharge air, and mixed air temperatures	1097 ohm @ 77 F PTC	-40 F to 270 F	-40 C to 132 C	2 in. long x 1/4 in. dia probe with 9 in. lead	51 mm long x 6 mm dia probe with 227 mm lead	Standard Temperature Sensor for the T775 Series 2000
T775-SENS-OAT/U	Outside air temperature	PT1000, 1097 ohms @ 77 F PTC	-40 F to 158 F	-40 C to 70 C	8 5/16 in. high x 3 5/8 in. wide x 2 1/4 in. deep	211 mm high x 91 mm wide x 57 mm deep	1097 ohm Outdoor Air Temperature Sensor
T775-SENS-STRAP/U	Hot or chilled water (strap on)	PT1000, 1097 ohms @ 77 F PTC	-40 F to +250 F	-40 C to +121 C	4 3/16 in. high x 2 5/16 in. wide x 1 11/16 in. deep	107 mm high x 59 mm wide x 43 mm deep	Strap-on Sensor for Hot or Chilled Water
T775-SENS-WR/U	For use in applications such as monitoring return air, discharge air, and mixed air temperatures	PT1000, 1097 ohms @ 77 F PTC	-40 F to 270 F	-40 C to 132 C	2 in. long x 1/4 in. dia probe with 5 ft. lead	51 mm long x 6 mm dia probe with 1524 mm lead	Water-resistant Sensor for T775 Series 2000.
T775-SENS-WT/U	For use in applications such as monitoring return air, discharge air, and mixed air temperatures	PT1000, 1097 ohms @ 77 F PTC	-40 F to 270 F	-40 C to 132 C	2 in. long x 1/4 in. dia probe with 6 ft. lead	51 mm long x 6 mm dia probe with 1829 mm lead	Water-tight Sensor for T775 Series 2000