RTD-AMB
Temperature Sensor

Application . . .

Electric Heat Tracing Control
The RTD-AMB is designed to provide ambient sensing control of electric heat tracing circuits for freeze protection of piping and vessels. A nonmetallic NEMA 4X enclosure provides watertight, dusttight and corrosion-resistant protection to the sensor and allows ease of field wiring. It is adaptable for use with a variety of mounting methods.

The RTD-AMB temperature sensor is approved for use in both ordinary (nonclassified) and hazardous (classified) locations.

Ratings/Specifications . . .

RTD lead wire.................................24 AWG Kapton insulated (with stainless steel braid)
RTD type ...........................................................3-wire platinum
RTD resistance.................................100 ohms at 32° (0°C)
RTD calibration
Per ASTM E1137 Grade B, DIN std 43760/BS1904/IEC 751
Temperature coefficient......................0.00385 Ohms/Ohms - °C
Sensor housing material ......................316 stainless steel
Bulb dimensions ...............3/16” dia. x 3” long (4.76 x 76 mm)

Certifications/Approvals . . .

Underwriters Laboratories Inc.
Ordinary Locations
Class I, Division 2, Groups A, B, C and D
Class II, Division 2, Groups F and G
Class III

THERMON . . . The Heat Tracing Specialists®

100 Thermon Dr.  •  PO Box 609  •  San Marcos, TX 78667-0609
Phone: 512-396-5801  •  Facsimile: 512-396-3627  •  800-820-HEAT
www.thermon.com  In Canada call 800-563-8461
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Typical Wiring Diagram . . .

Shield

To Controller Input

B
B
A

Ground shield on RTD Extension Wire at Control Panel Only

3 Conductor Shielded RTD Extension Cable

B
B
A

RTD