Raychem

RTD-200
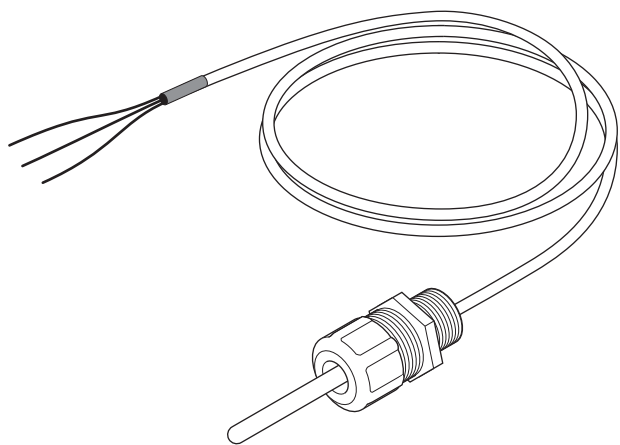## RTD TEMPERATURE SENSOR FOR AMBIENT SENSING

PRODUCT OVERVIEW

The Raychem RTD-200 is a three-wire platinum RTD (resistance temperature detector) typically used with electronic control systems that require accurate ambient temperature sensing. The RTD-200 comes with a 1/2" NPT fitting that installs to the appropriate conduit box.
This allows mounting of the RTD in a typical ambient location. This also allows for splicing of RTD extension wire back to the controller.

SPECIFICATIONS

Sensor

Housing	316 stainless steel
Dimensions	3-in (7.6 mm) length, 1/4-in (6 mm) diameter
Accuracy	± 0.3°F (± 0.2°C)
Range	–100°F to 300°F (–73°C to 149°C)
Resistance	100 ohms ± 0.25 ohm at 0°C α=0.00385 ohms/ohm/°C

Extension wire

Wire size (each of three)	22 AWG
	Note: The length of RTD extension wires is determined by the wire gauge used. To reduce the likelihood that electrical noise will affect temperature measurement, keep RTD extension wires as short as possible. Use shielded instrument cable such as Raychem MONI-RTD-WIRE (22 AWG, PVC insulation, –30°F to 140°F, –20°C to 60°C) or Belden 83553 (22 AWG, FEP insulation, –95°F to 395°F, –70°C to 200°C).
Wire dielectric strength	600 V
Length	6 ft (1.8 m)
Outer jacket	Fluoropolymer
Maximum exposure temperature	300°F (149°C)
Sensor fitting	1/2-in (12.7 mm) NPT with sealing washer and nut

APPROVALS

Approvals associated with control device. Not to be used in Division 1 areas.

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