PTS23 Series

- -10-125°C Operating Temperature
- Temperature Sensor - .05C Resolution
- Accuracy - +-.2C (FS)
- Stainless Steel NTC probe
- IP67
- Media – Liquid, Air, & Gas

DESCRIPTION

The PTS23 temperature sensor was specifically designed for temperature applications in residential and commercial spas, pools, and solar systems. The overmolded glass encapsulated NTC allows for protection against water ingress that cause traditional temperature sensors to fail. The low cost semi-automated united states manufacturing process allows for a cost effective solution.

APPLICATIONS

- Pool Heaters
- Water Heaters
- Hot Water Boiler
- Heat Exchanger

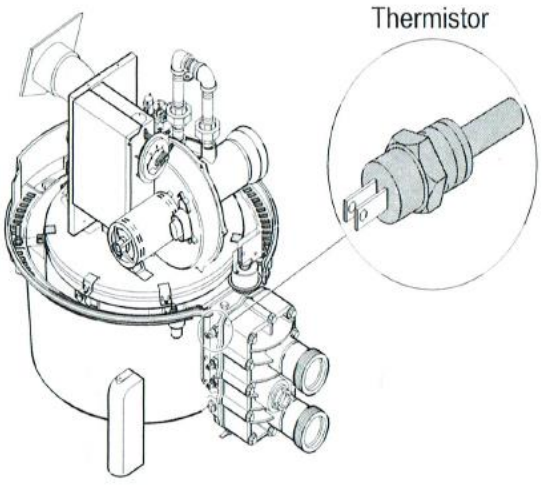
Maximum Environmental Ratings

Operating Temperature ……..... -10°C to 125°C

Storage Temperature Range ……. -30°C to 150°C

Example Installation Instructions Pool Heater System

Warning Risk of Fire, Explosion, & Electrical Shock
Heater service and repair must be performed by a qualified installer, service agency, or gas supplier.



Location
The sensor is located in the uppermost well of the Manifold Adapter under the switch cover.

Service Procedure

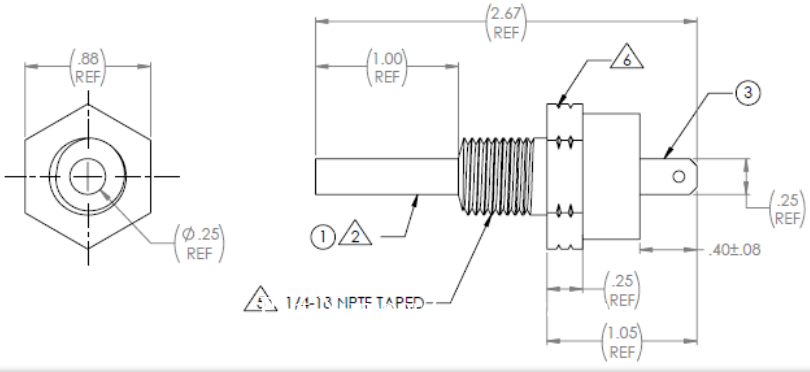
Check Sensor (Thermistor)

1) An Open thermistor displays E01 on the control board.
2) A shorted Sensor displays E02.

Replacing Sensor

1) Turn off the filter pump and all electrical power to the heater.
2) 3) If the heater is below the pool water level, close the isolation valves to avoid draining of the pool.
3) Open the Drain Cock under the Manifold adapter to drain heater.
4) Unbolt and remove upper left and right jackets to expose the Operating Control Assembly/Manifold Switch Cover.
5) Remove the Manifold Switch Cover.
6) Disconnect sensor (thermistor) wires from the system.
7) Unscrew sensor from the manifold.
8) Replace the sensor (thermistor), reverse steps 1-7.

Mechanical Dimensions (mm),



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Model — Cable Length (0=Pins, 1= Custom)

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