PHOENIX SENSORS

- -20-100°C Operating Temperature

- Temperature Sensor - .1C Resolution

- Accuracy - .5C (FS)

- Overmolded NTC probe

- IP67

- Media – Liquid, Air, & Gas

RoHS Compliant

DESCRIPTION

The PTS21 temperature sensor was specifically designed for temperature applications in residential and commercial 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. This sensor can be used with PentAir, Jandy, and Zodiac systems.

APPLICATIONS

• Pools

• HVAC

•Solar Systems

Maximum Environmental Ratings

Operating Temperature …………….... -20°C to 100°C

Storage Temperature Range ………. -25°C to 125°C

Water Temperature Sensor Replacement

1. Find the old Water Sensor located between the filter pump and the filter. Remove old Sensor and position the hose clamp over the new Sensor, and gently tighten around pipe. **Caution: Do not overtighten clamp.**

2. Feed the cable up through the low voltage compartment of the Load/Power Center to the Control Panel. Strip wires 1/4 in. and connect Sensor wires to WATER screw terminals.
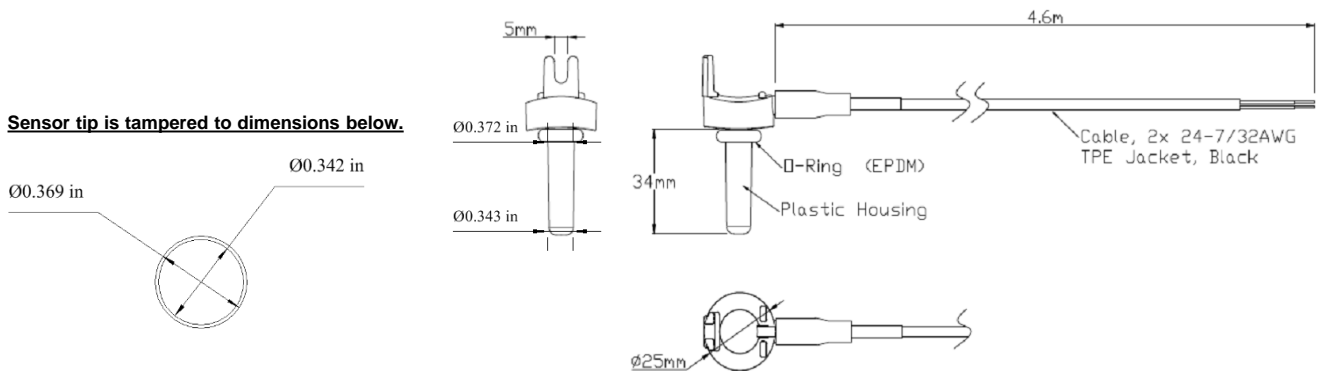
Solar Temperature Sensor

1. For unglazed panels, fasten Sensor next to solar panels. For glazed panels, suspend Sensor between collector and glazing.

2. Feed the cable up through the low voltage compartment of the Load/Power Center to the Control Panel. Strip wires ¼" and connect Sensor wires to the Solar screw terminals.

Ambient Air Temperature (Freeze Protection) Sensor

1. Mount sensor in open air, in shaded area, away from air conditioners. Feed the cable up through the low voltage compartment of the Load/Power Center to the Control Panel, fastening to plumbing with cable ties. Strip wires 1/4 in. and connect Sensor wires to Air screw terminals.

Mechanical Dimensions (mm),

Sensor tip is tampered to dimensions below.

Ø0.369 in
Ø0.342 in

5mm
Ø0.372 in
Ø0.343 in
34mm
O-Ring (EPDM)
Plastic Housing

4.6m
Cable, 2x 24-7/32AWG
TPE Jacket, Black

Ø25mm

PTS21- 0

Model   Cable Length (0=40", 1= 240", 2= Custom)

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