



- -40-250°C Operating Temperature
- Temperature Sensor - .1C Resolution
- Accuracy - +-1C (FS)
- Stainless Steel NTC probe
- IP67
- Media – Liquid, Air, & Gas

### DESCRIPTION

The PTS22 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

- Pools
- HVAC
- Solar Systems
- Hot Water Boiler
- Heat Exchanger

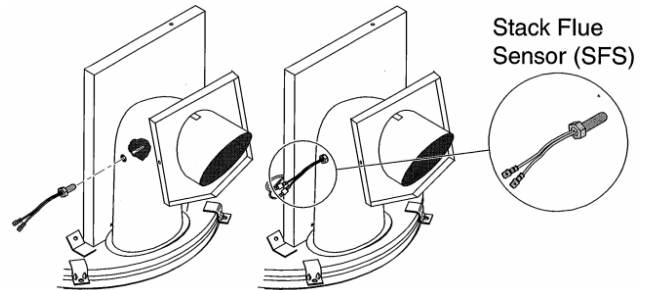
### Maximum Environmental Ratings

Operating Temperature ..... -40°C to 250°C

Storage Temperature Range ..... -45°C to 250°C

## Example Installation Instructions for Pentair Master Temp

**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 Indoor Stack Flue Switch (ES2) /Stack Flue Sensor (SFS) is located on the Exhaust Elbow.

### Service Procedure

#### Function

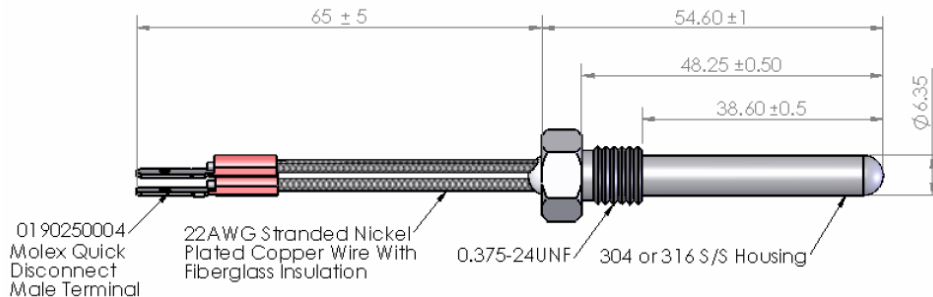
- 1) Stack Flue Sensor prevents the flue gas output from exceeding 500F +-18F (260C +-8 C)

#### Replacing Sensor

- 1) Turn off the filter pump and all electrical power to the heater.
- 2) Allow heater to cool for at least 30 minutes before proceeding.
- 3) Unbolt and remove the Upper Left and Upper Right Jackets from the heater.
- 4) Disconnect the wires from the old Indoor Stack Flue Switch or Sensor.
- 5) Remove the old Switch or Sensor by turning it counterclockwise with a 1/2" open end wrench.
- 6) Reverse Steps 1 through 5 above.

**Warning Risk of Carbon Monoxide Poisoning. BE SURE to seal the Stack Flue Sensor with a bead of RTV sealant before threading it into exhaust elbow. Heater service and repair must be performed by a qualified installer, service agency, or gas supplier.**

## Mechanical Dimensions (mm),



# PTS22- 0

Model

Cable Length (0=65mm, 1= Custom)

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