



**BULLETIN NUMBER: 100**

**DATE: 4/18/08**

**SUBJECT: Thermostat Identification and Thermocouple Wiring**

**MODELS: All Steamers**



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It has come to our attention that there is some confusion on how to wire up the thermocouple wiring to the thermostat and confusion between the DC and AC thermostats. It is imperative that the thermocouple wiring must be attached in the same order that it was removed as it will continue to heat until the over temp device activates. It is also important to install the correct style thermostat or damage to the thermostat can occur. So please check the Thermostat model # for the correct model and part number to replace.

Accutemp currently uses the following thermostats for the Steam N'Hold' product.

**Steam-n-Hold**

P/N	Model #	Description
AT1E-2559-1	120R-9-Z176A-156	DC Thermostat 100F-200F J Type Thermocouple
AT1E-2559-2	120R-2-Z227-156	AC Thermostat 100F-200F J Type Thermocouple

The difference in the 2 Thermostat is the control voltage output and the number of connections. Below are the differences.

**AT1E-2559-1 Thermostat**

- Model # 120R-9-Z176A-156
- 100 Degrees F to 200 degrees F temperature range
- Set at the factory to turn off at 196 degrees F
- Uses 28 VDC to control the heating solid state relay
- J type thermocouple P/N AT0E-2885-2
- 7 active connections
  - Pin 1 Yellow 208/240V
  - Pin 2 White Common
  - Pin 3 Violet - DC – Pressure Switch control
  - Pin 4 White/Brown - DC – Thermostat Control
  - Pin 5 Orange + 28 VDC
  - Pin 6 White + Thermocouple
  - Pin 7 Red - Thermocouple

**AT1E-2559-2 AC Thermostat**

- Model # 120R-2-Z227-156
- 100 Degrees F to 200 degrees F temperature range
- Set at the factory to turn off at 196 degrees F
- Uses AC voltage to control the heating solid state relay
- J type thermocouple P/N AT0E-2885-2
- 6 active connections
  - Pin 1 Yellow 208/240V
  - Pin 2 No Pin N/C
  - Pin 3 White Common
  - Pin 4 Yellow 208/240 vac - pressure switch
  - Pin 5 Orange 208/240 vac - Thermostat
  - Pin 6 White + Thermocouple
  - Pin 7 Red - Thermocouple

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