

## **Instructions for Tempco Model PCT-1000 Bulb & Capillary Type Thermostat**

Tempco Part Numbers PCT10003 and PCT10004

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### **DESCRIPTION**

Bulb & capillary type, double-pole mechanical thermostat with 3/8" diameter x 4" bulb and 48" or 60" long capillary tube. With aluminum housing, 5 foot long, 14 gauge 3-conductor 240V line cord with ground, red "Heater On" pilot light, 15 amp fuses and 15 amp, 3-conductor straight-blade heater receptacle with ground.

<b>Tempco Part Number</b>	<b>Voltage</b>	<b>Amps (fused)</b>	<b>Maximum Wattage</b>	<b>Temperature Range</b>
PCT10003	240	15	2,880	60-250°F (16-121°C)
PCT10004	240	15	2,880	150-550°F (66-288°C)

### **WARNINGS**

1. Dangerous voltage capable of causing injury or death is present within this controller. Call Tempco for an RMA and return any units suspected of not operating correctly.
2. To minimize the possibility of fire or shock, do not expose this console to rain or excessive moisture.
3. Do not use this enclosure in areas where hazardous conditions exist such as excessive shock, vibration, dirt, corrosive gases, oil or where explosive gases or vapors are present.

### **MOUNTING**

The mounting hole centers are 9" (229 mm) C/C. Mount in a convenient location noting above information. Carefully unwind the capillary tube and securely place the sensing bulb in the area where the temperature is to be maintained. Place the bulb somewhat closer to your heating element to prevent overheating.

### **CONNECTIONS**

1. Turn the setpoint knob counter-clockwise to the "OFF" position. Note the maximum voltage and heater wattage ratings indicated in the above chart. Plug your heater into the 240V receptacle located on the bottom surface of the controller.
2. Plug the line cord into a standard 240 VAC, 15 Amp outlet.

## **OPERATION**

Set thermostat at a lower temperature at first to test the system for accurate control. Adjust to your final setpoint temperature. Check wiring for overheating. The thermostat has an "off" position as noted on the knob.

## **HIGH LIMIT**

There is no high limit control with this unit. This must only be used where an over-temperature condition can be noted and the heater disconnected before any damage can be caused.

## **REPLACEMENT FUSE**

If a fuse has blown, check the heater for a fault condition or other wiring damage. The replacement fuse, Tempco Part Number EHD-124-148, is Buss type ABC-15, 1/4" x 1-1/4", rated 15 amps, 250 volts. The fuses are located inside the round fuse holders.

## **BULB & CAPILLARY**

Material: Nickel plated copper. Do not subject bulb and capillary to a temperature which is higher than the dial temperature. Suitability for any particular application is the responsibility of the purchaser.

## **NOTES**