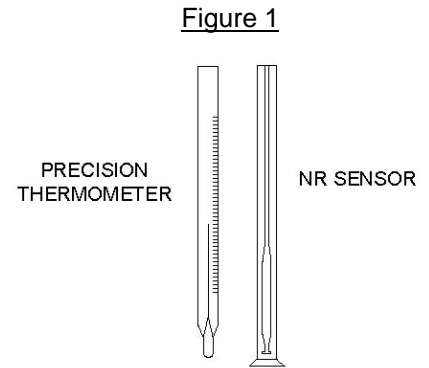


## Calibration of NR Style Controllers

- All controllers, when first installed, should be tested at operating temperature, and calibrated if temperature difference exceeds +/- 6°F.

### To Check Calibration:

- Place a precision thermometer at an appropriately specified immersion depth adjacent to the NR sensor bulb so that the thermometer's sensing zone approximates the NR bulb sensing zone (Figure 1). (NR bulb sensing zone extends over the entire length of the bulb.)
- Adjust the NR control knob to indicate the desired set point temperature, and turn on the heater power. Allow the temperature to stabilize regardless of desired temperature.
- Compare the thermometer temperature to the indicated temperature of the NR control knob. If the temperature is within six degrees (+/- 6°F), no further adjustments should be required.



### To Calibrate:

**WARNING: SHOCK HAZARD - DISCONNECT POWER BEFORE ATTEMPTING ANY ADJUSTMENTS.**

- With the tank contents at the approximate set point temperature (thermometer reading), rotate the NR control knob until the indicated temperature is the same as the precision thermometer's temperature.
- Carefully remove the control knob, and using a small flat head screwdriver, rotate the calibration screw (down the center of the control shaft) as shown below (Figure 2) until an audible "click" is heard.
- With the NR control at the set point, replace the control knob and reapply power. After allowing the temperature to stabilize, observe the temperature of the thermometer and repeat the calibration procedure if necessary.

