

## Thermistor Remote Probe Sensor

The TRP-1 Series is a thermistor type 10K Ohms (Type III) sensor and provide temperature input information to an controller such as the BLR-1 and BZU-1 The thermistors higher resistance creates a larger signal with the same measuring current, negating most lead wire resistance problems and eliminating the need for signal conditioners.

### Overview

The TRP-1 Series has a stainless steel bullet probe which is 1/4" in diameter and 1" long with 24" wire leads. The TRP-1 Series can measure the boiler supply and return water temperature or measure the outdoor temperature or measure the temperature of a concrete slab and provide this information to the controllers.

### Specifications

<b>Output 10K Type III</b>	10,000 Ohms @ 77°F (25°C)	<b>Accuracy</b>	+/- 0.2° C (0 to 70° C)
<b>Temperature Range</b>	-40 to 302° F (-40 to 150°C)	<b>Stability</b>	+/-0.13° C
<b>Interchangeability</b>	+/- 0.2°C (0 to 70°C)	<b>Operating Humidity</b>	10 to 90% RH non-condensing
<b>Dissipation Constant</b>	3 mW / deg C		

### Mounting

The unit should be mounted on the bottom side of the pipe to ensure proper heat transfer and a true temperature reading. Heat transfer compound and insulating the sensor will help the overall accuracy of the sensor.

### Dimensions

