

## Installation Guide

### Mounting

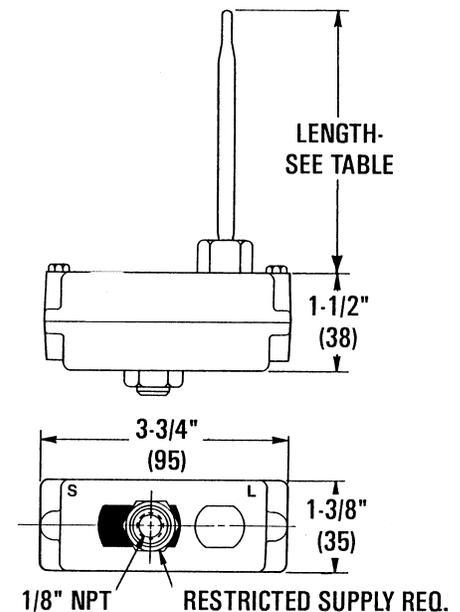
The TTC-1000 Rigid Bulb Temperature Transmitter may be used in air or fluid applications.

#### Air Applications:

1. Drill a 1/2" hole in the duct.
2. Attach the HMO-4504 Duct Mounting bracket to the duct with the four screws provided.
3. Insert the TTC's bulb through the bracket and into the duct.
4. Tighten the connection between the unit and the bracket.

#### Fluid Applications:

1. Drill a 1/2" hole in the pipe.
2. Insert and secure the Stainless Steel (HMO-4515) or Brass (HMO-4503) well depending on the application.
3. Insert the TTC's bulb into the well.
4. Tighten the connection between the well and the TTC unit.



### Connections

- ◆ All connections are 1/8" (3 mm) NPT. Depending on the application, use either copper or polyethylene tubing.
- ◆ Use only clean, dry, control air. No attempt should be made to use any other medium.

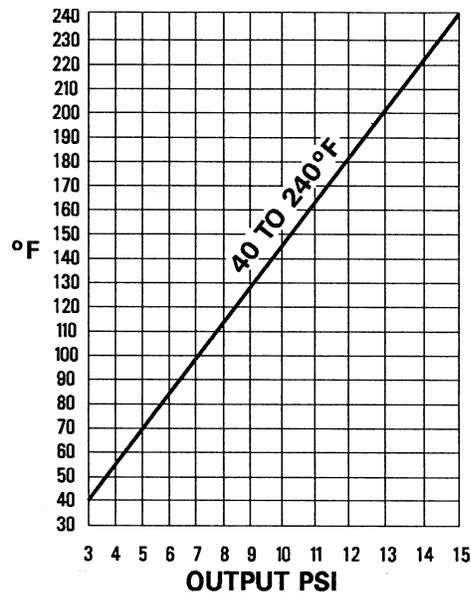
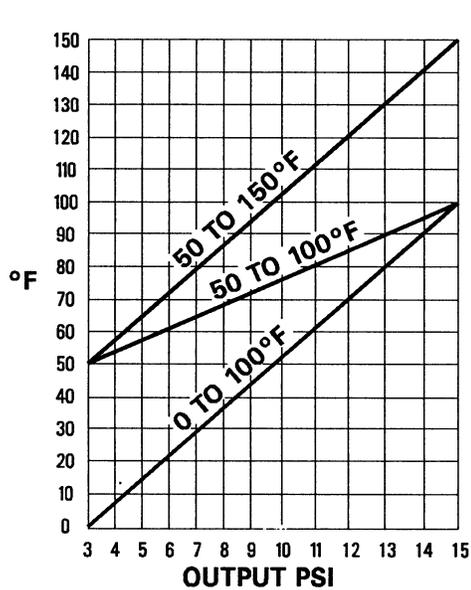
1. Connect the HFO-0022 or HFO-0023 Restrictor Tee in-line in the Control Air Supply.
2. Connect the restricted supply line to the input on the bottom of the TTC.
3. Connect the final device to the open side of the Restrictor Tee.

## Adjustments

Each unit is factory calibrated and should not require field adjustment. Refer to the chart to determine output pressures for a given temperature.

Should adjustment be necessary:

1. Attach a pressure gauge to the output.
2. Insert a temperature gauge into monitored air or fluid.
3. Wait for unit to equalize.
4. Refer to the chart(s) to determine correct psi values.
5. Using a hex-key wrench, turn the "Zero Adjustment" until the output pressure is correct.



## Maintenance

No routine maintenance is required.

The TTC- 1000 Series Transmitters are designed for dependable, long term reliability and performance.

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