

## MODEL DMT DUAL-MODE THERMOMETER INSTALLATION AND ADJUSTMENT INSTRUCTIONS

### **INSTALLATION OF THERMOMETERS:**

Good practice requires the use of a thermowell in all pressurized applications. Case temperatures should not exceed 200F (93C).

DMT stem should be carefully inserted in a .385 bore thermowell. DM4 models should be put in a .260 bore thermowell. Heat transfer medium may be used to increase temperature response.

Avoid bending the stem, as this will result in frictional errors in indication.

To tighten thermometer to thermowell, use a wrench applied to the hex or flats above the threads. **Never tighten by hand.**

**Minimum Immersion:** All models should be immersed at least 4", or to the top of the threads, for best accuracy.

### **CONNECTION HEAD ADJUSTMENT:**

To change the position of the connection head, use a wrench to turn the hex connection base, while holding the bimetal wrench flats with a second wrench. Do not turn the connection head more than ½ rotation, to avoid damaging wires.

### **WIRE CONNECTION:**

Remove the cover on the connection head. Thread wires through the grommet (or gland) at the top of the cover. Screw the wires to the appropriate terminal. Replace cover, secure in place.

### **RESETTING POINTER** (Resettable models only)

If it is necessary to make an adjustment to the thermometer, proceed as follows:

- 1) Place thermometer to be recalibrated in an agitated liquid for at least 3 Minutes, at full immersion, alongside a master reference thermometer.
- 2) Using a wrench, coin, or screwdriver, turn the slotted hex nut on the back of the case until the pointer is at the proper reading on the scale.
- 3) Re-install thermometer, following above installation steps.

## HEAD ADJUSTMENT (Adjustable Angle Models Only)

To Tilt The Head, loosen slightly the two hinge screws on the bracket, tilt the head to the desired angle, and tighten the hinge screws again.

To Change The Direction of the Tilt, Straighten the bracket to the upright position following the procedure above. Then loosen the two bracket bolts, swivel the bracket to the desired position, and retighten the bracket bolts. Now tilt the head to the desired position, following the procedure above.