

Installation Guide

Required Tools

- digital voltmeter
- small phillips screwdriver
- small flatblade screwdriver
- keyhole saw

Mounting

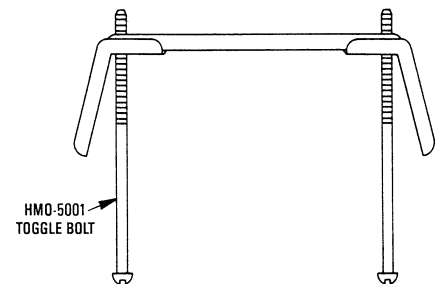
Standard:

- The base unit's mounting slots are designed to align with the holes in a standard 2" x 4" (51x102) handy conduit box.
- Use a 2" (51) deep box if using conduit.
- Normal screw and anchor systems may be used on solid walls.

Hollow wall:

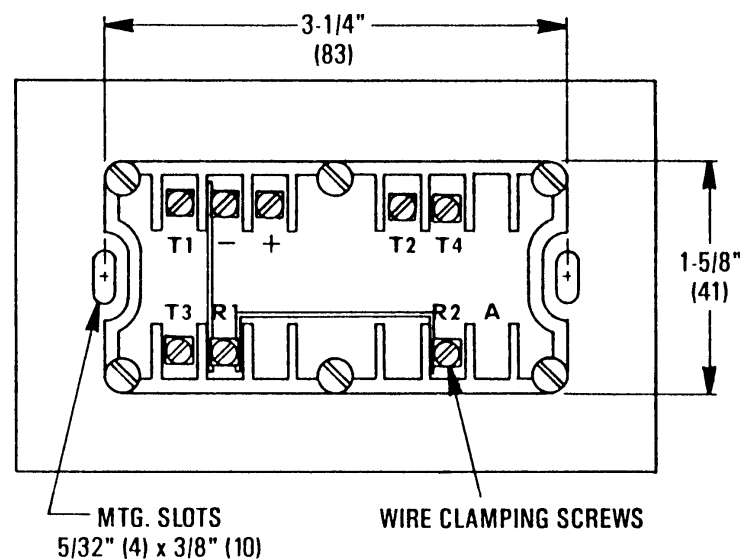
1. Cut a 3-3/4" x 1-3/4" rectangular opening in the wall.
(Check if unit is horizontal or vertical before cutting)
2. Make all necessary connections
3. Insert Toggle Bolt Assembly (HMO-5001, ordered separately) through the wall and tighten.

Care should be taken not to bend or flex the base of the thermostat.



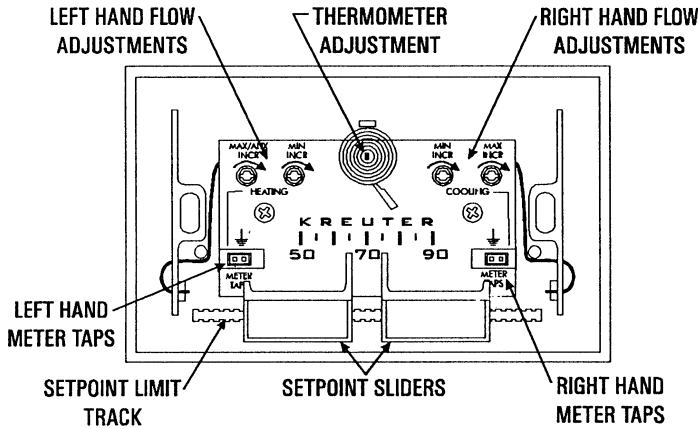
Wiring

Typically, T1 and T3 are used for cooling and T2 and T4 are used for heating. Refer to the wiring diagram.



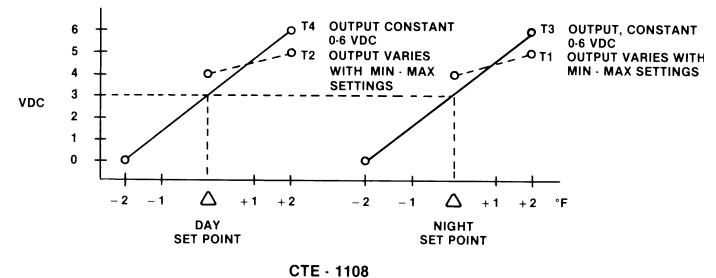
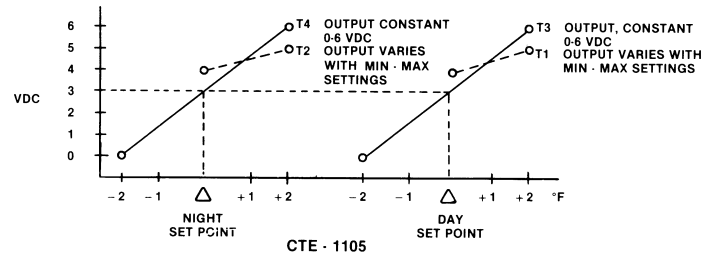
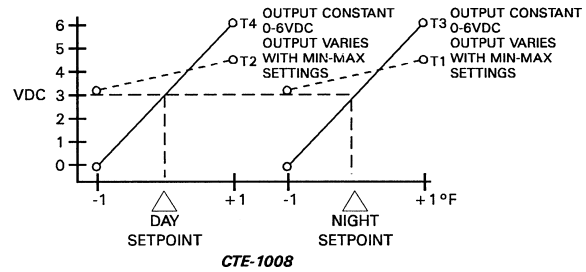
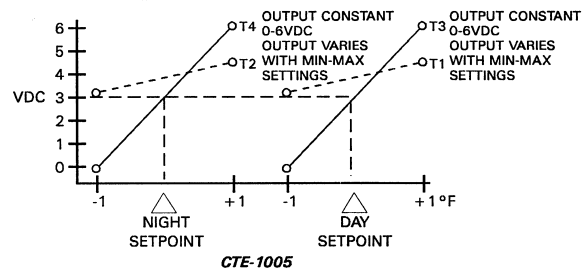
Adjustments and Calibration

Upon receipt, no thermal calibration should be required.



Flow control points can be calibrated before or after installation.

1. Verify 9.1 VDC between (+) and (-) terminals. Refer to wiring diagram.
2. Measure T1 output voltage.
3. Refer to the graphs (right) to make adjustments.
4. Always adjust the minimum flow first.
 - a. DA Cooling; Set point > Room Temp.
 - b. RA Heating; Set point < Room Temp.
5. Always adjust maximum limits to a value higher than the minimum limits. If in doubt, turn Max. limit fully clockwise (increase) before proceeding.
 - a. DA Cooling; Set point < Room Temp.
 - b. RA Heating; Set point > Room Temp.



Maintenance

No routine maintenance is required. Each component is designed for dependable, long term reliability and performance. Careful installation will also ensure long term reliability and performance.

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