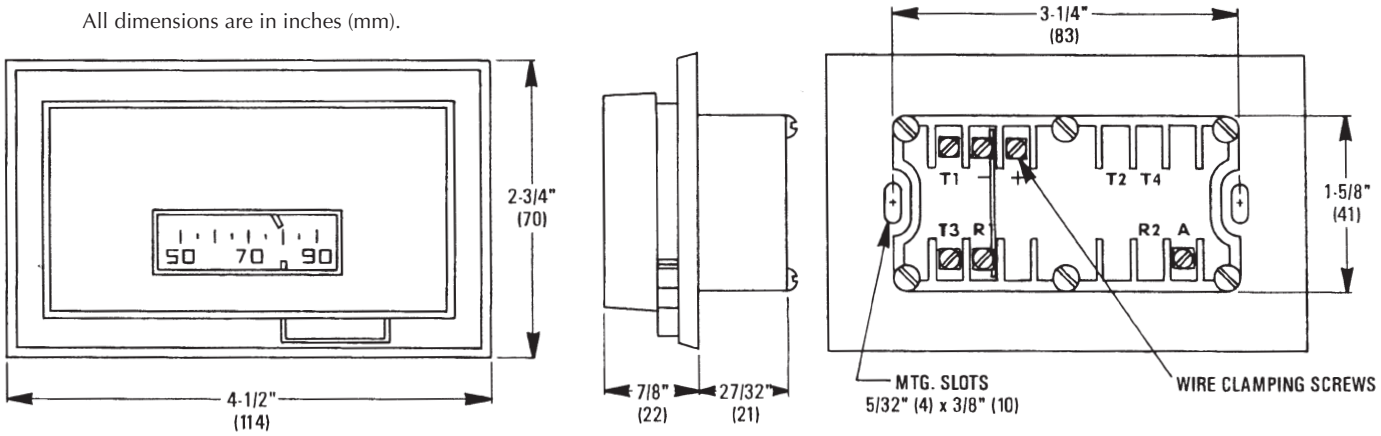
Installation Guide

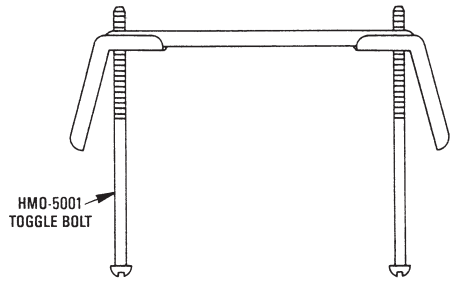
Mounting

All dimensions are in inches (mm).



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 an HMO-5001 Toggle Bolt Assembly (ordered separately) through the wall and tighten.



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

Standard:

- The base unit's mounting slots are designed to align with the holes in a standard 2" x 4" (51 x 102 mm) handy conduit box. Use such a box if using conduit.
- On solid walls, normal screw and anchor systems may be used.

NOTE: See the data sheet for a complete listing of accessories as well as specifications.

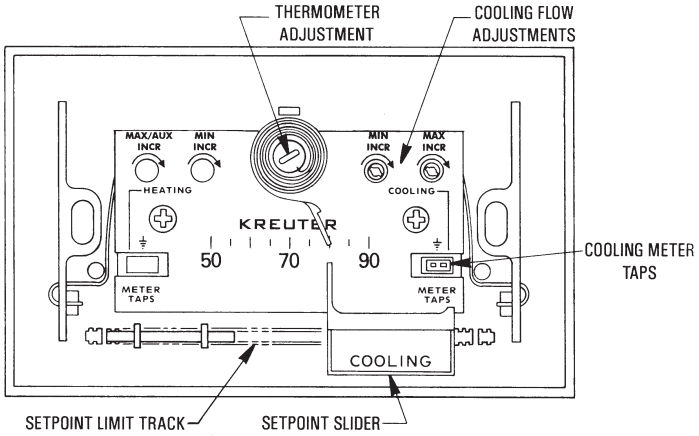
Wiring

Refer to the diagram above for screw terminal locations. T3 is not restricted by the minimum and maximum control points. See the diagrams on the next page. Typically in KMC thermostats, T1 and T3 are used for cooling, and T2 and T4 are used for heating.

NOTE: Only CTE-1101s have the A terminal that is used for temperature averaging. See the Temperature Averaging section on the next page.

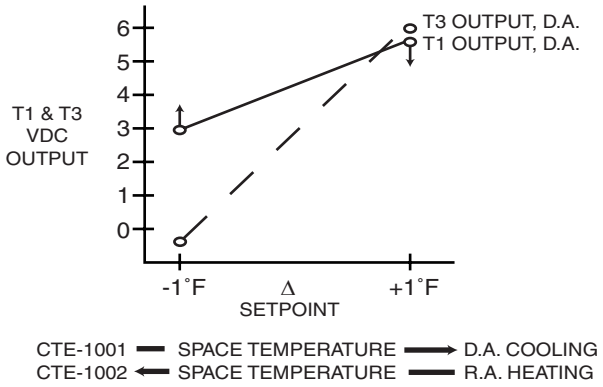
Adjustments and Calibration

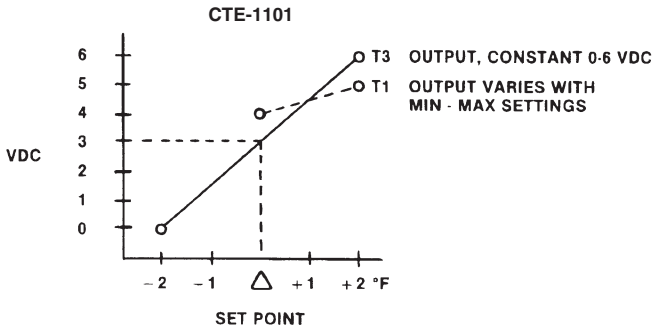
Upon receipt from the factory, no thermal calibration should be required.



Flow control points can be calibrated before or after installation:

1. Verify 9.1 VDC between (+) and (–) terminals. (See the wiring diagram on the previous page.)
2. Measure T1 output voltage (via the meter taps and HSO-5001 calibration test leads).
3. Refer to the graphs (at the right) to make adjustments.
4. Always adjust the minimum flow first.
   a. DA Cooling: Setpoint > Room Temp.
   b. RA Heating: Setpoint < 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: Setpoint < Room Temp.
   b. RA Heating: Setpoint > 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.

Important Notices

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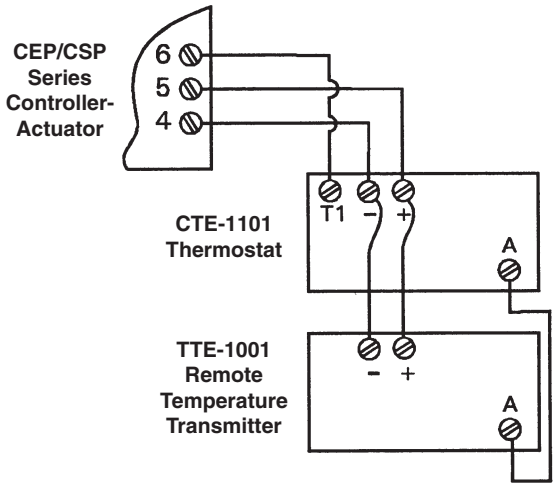
Temperature Averaging

For temperature averaging on a **CTE-1101** (only), connect the CTE-1101's A, +, and – terminals to the respective terminals on the back of the remote transmitter.



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