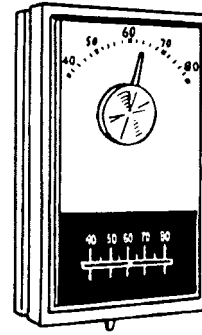


**LOW VOLTAGE
ROOM THERMOSTAT**
Catalog Number WR-1E30-S



Installation Instructions

This low voltage room thermostat opens on temperature rise and is designed for use on various types of heating equipment. It is equipped with a heat anticipator which may be adjusted for primary control current draws of .15 to 1.0 Amps.

SELECTION LOCATION

The proper location of the room thermostat is most important to insure that it will provide a comfortable ambient temperature. Observe the following general rules when selecting a location:

1. Locate it about 5 ft. above the floor.
2. Install it on a partitioning wall, not on an outside, windows, or adjoining outside walls.
3. Never expose it to direct light from lamps, sun, fire places, etc.
4. Avoid locations close to doors that lead to outside, windows, or adjoining outside walls.
5. Avoid locations close to radiators, warm air registers, or in the direct path of heat from them.
6. Make sure there are no pipes or duct work in that part of the wall chosen for the thermostat location.
7. Never locate it in a room that is warmer or cooler than the rest of the home, such as kitchen or hallway.
8. The living or dining room is normally a good location, provided there is no cooking range or refrigerator on opposite side of wall.

ROUTING WIRES TO LOCATION

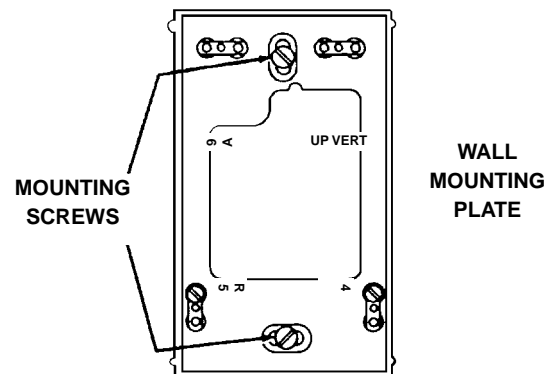
1. Before drilling hole in wall at selected location, take up quarter round and drill a small guide hole for sighting. From basement, drill 3/4" hole in partition floor next to guide hole. (On basementless houses, drill 1/2" hole through ceiling above partition.)
2. Probe for obstructions in the partition. Then drill 1/2" hole through wall at selected location.
3. Through this hole in wall drop a light chain, or 6" chain attached to a strong cord, and snag cord with hooked wire from basement. (On basementless houses, drop cord from ceiling and snag it at the thermostat location.)
4. Attach thermostat cable to cord and pull cable through hole in wall so that 6" of cable protrudes.

MOUNTING THERMOSTAT

1. Pull thermostat wires through large hole in center of wall mounting plate and fasten wires beneath two terminal screws on bottom side of plate.
2. Push excess wire into wall or switch box and plug up hole to prevent drafts from affecting thermostat operation.
3. Thermostat must be level to assure optimum performance.

Place level on top of wall mounting plate and mark hole locations for mounting screws provided. Again place level on top of plate to be sure it is level. Then tighten screws.

4. Remove cover from thermostat base by pulling outward. Remove and discard pad (shipping protection for switch). Place thermostat base onto wall mounting plate and tighten all three screws securely. Then snap on thermostat cover.

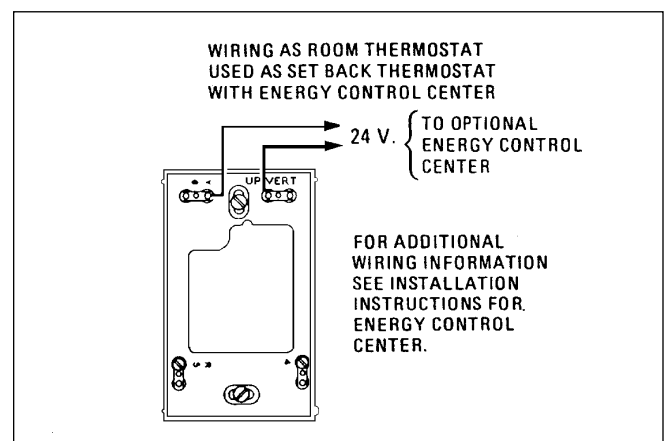


WIRING

All wiring should be done according to local and national electrical codes and ordinances.

WIRING AS ROOM THERMOSTAT

Because of the many possible uses of these room thermostats, no wiring diagrams are presented. Use the wiring diagram that is shown on the instruction sheet that is packed with the primary control, or the one that is supplied by the manufacturer of the heating equipment.



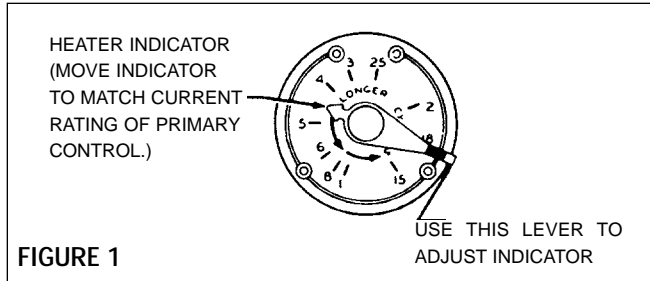
HEAT ANTICIPATION (Figure 1)

This thermostat is equipped with an adjustable heat anticipator. **Set heater indicator to match the current rating of the primary control.** The heater may be adjusted for current ratings from .15 to 1.0 Amps.

Adjustments

Cycles too long — Set adjustable heater to a slightly lower dial setting (1/2 division).

Cycles too short — Set adjustable heater to a slightly higher dial setting (1/2 division).

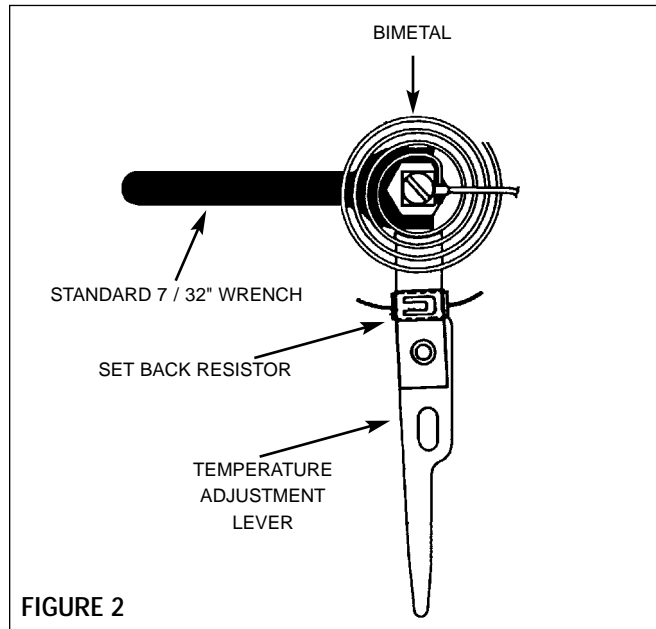


CALIBRATION ADJUSTMENT (Figure 2)

These thermostats have been carefully adjusted at the factory and should not require re-calibration.

A few degrees difference between the indicator setting of the thermostat and actual room temperature is not considered too important. However, if the temperature is much greater, first make sure that the thermostat is properly located and leveled. Then, if re-calibration still seems necessary, proceed as follows:

1. Move temperature adjustment level to a setting about 5° above room temperature.
2. Remove thermostat cover. Slip standard 7/32" wrench onto hex nut beneath bimetal, and, holding temperature adjustment lever stationary, turn hex nut **clockwise** until



mercury shifts to right end of tube.

3. Move temperature adjustment lever to lowest setting.
4. Replace thermostat cover. Wait 10 minutes for bimetal temperature to stabilize. Don't stand near thermostat during this period as your breath and body heat will affect the temperature of the bimetal.
5. Move temperature adjustment lever to correspond to actual room temperature. Then remove thermostat cover.
6. Slip 7/32" wrench onto hex nut, holding temperature adjustment lever stationary, turn hex nut **counterclockwise** until mercury just barely shifts to **left** end of tube. Then replace cover and set thermostat to desired temperature.

LIMITED WARRANTY

All products covered by this instruction sheet are warranted against defects in workmanship and materials for one year from date of installation. This warranty does not apply to damage from accident, misuse, or alteration; nor where the connected voltage is more than 5% above the nameplate voltage; nor to equipment improperly installed or wired or maintained in violation of this instruction sheet. All claims for warranty work must be accompanied by proof of the date of installation.

The customer shall be responsible for all costs incurred in the removal or reinstallation of products, including labor costs, and shipping costs incurred to return products to a Marley Engineered Products Service Center, and we will repair or replace, at our option, at no charge to you with return freight paid by Marley. It is agreed that such repair or replacement is the exclusive remedy available from Marley Engineered Products.

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Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state.

For the address of your nearest authorized service center, contact Marley Engineered Products, 470 Beauty Spot Road East, Bennettsville, SC 29512 USA. Merchandise returned to the factory must be accompanied by a return authorization and service identification tag, both available from the above location. When requesting return authorization, include all catalog numbers shown on the product.

HOW TO ORDER REPAIR PARTS

In order to obtain any needed repair or replacement parts, warranty service or technical information, please contact Marley Engineered Products Service Center toll-free by calling 1-800-642-HEAT.

When ordering repair parts, always give the information listed as follows:

1. The Part Number
2. The Model Number
3. The Part Description
4. Date of Manufacture



Marley
Engineered Products

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