

THE YOUNG REGULATOR COMPANY

OPERATION AND INSTALLATION MANUAL

LOW VOLTAGE MERCURY BULB THERMOSTAT MODELS T-312 AND T-311

The Young Regulator Mercury Bulb Thermostat is a versatile low voltage control utilizing a dust-proof Mercury Switch operator by coiled bimetal. This thermostat has a built in thermometer with a standard range of 50° to 90° F.

It is available in heat only/cool only (T-311) and heating/cooling combination (T-312) and a heating/cooling manual changeover (T-313). It does not require a sub-base.

SPECIFICATIONS

Electrical Rating	30 VAC Maximum	Dimensions	4.5" x 2.75" x 1.25"
Heat Anticipator	.5 to 1.0 Amps	Approvals	CSA (UL not required)
Cool Anticipator	Fixed	Differential	Heat 1°F/ Cool 1.5°F

INSTALLATION

1. Determine the location where the thermostat is to be mounted. It should be installed about 54" above floor level where there is good air circulation. Avoid heat sources such as lamps, direct sunlight, fireplaces or walls containing air conditioning and heating ducts. Do not install where anything can obstruct free air flow such as drapes or doors.
2. Disconnect the power supply.
3. Gently remove the cover of the thermostat from the base by pulling the top or bottom away from the base. Remove any additional packing.
4. Feed electrical wires from the system through the two holes above the screw terminals. Wiring must not interfere with the operation of the thermostat. Use electrical material approved by applicable code.
5. Connect the wires to the proper terminals.
6. Install the thermostat on the wall with the mounting screws provided. Thermostat must be level.
7. Adjust the heat anticipator pointer (see diagram) adjacent to current draw of the heating system (listed in the specifications of the heating system). If this information is not available, check with an ammeter.
8. Move the temperature-adjusting lever back and forth to insure bimetal is free from restrictions.
9. Replace the cover onto the base.
10. Restore the power.
11. This thermostat has been electronically calibrated at the factory. No adjustment is necessary.

OPERATION

1. Set the temperature-adjusting lever to the desired temperature.
2. Additional adjustment, if necessary, can be made. If the heating system runs too long, adjust the heat anticipator to a slightly lower setting. If the heating system runs too short, adjust the heat anticipator slightly higher.