Honeywell

T822C/Q634J FOR EVAPORATIVE COOLERS

APPLICATION

T822C Cooling Thermostat—for room temperature control. 24 V, 1.0 A running, 5.0 A inrush. Nonadjustable cooling anticipator, 0 to 0.1 A. Temperature setting range: 55 F to 95 F [13 C to 35 C].

Q634J Switching Subbase—for system switching and fan switching. System Switch Positions: COOL-VENT-PUMP-OFF. Fan Switch Positions: LO-HI.

INSTALLATION

WHEN INSTALLING THIS PRODUCT. . .

1. Read these instructions carefully. Failure to follow them could cause a hazardous condition.

2. Check the ratings given in the instructions and on *the product to make sure the product is suitable for* your application.

3. Installer must *be a trained, experienced service* technician.

4. After installation is complete, check out product operation as provided in these instructions.

CAUTION

1. Disconnect power supply before beginning installation to prevent electrical shock or equipment damage.

2. Run wires as close to the subbase as possible. *To prevent interference* with the thermostat linkage, keep wire length to a minimum, and make certain wires do NOT protrude outward beyond standoffs. Push excess wire back into the hole, and plug hole to prevent drafts from affecting thermostat operation.

IMPORTANT

Thermostats are calibrated at the factory using subbases mounted at true level. Inaccurate subbase leveling will cause thermostat control deviation.

THERMOSTAT LOCATION

Locate the thermostat on an inside wall about 5 ft [1.5 m] above the floor in an area with good air circulation at average temperature.

Do not mount the thermostat where it may be affected by—

—drafts or dead spots behind doors and in corners.
—hot or cold air from ducts.
—radiant heat from the sun or appliances.
—concealed pipes and chimneys.
—unheated (uncooled) areas behind the thermostat.

SUBBASE MOUNTING

The subbase is designed for mounting on a wall or vertical outlet box. To mount subbase, proceed as follows:

1. *Prepare a hole for the thermostat wires* at the location selected.

2. *Run low voltage thermostat wires from the control* section of the evaporative cooler to the location.

3. *Pull about 6 in. [150 mm] of thermostat wire* through the hole in the wall, and thread it through the wire opening. See Fig. 1. Secure the subbase with the two screws provided, but do not tighten.

4. Level the subbase as shown in Fig. 1, and tighten the subbase mounting screws.

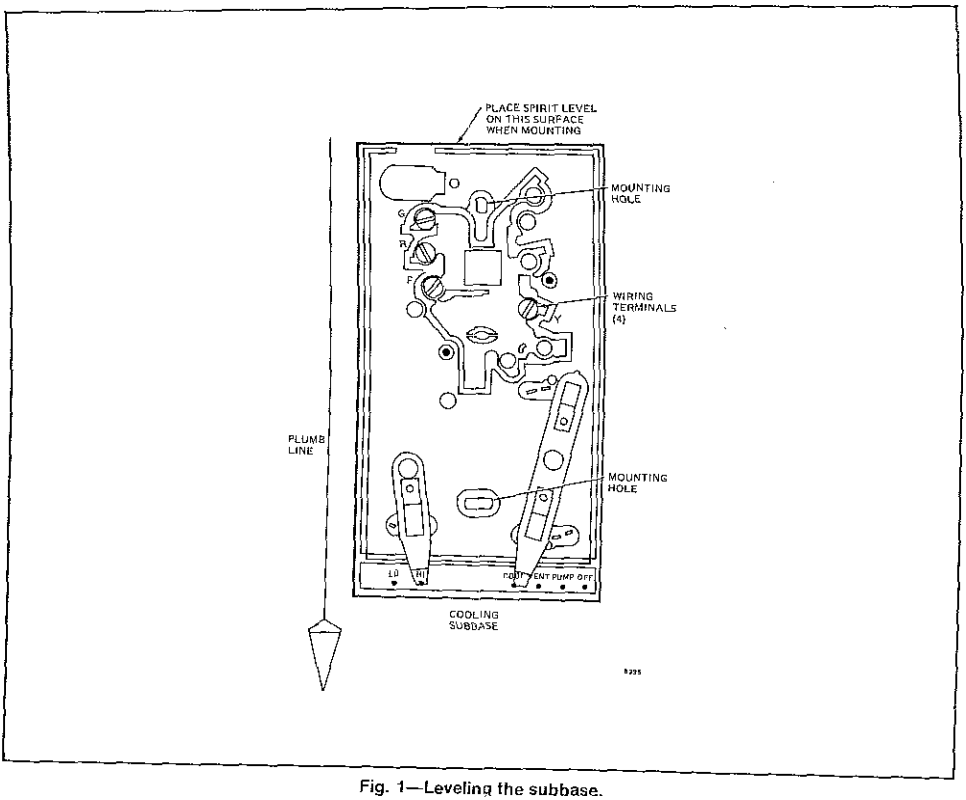

Fig. 1—Leveling the subbase.

WIRING

All wiring must comply with local electrical codes and ordinances. Connect the wires from the evaporative cooler to the subbase terminals according to the wiring diagram in Fig. 3. A letter code is near each terminal for easy identification.

The shape of the terminal barrier permits insertion of straight or conventional wraparound (Fig. 2) wiring connections. Either method is acceptable. When making connections, strip wire to the length specified in Fig. 2.

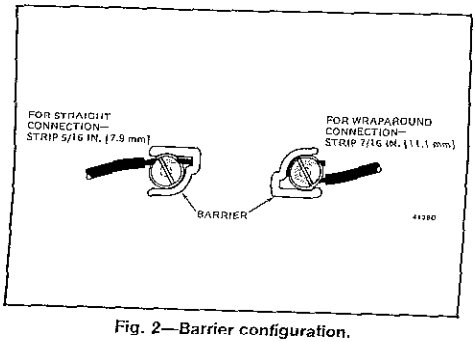

Fig. 2—Barrier configuration.

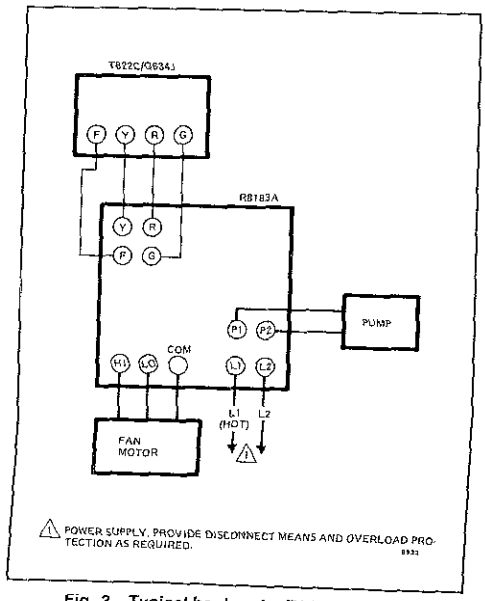

Fig. 3—Typical hookup for T822C/Q634J.

MOUNTING THE THERMOSTAT

Place the thermostat on the subbase, insert and tighten the mounting screws.

SETTING AND CHECKOUT

Move the temperature setting lever to the desired position.

SYSTEM SWITCHING positions for the Q634J Switching Subbase are COOL-VENT-PUMP-OFF.

The system switch controls evaporative cooler operation as follows:

COOL—Evaporative cooler provides cooling. Both fan and pump operate.
VENT—Fan only operates. Allows use of outdoor air for cooling.
PUMP—Operates circulator pump only. For wetting pad before starting fan.
OFF—System is off. Fan does not run.

The fan switch, on the left, controls the fan speed at either LO or HI.

Refer to the checkout instructions supplied with the evaporative cooler to check operation of all equipment.

Honeywell Inc.
1885 Douglas Drive N.
Golden Valley, MN 55422-4386

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