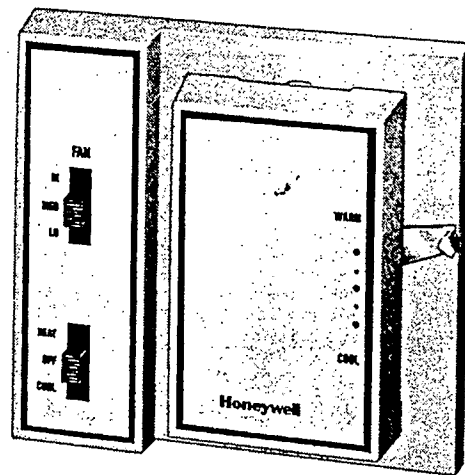


LINE VOLTAGE HEATING-COOLING MANUAL CHANGE- OVER THERMOSTAT

T4039S THERMOSTAT CONTROLS LINE VOLTAGE VALVES OF A FAN COIL UNIT IN MANUAL CHANGEOVER HEATING-COOLING SYSTEMS. ONE OR TWO VALVES MAY BE CONTROLLED DIRECTLY BY THE THERMOSTAT. THE FAN SWITCH CONTROLS AIR CIRCULATION.

- Low-Medium-High fan control.
- Scale range is approximately 55° F to 95° F in 10° F increments from 75° F midpoint. scale is marked COOL-WARM.
- Heating circuits isolated from cooling circuits. OFF position breaks all power to fan and thermostat.
- Color-coded leadwires.
- Can be mounted on 4-in. square junction box or 2-ganged outlet boxes.
- Adjustable range stops limit temperature adjustment or lock at selected set point.



T4039S

SPECIFICATIONS

ELECTRICAL RATINGS:

A. Thermostat (valve load):

	NORMAL (A)	INRUSH (A)
120 Vac	0.32	1.0
240 Vac	0.16	0.50
277 Vac	0.14	0.43
Fan Switch		
	FULL LOAD (A)	LOCKED ROTOR (A)
120 Vac	5.5	33.0
240 Vac	2.75	16.5
277 Vac	2.4	14.4

10 A RESISTIVE AT 125 Vac

5 A RESISTIVE AT 240 Vac

4.2 A RESISTIVE AT 277 Vac

TEMPERATURE SETTING RANGE: Approximately 55° F to 95° F [13° C to 35° C]; marked COOL-WARM in 10° F [6° C] increments from 75° F [24° C] midpoint.

CONTROL DIFFERENTIAL: Approximately 2° F [1° C] at midscale.

DIMENSIONS: See Fig. 1.

FINISH: Beige

MOUNTING: Mount on 4-in. square junction box or 2-ganged outlet boxes. See Fig. 3.

UNDERWRITERS LABORATORIES, INC. LISTED: File No. E4436, Vol. 2 dated 3-19-73; Guide No. XAPX.

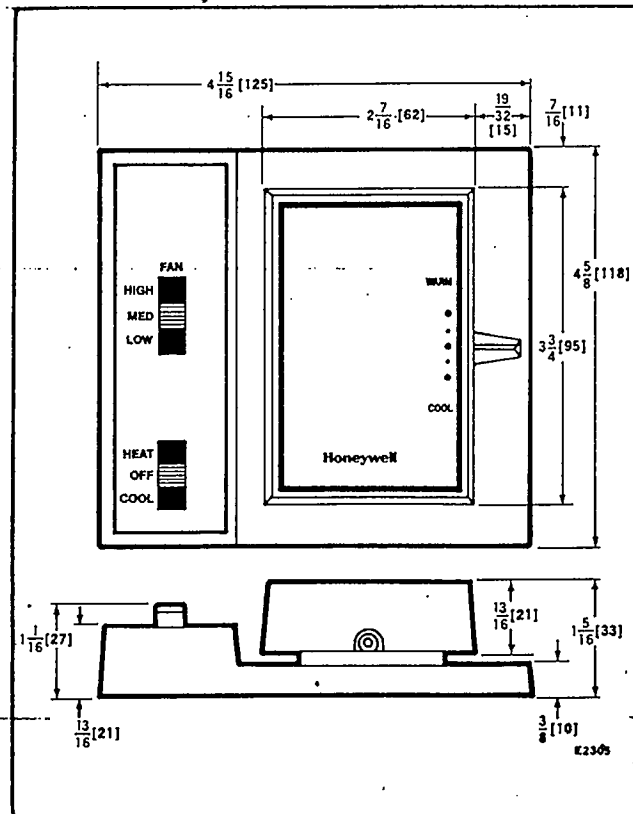


FIG. 1—MOUNTING DIMENSIONS IN in. [mm IN BRACKETS] OF T4039 MODELS WITH MANUAL SWITCHING.

ORDERING INFORMATION

WHEN PURCHASING REPLACEMENT AND MODERNIZATION PRODUCTS FROM YOUR TRADELINE WHOLE-SALER OR YOUR DISTRIBUTOR, REFER TO THE TRADELINE CATALOG OR PRICE SHEETS FOR COMPLETE ORDERING NUMBER, OR SPECIFY—

1. Model Number.

IF YOU HAVE ADDITIONAL QUESTIONS, NEED FURTHER INFORMATION, OR WOULD LIKE TO COMMENT ON OUR PRODUCTS OR SERVICES, PLEASE WRITE OR PHONE:

1. YOUR LOCAL HONEYWELL RESIDENTIAL SALES OFFICE (CHECK WHITE PAGES OF YOUR PHONE DIRECTORY).

2. RESIDENTIAL DIVISION CUSTOMER SERVICE
HONEYWELL INC., 1885 DOUGLAS DRIVE NORTH
MINNEAPOLIS, MINNESOTA 55422-4386 (612) 542-7500

(IN CANADA— HONEYWELL LIMITED/HONEYWELL LIMITEE, 740 ELLESMERE ROAD, SCARBOROUGH, ONTARIO M1P 2V9) INTERNATIONAL SALES AND SERVICE OFFICES IN LL PRINCIPAL CITIES OF THE WORLD.

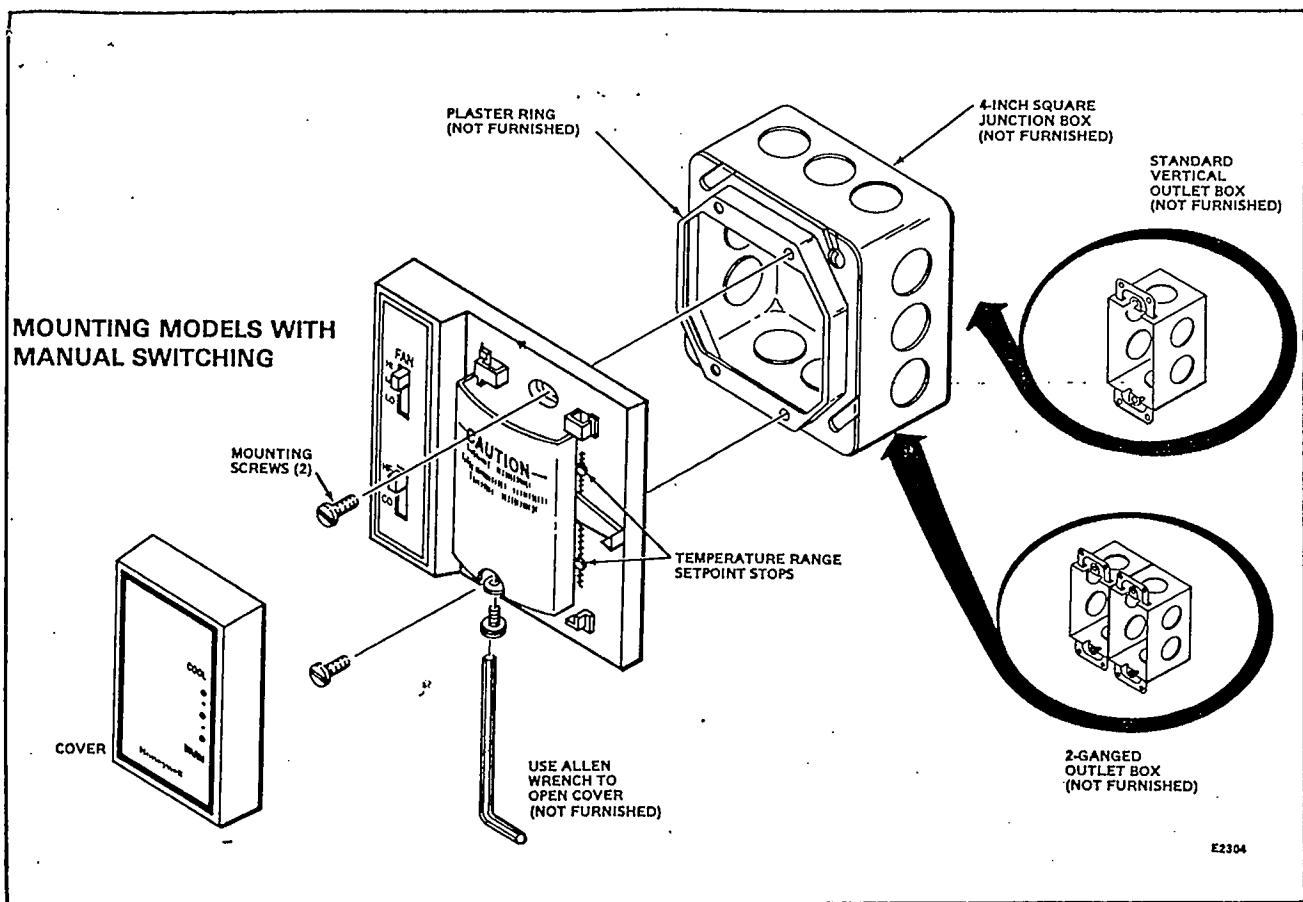


FIG. 2—MOUNTING THE T4039.

INSTALLATION

WHEN INSTALLING THIS PRODUCT...

1. Read these instructions carefully. Failure to follow them could damage the product or 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 the installation is complete, check out product operation as provided in these instructions.

CAUTION

Disconnect power supply before beginning installation to avoid electrical shock and equipment damage.

Before mounting, be sure to remove cardboard shipping inserts which protect the contacts.

1. Remove T4039 cover by loosening the cover screw with Allen wrench (provided).
2. Open the cardboard inside cover by pressing inwards on the left side to release latch. Do not remove this cover.
3. Carefully remove the shipping inserts from around the snap contacts.
4. Check contact operation before mounting device.

MOUNTING

Models with manual switching mount on 4-in. square junction boxes or 2-ganged outlet boxes. Manual switching models may also mount on standard vertical outlet boxes if local electrical codes permit.

Mount thermostat on side wall about 5 ft. above the floor. Do not mount where thermostat can be affected by drafts, radiant heat from the sun or other sources of heat.

Use Allen wrench to open cover and mount according to Fig. 2. Allen wrench and 2 mounting screws are provided.

WIRING

Disconnect power supply before beginning installation to avoid electrical shock and equipment damage. All wiring must comply with local codes and ordinances.

Internal schematic and external connections for the T4039 are shown in Fig. 3. Use solderless connectors or other approved methods to wire thermostat into the system. Six-inch color-coded leadwires are provided.

SETTING

The T4039 temperature scale is marked COOL-WARM with approximate scale divisions of 10° F from 75° F [24° C] midpoint. The range is approximately 55° F to 95° F [13° C to 35° C]. Set the lever at the desired temperature.

To adjust the temperature set point range stops, Fig. 2, locate stops at the desired temperature range set point and insert.

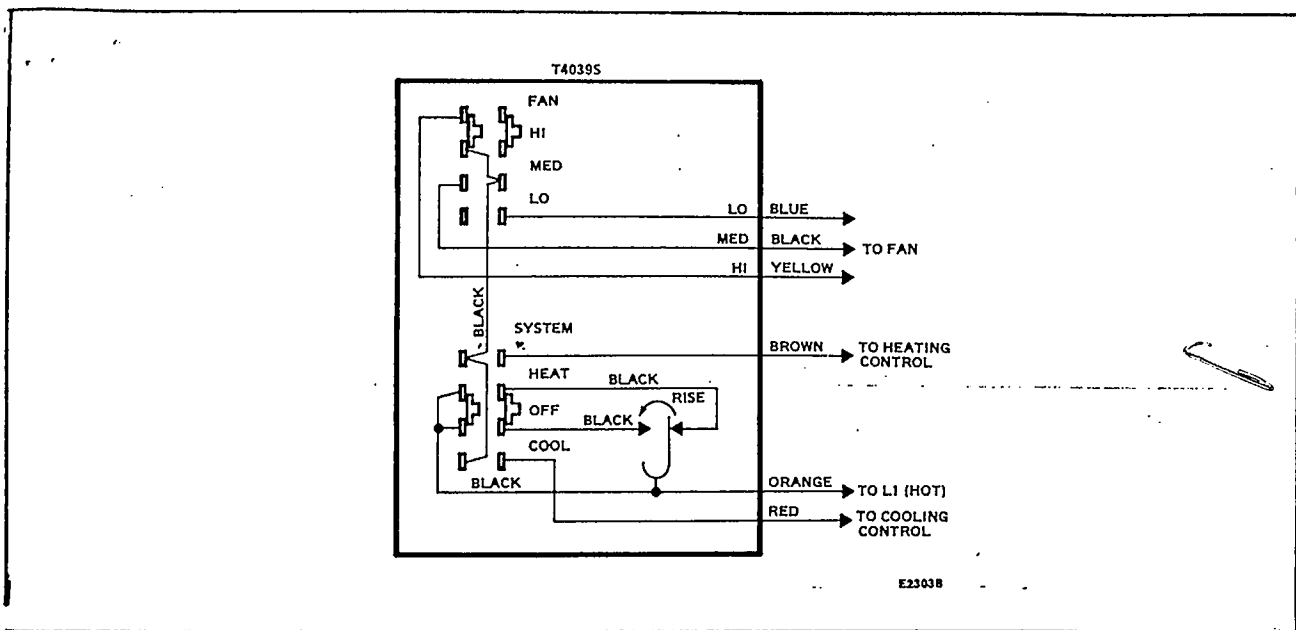


FIG. 3— INTERNAL SCHEMATIC AND EXTERNAL CONNECTIONS.

OPERATION

In heating applications, the HEAT-OFF-COOL switch must be in the HEAT position. As the temperature drops, the thermostat heating contacts make to open a valve that allows hot water to flow through the coil. The speed at which the heat is circulated is controlled manually by the fan switch.

In cooling applications, the HEAT-OFF-COOL switch must be in the COOL position. As the temperature rises, the thermostat cooling contacts close to open a valve that

allows cold water to flow through the coil.

The OFF position breaks all power to the fan and thermostat.

CALIBRATION

The T4039 is accurately calibrated at the factory under controlled conditions. Do not attempt to field calibrate this device.

CHECKOUT

1. Close the disconnect switch (if used) and slide the HEAT-OFF-COOL switch to the HEAT position. Adjust set point above room temperature and check that the heating valve opens.
2. Adjust set point below room temperature and check that the heating valve closes.
3. Slide the HEAT-OFF-COOL switch to the COOL position. Adjust set point below room temperature. Check that the cooling valve opens.

4. Slide the FAN switch through the LO, MED, HI switch positions and check that the fan control is operating properly.
5. Adjust set point above room temperature and check that the cooling valve closes. The fan operates continuously.
6. Adjust thermostat for desired room temperature. If questions arise regarding this product, contact your distributor or local Honeywell representative.

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