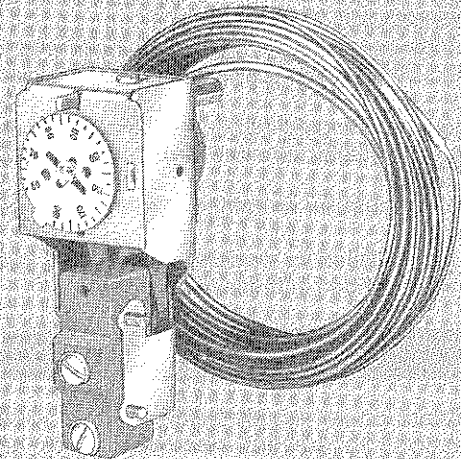


Honeywell

TEMPERATURE CONTROLLER

THE T4031D TEMPERATURE CONTROLLER CONTROLS THE SPACE TEMPERATURE IN TOBACCO CURING BARNES.

- Temperature control range is from 50 F to 190 F [10 C to 88 C].
- Enclosed spst snap switch resists effects of dust and moisture.
- Factory calibration eliminates need for field calibration.
- 17 ft [5.2 m] of capillary tubing permits sensing element to be mounted separately from controller.
- Ambient temperature compensated.



T4031D

SPECIFICATIONS

MODEL: T4031D Temperature Controller utilizes a 45.5 in. [1.2 m] long, liquid-filled sensing element connected to a spring-loaded diaphragm via 17 ft [5.2 m] of capillary tubing. Ambient temperature compensated.

DIMENSIONS: See Fig. 1.

SWITCHING: Spst; makes on temperature fall.

CONTROL RANGE: 50 F to 190 F [10 C to 88 C].

DIFFERENTIAL: 2 F [1.1 C].

ELECTRICAL RATINGS (A):

	120 Vac	240 Vac
Full Load	3.2	1.6
Locked Rotor	19.2	9.6

MAXIMUM AMBIENT TEMPERATURE: 125 F [52 C].

ACCESSORIES:

Q615 Weatherproof Enclosure.

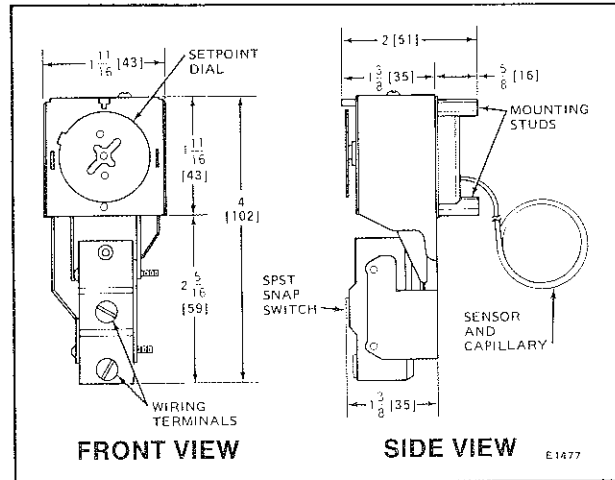


FIG. 1—T4031D MOUNTING DIMENSIONS IN in. [mm IN BRACKETS].

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

CAUTION

Disconnect power supply before making wiring connections to prevent electrical shock and equipment damage.

LOCATION AND MOUNTING

The T4031D Temperature Controller may be mounted horizontally or vertically on any wall or panel. The remote sensing element may be located as far from the controller as the capillary tubing will permit.

NOTE: Sensing surface includes the 45.5 in. bulb and 10 ft of capillary.

The element should be located where it senses the average temperature of the medium controller. Typically, the sensing element is installed in tobacco curing barns, beneath the floor (which is perforated) in the hot air chamber.

The sensing element is coiled when shipped. Carefully unwind the element by hand from the end to prevent breaks, kinks, and sharp bends. (Any small change in the element dimensions will change the device's calibration.) Do not uncoil any unnecessary tubing; leave the extra tubing coiled next to the con-

(continued on page 3)

ORDERING INFORMATION

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

1. Order number.
2. Additional equipment required.

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 DIVISION SALES OFFICE (CHECK WHITE PAGES OF 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 ALL PRINCIPAL CITIES OF THE WORLD.

troller. Protect the tubing from wear if it comes in contact with another surface or will be subject to vibration.

Mount controller on wall or panel, securing with screws through 2 studs in back of controller (Fig. 1). Route bulb and capillary to remote location and secure in place to prevent bending or movement. Leave any excess tubing coiled near controller.

WIRING

Disconnect power supply before wiring to prevent electrical shock or equipment damage. All wiring must agree with applicable codes, ordinances and regulations. Wiring of T4031D in a typical gas burner installation is shown in Fig. 2.

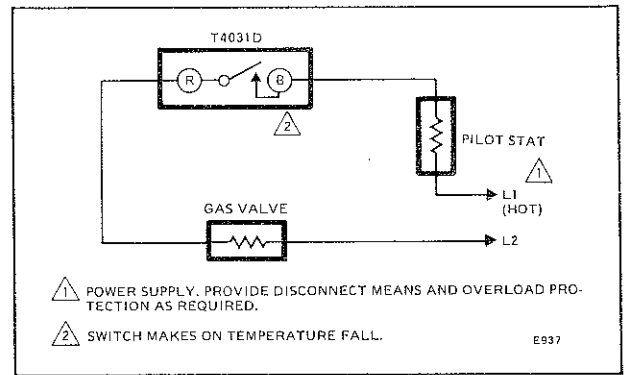


FIG. 2—TYPICAL GAS INSTALLATION.

OPERATION AND CHECKOUT

After the installation of the T4031D is complete, check controller action by raising the temperature set point about 10 F [5.6 C] above the room temperature; heating equipment should begin operating or cooling

equipment should stop. Lower the set point about 10 F [5.6 C] below room temperature. Heating equipment should stop or cooling equipment should begin operating.

If questions arise regarding this product, contact your distributor or local Honeywell representative.