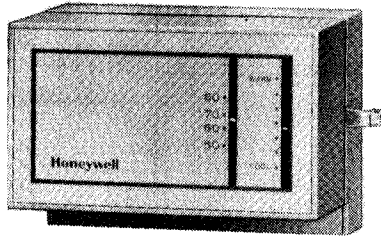


## T641A,B FLOATING CONTROL THERMOSTAT



T641

THE T641A,B ROOM THERMOSTAT PROVIDE SPDT FLOATING CONTROL USED TO CONTROL ACTUATORS IN APPLICATIONS SUCH AS VARIABLE AIR VOLUME (VAV) TERMINAL UNITS.

- T641A standard SPDT Floating control thermostat.
- T641B incorporates momentary system override switch providing external relay connection to be energized for override in Building Management Systems or other applications.
- Model configurations including locking cover, blank cover, thermometer indication, internal or external set point adjustment, and Fahrenheit or Celsius set points.
- T641 has silent, environmentally reliable mercury switches operated by coiled bimetal element.
- Mounts directly on wall or horizontal outlet box; no separate subbase necessary.
- Electrically isolated (voltage type) fixed anticipators allow up to four actuators to be driven from one T641.
- Accessory wallplate allows for retrofit of T641 to existing competitive device installations.

## SPECIFICATIONS

Models: The T641A,B room thermostats provide SPDT Floating control used to control actuators in applications such as Variable Air Volume (VAV) terminal units.

T641A: Standard SPDT Floating control thermostat.

T641B: Incorporates momentary system override switch providing external relay connection to be energized for override in Building Management Systems or other applications.

Model	Feature
T641A1005	Blank, locking cover with internal set point (° F)
T641A1013	External thermometer (° F) with locking cover and internal set point (° F)
T641A1021	External set point (° F) without thermometer
T641A1039	External thermometer (° F) and Warmer-Cooler set point
T641A1047	External thermometer (° C) and Warmer-Cooler set point
T641B1004	Blank, locking cover with internal set point (° F) with momentary system override switch
T641B1012	External thermometer (° F) and Warmer-Cooler set point with momentary system override switch
T641B1020	External set point (° F) less thermometer with momentary system override switch.

### ELECTRICAL RATINGS:

Input voltage: 24 Vac  $\pm$ 20%, 50/60 Hz.

CONTACT RATINGS: 1 Amp @ 24 Vac maximum.

MOMENTARY OVERRIDE SWITCH: 2.5 Amp max.

DIMENSIONS: See Fig. 1.

SWITCHING: SPDT Floating Control. Coiled bimetal sensing element operates mercury switches.

TEMPERATURE ADJUSTMENT: Internal or external lever for heating or cooling set point selection depending on model.

TEMPERATURE SCALE RANGE: 45° F to 85° F [7° C to 29° C].

THERMOMETER RANGE: 45° F to 85° F [7° C to 29° C].

DEADBAND (CONTROL SPAN): 3° F [° C].

ANTICIPATION: Electrically isolated (voltage type) anticipators allow up to four motors to be driven from one thermostat, while also allowing a variety of motors to be used.

AMBIENT TEMPERATURE (SHIPPING): -40° F to 150° F [-40° C to ° C].

OPERATING HUMIDITY: 5 to 95% RH Noncondensing.

MOUNTING: The T641 is intended for horizontal wall mounting only and can be mounted either directly to a wall surface or a horizontal electrical outlet box. In order to insure proper thermostat operation, the device must be mounted level.

APPROVALS: Underwriters Laboratories Inc. and Canadian Standards Association listings pending.

### ACCESSORIES:

221618—Wallplate for replacement of competitive devices.

ML6161A1019—Direct Coupled Actuator with 7 minute timing.

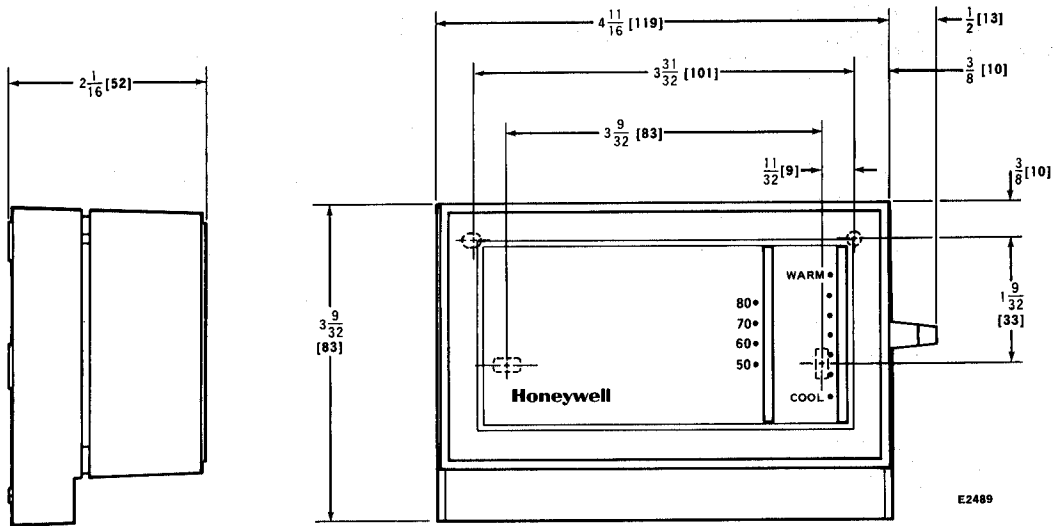


Fig. 1—DIMENSIONS OF T641A,B IN in. [mm IN BRACKETS].