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> Line Voltage Thermostats > T6051

T6051A1016

Thermostat, Heavy Duty Line Voltage, Application: Heating and cooling, Use with: Q651A, B subbases for system and fan switching
Hazmat# UN2037 Receptacles, small, containing gas (gas cartridges), 2.1, LTD. QTY.

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Overview

Heavy Duty Line Voltage Thermostats are used to control fan coils, fans, motor starters, valves, contactors, and circulator motors in heating and/or cooling systems.

Features

- Provide good line voltage comfort control.
- Use with Q651A,B subbases for system and fan switching.
- Removable setpoint knob locks setpoint and prevents tampering.
- With locking cover.

Product Specifications

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Description	Thermostat, Heavy Duty Line Voltage, Application: Heating and cooling, Use with: Q651A, B subbases for system and fan switching
Application	Heating and cooling
Setting Temperature Range (F)	50 F to 80 F
Switching Action	SPDT
Color	Plastic cover, tan
Electrical Connections	Screw Terminal
Dimensions (in.)	5 in. high x 3 1/8 in. wide x 1 5/8 in. deep
Dimensions (mm)	127 mm high x 79 mm wide x 41 mm deep

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Product Accessories

- ▣ 23394B - Locking guard for T42, T92, T451, T498, T651, T4051, T6051, T6052
- ▣ 135531J - Scaleplate, vertical, Celsius, 10 C to 25 C.

Quick Links

- ▣ Tradeline Catalog Printed Version (114 MB)
- ▣ Tradeline Catalog CD-ROM version (50 MB)

Locators

- ▣ ACI Contractor
- ▣ Residential Contractor
- ▣ Distributor

Differential Temperature (F)	1 F
Differential Temperature (C)	0.6 C
Voltage	120 Vac
Voltage	240 Vac
Frequency	50/60 Hz
Electrical Ratings	120 Vac: 16 AFL, 96 ALR
Electrical Ratings	240 Vac: 8 AFL, 48 ALR
Electrical Ratings	Resistive 22A @ 120 Vac, 19 A @ 277 Vac
Electrical Ratings	Pilot Duty 125 VA
Sensor Element	Vapor filled dual diaphragm
Approvals, Underwriters Laboratories Inc	Listed: File No. E4436, Guide No. XAPX.
Approvals, Canadian Standards Association	CSA Certified: File no. LR1620
Includes	Locking cover
Used With	Q651A, B subbases for system and fan switching

Literature and other Resources Download [→ Back To Top](#)

- Heavy-Duty Thermostats(Specification Data - PDF)
- Explosion-proof Heavy Duty Thermostat(Installation Instructions - PDF)
- Explosion Proof Heavy Duty Thermostat, Form 60-0116 Addendum(Addendum)
- Heavy Duty Thermostat TRADELINE(Installation Instructions - PDF)
- Heavy Duty Thermostats(Installation Instructions - PDF)

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All models except T6051B—

		120 Vac AC	240 Vac AC
T4051A,B,D ^a			
T6051A (heat)	Full Load	16.0	8.0
T6052A (N.C. contacts)			
T6052B (auto changeover heat and cool)	Locked Rotor	96.0	48.0
T6051A (cool)	Full Load	8.0	4.0
T6052A (N.O. contacts)	Locked Rotor	48.0	24.0

T6051B Only—

		120 Vac AC	240 Vac AC
Heating	Full Load	10.2	6.5
	Locked Rotor	61.2	39.0
Cooling	Full Load	7.4	4.0
	Locked Rotor	44.4	24.0

^a T4051D also has resistive rating—22 amp at 120/240 Vac; 19 amp at 277 Vac.
Pilot Duty Rating (all models)—125 VA.

DIFFERENTIAL:

T4051, T6051—1 F [0.6 C].

T6052A—

—stage 1 heat, stage 2 cool—2.5 F [1.4 C] (nominal).

—stage 2 heat, stage 1 cool—3.2 F [1.8 C] (nominal).

T6052B—

—stage 1 heat—2.5 F [1.4 C] (nominal).

—stage 2 heat—3.2 F [1.8 C] (nominal).

SWITCHING: Snap-acting switch makes on temperature fall for heating and on temperature rise for cooling. On T6052A, two switches make in sequence for two-stage heating or cooling. On T6052B, two switches make in sequence for auto changeover.

SCALE RANGE:

Fahrenheit—46 to 84 F; scale marked 50, 60, 70, 80.

Celsius—8 to 29 C; scale marked 10, 15, 20, 25.

MOUNTING: All models except T6051B mount directly on standard outlet box. T6051B cast housing serves as outlet box.

COVER: Molded cover.

DIMENSIONS, IN INCHES [MILLIMETERS IN BRACKETS]: All models except T6051B—5 [127] high, 3-1/8 [79.4] wide, 1-5/8 [41.3] deep. Switches and wiring terminals protrude into outlet box 7/8 inch [22.2 mm]. T6051B—see Fig. 1.

OPTIONAL SPECIFICATIONS:

1. T6051A with WARMER-COOLER scale; moisture fungus treated.
2. T6051A, 46 to 84 Fahrenheit scale, for horizontal mounting.
3. T6051A with Celsius scale. Mounts either horizontally or vertically.
4. T6052A with Celsius scale. Mounts either horizontally or vertically.
5. T6052B with Celsius scale. Mounts either horizontally or vertically.
6. T4051, T6051A, or T6052 with metal cover.
7. T4051, T6051A, or T6052 without thermometer.

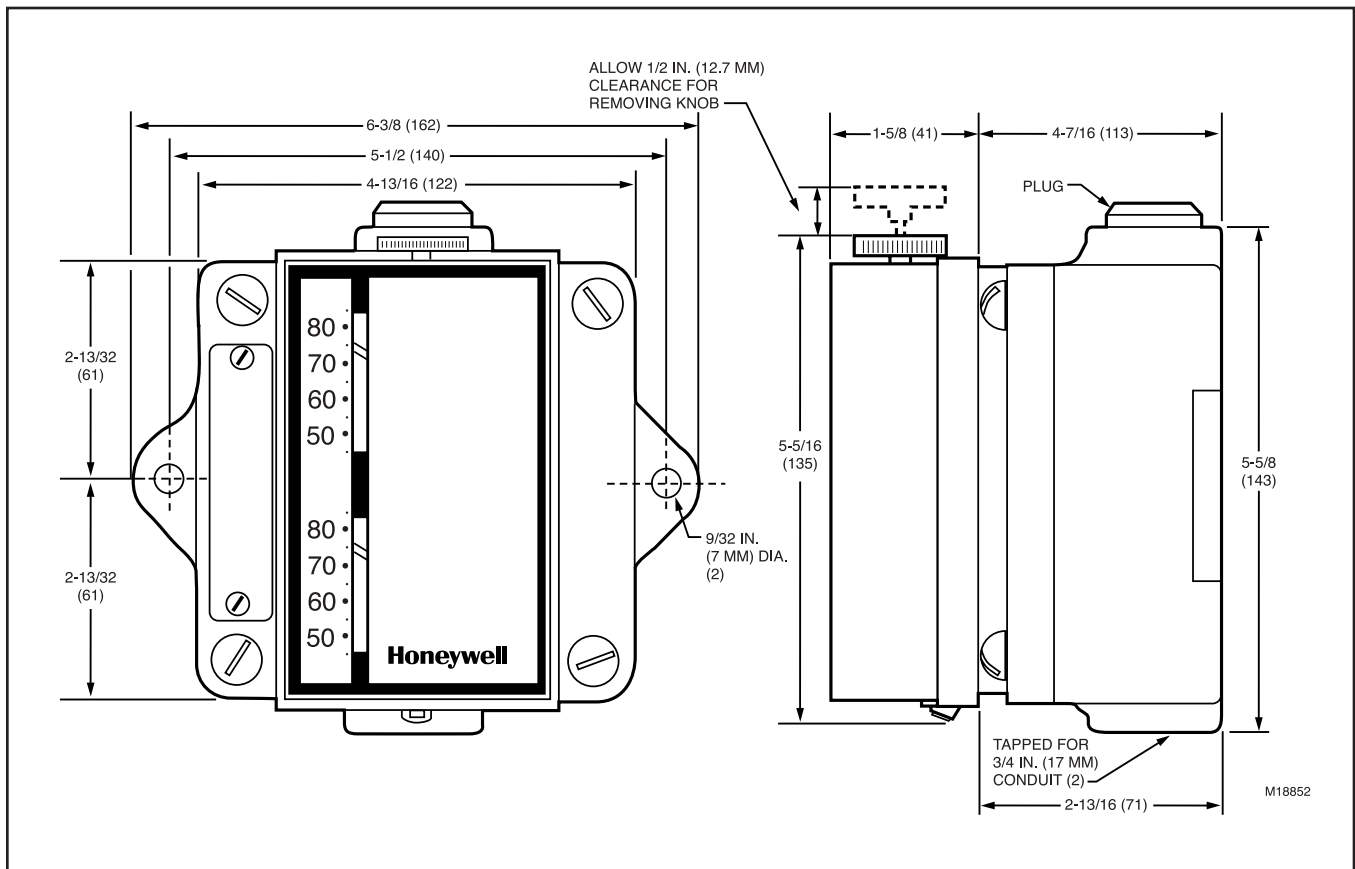


Fig. 1—DIMENSIONS IN INCHES [mm IN BRACKETS]