

Line and Low Voltage Commercial Thermostats

T451; T651 Light Duty Line Voltage Thermostats

Control line voltage valves, motors, contactors, electric heat elements, duct furnaces, and fan coil units in heating/cooling systems.



- Automatic cooling and heating anticipation.
- Mount on standard vertical or horizontal outlet box.

APPROVALS:

Underwriters Laboratories Inc. Listed:
T451A, T651A: File E4436, Guide XAPX.
Canadian Standards Association Certified:
T451A: LR95329-6.

TEMPERATURE RATINGS:

Fixed Differential: 2 F (1 C): (Wider differential when load exceeds 4A.)

DIMENSIONS, APPROXIMATE: 4⁷/₃₂ in. (114 mm) high, 2³/₁₆ in. (70 mm) wide, 1³/₁₆ in. (46 mm) deep (switches and wiring terminals protrude into outlet box ¹/₁₆ in. (17 mm)).

ELECTRICAL RATINGS (A):

	Voltage	
	120 Vac	208/240/277 Vac
Full Load	8.0	4.0
Locked Rotor	48.0	24.0
Resistive (heating contacts only)	7.2	7.2

Pilot Duty: 125 VA.

ACCESSORIES:

Q473A2006 Switching Subbase for use with T651A for HEAT-OFF-COOL manual system switching.

Q473B2005 Switching Subbase for use with T451A/T651A for AUTO/OFF switching in heating only or cooling only applications.

220213 Wallplate: Supplied with SUPER TRADELINE model T651A. Covers series 1000 T451A/T651A wall marks when installing series 2000 T451A/T651A.

Thermostat Guard: TG511 and TG512 Versaguard Universal Thermostat Guards, see index for page.

For additional accessories, see Parts and Accessories at the end of this section.

- *SUPER TRADELINE model.*

Order Number	Application	Temperature Ratings, Operating Range ^b		Switching Action	Includes
		F	C		
T451A2007 ^a	Heating	35 to 95	2 to 35	Spst—breaks on temperature rise.	Locking cover and setpoint; thermometer; and adjustable range stops.
T451A2015 ^a	Heating				Positive OFF.
T451A2049 ^a	Heating	40 to 70	4 to 21		Locking cover and range stops without visible thermometer; positive OFF.
T651A2002 ^a	Heating and cooling	41 to 86	5 to 30	Spdt—breaks heating and makes cooling on temperature rise.	Vertical and horizontal faceplates, Celsius Scaleplate.
•T651A2028 ^a		35 to 95	2 to 35		Locking cover screw; thermometer; vertical, horizontal, and blank faceplates; wallplate, and adjustable range stops.
T651A2036 ^a					Vertical and horizontal faceplates.

^a Q473A Subbase provides manual system switching in heating/cooling systems. Q473B Subbase provides AUTO-OFF switching in heating only or cooling only systems. Order subbase separately.

^b With range stops removed.