

# Thermostats—Electromechanical Programmable

## T8095; TS8095 Chronotherm® Thermostats



Low voltage thermostats combine energy saving temperature control with a self-starting 24 Vac clock. Direct replacement for T8085A; TS8085A.

### CONSUMER BENEFITS

Proven reliability and performance provide comfort with energy savings:

- Energy savings with winter setback and summer setup.
- Multiple setback or setup periods can be programmed, providing three or more temperature changes per day.

### INSTALLER BENEFITS

Easy-to-use programming:

- Thermostat is easily programmed by placing color-coded pins in clock program dial.
- Program pins, program indicator, and temperature setting levers are color-coded for easy recognition.
- Program advance button allows you to temporarily override current program without reprogramming.
- Program status indicator on cover shows whether system is in comfort or energy savings mode.

The choice for professional technicians:

- Clock is powered by 24 Vac transformer with battery backup (batteries not included).
- TS8095A1010 includes jumper for steam applications; clip jumper for other applications.

- T8095A1002 date coded after 9427 can be field-calibrated.
- Terminal barriers on wallplate and subbase permit straight-in or conventional wraparound wiring connections.
- Add Q682B,D Subbase for system and fan switching in heating-cooling systems.

### ELECTRICAL RATINGS:

System: 24 to 27 Vac (15 Vac minimum), 60 Hz.

Clock: 24 to 27 Vac (15 Vac minimum), 60 Hz.

Switch Ratings: T8095A:

Operating Mode	Max. Current at 24 Vac	
	Running	Inrush
Heating	1.5A	3.5A
Cooling		7.5A

Heat Anticipator: 0.1 to 1.2A, adjustable.

Cool Anticipator: fixed voltage type.

TS8095A: 0.1A at 750 mVdc.

### TEMPERATURE RATINGS:

Setpoint Range: 42 F to 88 F (6 C to 31 C).

SWITCHING ACTION: Each coiled bimetal element operates each sealed mercury switch; spdt (T8095), spst (TS8095).

DIMENSIONS, APPROXIMATE: (mounted on wallplate): 6-3/4 in.

(171 mm) wide, 3-9/16 in. (91 mm) high, 1-3/4 in. (44 mm) deep (2-3/32 in. (53 mm) deep with Q682 Subbase).

### ACCESSORIES:

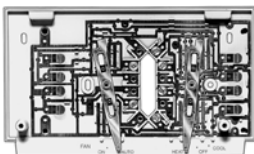
See Parts and Accessories at end of this section.

TG512 Versaguard Universal Thermostat Guards. See Index for specific page number.

ORDER NUMBER	Application	Replaces	Includes	Finish	Terminal Designations
TS8095A1010 <sup>a</sup>	For 750 mV heating-only systems.	TS8085A1003	191108AC Wallplate, two outlet box mounting screws, and three wall screws; and jumper for steam applications.	Beige	R, W, C, C, Y (unmarked)

<sup>a</sup> Cannot be field-calibrated.

## Q682 Thermostat Subbases



Provide system and fan switching and mounting base for T8090, T8095, TS8095 and T8190 Chronotherm thermostats in heating-cooling systems.

- Mount directly on wall or on horizontal outlet box.

\*TRADELINE models. ●SUPER TRADELINE models.

### ELECTRICAL RATINGS:

Contacts:

Q682B,D: 2.5A running, 7.5A inrush at 27 Vac;

Q682A: 1.5A running, 7.5A inrush at 27 Vac.

DIMENSIONS, APPROXIMATE: 4 in (102 mm) high, 6-3/4 in.

(172 mm) wide, 7/8 in. (22 mm) deep.

ORDER NUMBER	Application	Switch Positions		Use With	Terminal Designations
		System	Fan		
*Q682B1011	With RC-RH terminals for isolated heating-cooling circuits.	HEAT-OFF-COOL	ON-AUTO	Use with T8095A for 24V powered clock. Use with T8090A or T8190A for battery, system, or transformer powered clock.	C, C, R <sub>H</sub> , R <sub>C</sub> , G, W, Y
●Q682B1201	With RC-RH terminals for isolated heating-cooling circuits, and O and B terminals.				C, C, R <sub>C</sub> , R <sub>H</sub> , B, O, G, W, Y
●Q682B1219 <sup>a</sup>					

<sup>a</sup> Gray color for use with T8090A1023 Premier White Thermostat.