

T87F Thermostat—The Round®

Provides temperature control for 24 to 27 Vac residential heating, cooling or heating-cooling systems.



- Available with two- or three-wire wallplate for heating-only, cooling-only, or heating-cooling systems with remote switching.
 - Adjustable heat anticipator for comfortable temperature control.
 - Use Q539 Subbase in heating and cooling systems requiring system and fan switching at the thermostat location.
 - Knurled dial provides easy set point adjustment.
 - Separate temperature setting and thermometer scale on thermostat face.
 - Honeywell offers other T87F models to meet specific needs and applications.
 - The Easy-To-See T87F Thermostat with enlarged scale and raised designations.
 - TS86A Powerpile® Thermostat for use on millivolt systems.
- (See Index for specific page numbers.)

ELECTRICAL RATINGS:

Switch Ratings: Mercury, at 30 Vac.

Circuit	Full Load	Locked Rotor	Resistance
Heating	1.5A	3.5A	2.0A
Cooling	1.5A	7.5A	2.0A

ANTICIPATOR SETTINGS:

Heating: 0.1A to 1.2A.

Cooling: 0A to 1.5A, 24 to 27 Vac.

DIMENSIONS, APPROXIMATE:

	Diameter		Depth	
	in.	mm	in.	mm
T87F	3¼	83	1½	38
T87F with 137421 Wallplate or Q539 Subbase	3 ¹¹ / ₁₆	94	1¾	45

SWITCHING ACTION: Spdt mercury switch.

REPLACEMENT PARTS:

114855-00029 Gold Thermostat Cover Ring.

ACCESSORIES:

104456B Gold Wallplate Assembly, two terminals (heating-only models). Includes terminal screws.

104994A Calibration Wrench.

129044A Gold Adapter Kit includes 6 in. cover ring, adapter ring and screws for mounting T87F/Q539 on outlet box or to cover mounting marks from old thermostat.

137421A Gold Wallplate Assembly for heating and cooling systems.

For T87F without positive OFF. Includes spdt heating-only (series 20) alternate terminal markings and cooling (also series 20) anticipator; 2000 ohm resistor; three-wire.

137421B Gold Wallplate Assembly for heating and cooling systems.

For T87F with positive OFF; 3300 ohm resistor.

137421R Premier White Wallplate Assembly for heating and cooling systems; three-wire.

198170A Designer Beige Wallplate Assembly, three terminals. Includes 6 in. (152 mm) decorator ring.

198172 Designer Beige Thermostat Cover Ring.

202687A Premier White Adapter Kit (same as 129044A except Premier White color). Includes 6 in. cover ring, adapter ring and screws for mounting T87F/Q539 on outlet box or to cover mounting marks from old thermostat.

221886A Easy-To-Use™ Clear Ring. Durable plastic ring snaps on to T87F3467 dial to allow those with limited hand strength or movement impairments to easily operate thermostat. For use on T87F3467s with date code after 9244.

TG503A1000 Metal Thermostat Guard. Includes locking cover, backplate, and bracket for mounting on a standard size outlet box. Also includes 104456B Two-terminal Wallplate. Not for use with T87F mounted on 137421 Wallplate or Q539 Thermostat Subbase.

TG587F1008 Custom Thermostat Guard with window.

TG587F1016 Custom Thermostat Guard without window.

Additional thermostat guards available; see Index for page numbers.

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

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Thermostats—Electromechanical Non-Programmable

T87F continued

*TRADELINE models. • SUPER TRADELINE models.

Order Number	Temperature Ratings		Terminal Designations	Finish	Includes	Comments	
	Scale Range ^b						
	F	C					
T87F1826	60 to 90	16 to 32	R, W	Gold	Locking cover and locking dial.	Adjustable temperature range stops.	
•T87F1859 ^a	40 to 90	4 to 32	R (5), W (4), Y (6)		6 in. (152 mm) cover ring, 137421A 3-terminal Wallplate.	Replaces heating, cooling, and heating-cooling models (use Q539 for heating-cooling). Alternate series 20 terminal markings on 137421A Wallplate.	
*T87F1867	50 to 90	10 to 32			6 in. (152 mm) cover ring, 137421B 3-terminal Wallplate.	With positive OFF (Series 20).	
T87F2360	40 to 90	7 to 24	R, W		104456B Wallplate.	Fixed temperature range stops at 45 F and 75 F.	
T87F2378	50 to 100	10 to 38			—	For use in W884.	
*T87F2782	35 to 65	2 to 18	R (5), W (4), Y (6)	Gold	Locking cover and locking dial. Allenhead screws and wrench included for locking cover. 137421A 3-terminal Wallplate.	Adjustable temperature range stops.	
*T87F2790	45 to 75	7 to 24			Locking cover and locking dial.	Field adjustable temperature range stops; stop factory-set at 68 F (20 C).	
T87F2816	38 to 72	3 to 22	R, W		Locking cover and locking dial. No thermometer. Wallplate and screws included.	Heating only. Meets DoD Specifications.	
T87F2824	78 to 112	26 to 44	R (5), Y (6)			Cooling only. Meets DoD Specifications.	
*T87F2873	40 to 90	4 to 32	R, W		104456B Wallplate.	Concealed 2-terminal heating only wallplate.	
*T87F3467			R (5), W (4), Y (6)		137421A Wallplate and switch position labels.	Enlarged scale and raised designations; Easy-To-See model.	
*T87F3855			R, W		Premier White	104456B Wallplate. Same as T87F2873 except Premier White.	Concealed 2-terminal heating only wallplate.
*T87F4002					Designer Beige	104456B Wallplate.	Use with Q539A4000 for heating-cooling.
•T87F4010			None; use Q539.			6 in. (152 mm) cover ring, 137421A 3-terminal Wallplate.	Replaces heating, cooling, and heating-cooling models (use Q539 for heating-cooling). Alternate series 20 terminal markings on 137421A Wallplate.
*T87F5199			R (5), W (4), Y (6)		Premier White	137421A Wallplate and switch position labels.	Enlarged scale and raised designations; Easy-To-See model.

^a Use T87F1859 as a replacement for former TRADELINE model T26A1433 and T87C1252.

^b Temperature scale in Fahrenheit on thermostat.