

Thermostats—Electromechanical Non-Programmable

Q539 Thermostat Subbases

Provide system and fan switching, and mounting for T87F Thermostats.

- Include cooling anticipator and letter-coded screw terminals for electrical connections.
- Wide range of switching functions fits most heating, cooling or heating-cooling applications.
- Mount directly on wall or on an outlet box using optional 6 in. (152 mm) cover ring or adapter plate assembly.



ELECTRICAL RATINGS: 2A at 24 Vac.

Voltage: Special Indicator Light Models: 28 Vac.

DIMENSIONS, APPROXIMATE: (with T87F): 3¹/₁₆ in. (94 mm) diameter, 1¹/₄ in. (45 mm) deep.

ACCESSORIES:

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.

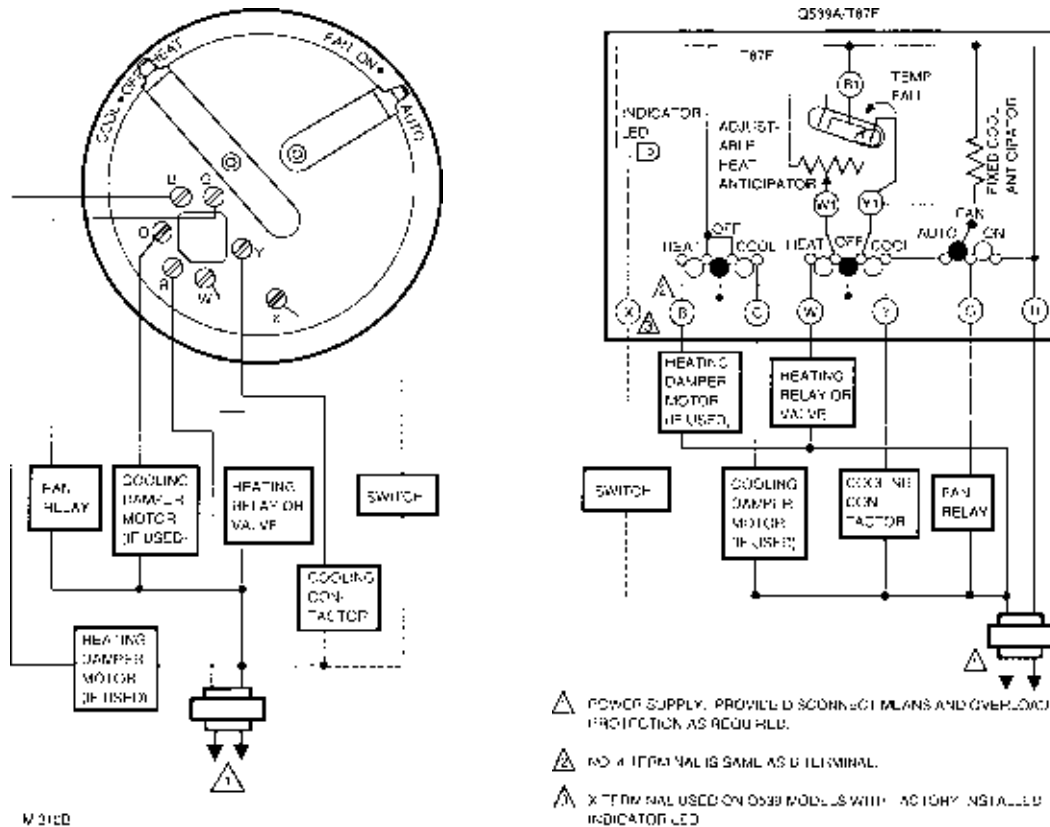
135734A Indicator Light Assembly. Field addable. Includes light bulb with 2⁹/₁₆ in. (70 mm) leadwires with spade terminals, black retainer plate, two self-tapping screws, and four lenses. Q539 lenses indicate FILTER or CHECK for pre-1990 models only.

198170A Designer Beige Adapter Kit (same as 129044A except Designer Beige color).

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.

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

Typical hookup and internal schematic for Q539/T87F in heating-cooling application using common power supply.



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Q539 continued

Terminal	Connection
R	Transformer.
R _H	Heating transformer with isolated heat-cool circuits.
R _C	Cooling transformer with isolated heat-cool circuits.
W	Heating relay or valve coil.
Y	Cooling contactor coil.
B(4)	Heating damper (if used). Circuit only completed between R and B with system switch in heat position; "4" terminal is the same as Honeywell "B" terminal.
O	Cooling damper (if used). Circuit only completed between R and O with system switch in cool position.
G	Fan relay coil.
X	Clogged filter or lockout switch. Available only on subbases with indicator light.
P	Heat pump contactor coil.
Z	Q539H—low voltage fan switch for control of fan relay in AUTO position for both heating and cooling control.

^a R, W, and Y, are not marked on thermostat subbase. They are mounting posts and electrical connections for the thermostat.

*TRADELINE models.

Order Number	Switch Positions		Terminal Designations	Finish	Comments
	Fan	System			
*Q539A1014	ON-AUTO	COOL-OFF-HEAT	R,W,Y,B,G,O	Gold	For conventional single transformer heating-cooling systems. Replaces Q539C1020.
Q539A1022	ON-AUTO	COOL-OFF-RESET-HEAT	R,W,Y,B,G,O		With RESET on system switch.
Q539A1121	ON-AUTO	COOL-OFF-HEAT	R,W,Y,B ^a ,G,O		Cooling anticipator designed for use with gas air conditioners.
*Q539A1147	ON-AUTO	COOL-OFF-HEAT	R _C ,W,Y,G,R _H		Independent heat-cool circuits.
Q539A1162	ON-AUTO	COOL-OFF-HEAT	R,W,Y,B,G,O		For use in W884 Comfort Center.
Q539A1196	ON-AUTO	COOL-OFF-HEAT	R,W,Y,G		Isolated fan circuit.
*Q539A1451	ON-AUTO	COOL-OFF-HEAT	R,W,Y,G,R _H	Premier White	Independent heat-cool circuits. Same as Q539A1147, except Premier White.
*Q539A1469	ON-AUTO	COOL-OFF-HEAT	R,W,Y,B,G,O		For conventional single transformer heating-cooling systems. Same as Q539A1014, except Premier White.
*Q539A4000	ON-AUTO	COOL-HEAT-OFF	R _C ,W,Y,G,R _H	Designer Beige	Independent heat-cool circuits.
*Q539A4026	ON-AUTO	COOL-OFF-HEAT	R,W,Y,B,G,O		For conventional single transformer heating-cooling systems.
Q539B1005	NONE	COOL-OFF-HEAT	R,W,Y,O,B	Gold	Internal system fan control.
*Q539C1020	ON-AUTO	COOL-OFF	R,Y,G,O		Use on cooling only systems.
Q539G1000	ON-AUTO	HEAT-OFF	R,W,B,G,1		For summer fan operation; without fan control.
Q539H1009	ON-AUTO	NONE	R,W,Y,G,Z		With extra terminal for low volt fan control in AUTO position.
Q539J1006	AUTO-ON	COOL-OFF-HEAT	R,W,Y,B,G,O,P		Automatic fan on both heating and cooling. For heat pump and electric heat.
Q539J1022	AUTO-ON	COOL-OFF-HEAT	R,W,Y,B,G,O,P		Automatic fan on both heating and cooling. For heat pump and electric heat. For use in W884 Comfort Center.
Q539J1154	AUTO-ON	COOL-OFF-HEAT	R,W,Y,B,G,O,P	Premier White	Automatic fan on both heating and cooling. For heat pump and electric heat. Same as Q539J1009, except Premier White.

^a Subbase has "4" terminal, which is same as Honeywell "B" terminal.