

Non-Programmable Thermostats

T8775A,C The Digital Round® Non-Programmable Thermostats



The Digital Round® Thermostats provide 24V control of heating only or heat/cool systems.

- Attractive styling complements any decor
- One-touch backlit display
- Familiar twist-to-see operation
- Available in Heat/Cool and Heat Only models

Dimensions, Approximate: 3 11/16 in. diameter x 1 7/16 in. deep
(94 mm diameter x 37 mm deep)
Display Size: 0.75 sq in.
Operating Humidity Range (% RH): 5 to 90% RH (non-condensing)
Accuracy: ±1 F (±0.5 C)
Cycles per Hour: Adjustable 1, 3, 6, 9
Switch Type: Electronic
Cooling: 0.02A to 1.5A running; 6.0A inrush
Heating: 0.02A to 1.5A running; 3.5A inrush
Fan: 0.02A to 0.5A running; 2.5A inrush
Electrical Ratings: 18 to 30 Vac
Frequency: 60 Hz
Power Method: Powered through system heating controls

Sensor Element: Thermistor
Color: Premier White®
Mounting: Round
Comments: Large easy-to-see backlit display
Includes: Wallplate, resistor assembly, mounting screws and wall anchors

Accessories:
50000066-001-Decorative Cover Plate for T8775 or T87K,N

Replacement Parts:
50034437-001-T8775 Resistor/Transorb Bag Assembly

Product Number	Application	Switch Positions		Terminal Designations	Stages	Temperature Setting Range	
		System	Fan			(F)	(C)
T8775A1009/U	Heat Only	—	—	R, W	1 Heat	40 to 90	4.5 to 32
T8775C1005/U	1 Heat/1 Cool Conventional Systems and Heat Pumps with No Auxiliary Heat	HEAT-OFF-COOL	AUTO-ON	R, Rc, W, Y, G, O, B	1 Heat/1 Cool	40 to 90 in heat; 45 to 99 in cool	4.5 to 32 in heat; 7 to 37 in cool

T87K,N The Round®



Operating Humidity Range (% RH): 5 to 90% RH (non-condensing)
Accuracy: ±1 F (±0.5 C)
Cycles per Hour: Adjustable 1, 3, 5, 9
Switch Type: Relay
Heating: 0.02 A to 1.0 A running
Electrical Ratings: 20 to 30 Vac
Frequency: 50 Hz; 60 Hz
Power Method: Battery assisted power stealing
Sensor Element: Thermistor
Color: Premier White®
Mounting: Round

The Round® thermostats provide electronic control of 24Vac heating and cooling systems with the classic twist to set dial.

- Mercury Free
- Classic Styling
- Premier White®
- The T87K heat only works with 2 or 3 wire heat-only systems

Accessories:
50000066-001-Decorative Cover Plate for T8775 or T87K,N
50010944-001-Range Stop Assembly

Product Number	Application	Switch Positions		Terminal Designations	Stages	Temperature Setting Range (F)	Dimensions, Approximate		Comments	Includes
		System	Fan				(inch)	(mm)		
T87K1007/U	Heat Only	—	—	R, W, Y	1 Heat	40 to 90	3 11/16 in. diameter x 1 3/4 in. deep	94 mm diameter x 45 mm deep	—	—
T87N1000/U	1 Heat/1 Cool Conventional Systems and Heat Pumps with No Auxiliary Heat	HEAT-OFF-COOL	AUTO-ON	R, Rc, W, Y, G, O, B	1 Heat/1 Cool	40 to 90	3 11/16 in. diameter x 1 3/4 in. deep	94 mm diameter x 45 mm deep	—	—
T87N1026/U	1 Heat/1 Cool Conventional Systems and Heat Pumps with No Auxiliary Heat	HEAT-OFF-COOL	AUTO-ON	R, Rc, W, Y, G, O, B	1 Heat/1 Cool	40 to 90	4 in. diameter x 1 3/4 in. deep	102 mm diameter x 45 mm deep	EASY-TO-SEE model with Large raised markings and a click at each 2 degree setpoint change	6 in. (152 mm) cover ring and switch position labels