

# 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