



The new degree of comfort.™

HOME COMFORT OPTIONS THERMOSTATS



**Thermostats that
fit every customer.**

The clear choice in professional thermostats, these are the perfect fit for every application with universal, conventional and heat pump models. The standard footprint makes replacements and upgrades easier than ever without leaving visible marks on the wall from the old thermostat.



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MODEL	PROGRAM OPTIONS				MAX STAGES HEAT/COOL		APPLICATIONS			POWER SOURCE		SELECTABLE PERFORMANCE FEATURES				COMFORT & CONVENIENCE FEATURES		
	7-day	5+1+1 Day	Programmable	Program Periods/Day	Conventional	Heat Pump	Gas/Oil/Electric	3-wire Zone Valve	Millivolt Compatible	Battery	Hardwired (24V)	Auto Changeover	EMR/Early Start Program	Temperature Setpoint Limits Adjustable Max./Min.	Dual Fuel Control (L)-Logic/(O)-Outdoor Sensor	Filter Change Reminder	Keypad Lockout	Continuous Backlight w/ Common Wire
RHC-TST83C-11NP				0	1/1	1/1	•		•	•			•			•	•	•
RHC-TST83C-11PR	7	5+1+1	•	4,0	1/1	1/1	•		•	•		•	•		•	•	•	•
RHC-TST83H-21NP				0		2/1	•			•			•	L		•	•	•
RHC-TST83H-21PR	7	5+1+1	•	4,0		2/1	•			•		•	•	L	•	•	•	•
RHC-TST85U-22NP				0	2/2	2/1	•	•	•	•	•		•	L		•	•	•
RHC-TST85U-22PR	7	5+1+1	•	4,2,0	2/2	2/1	•	•	•	•	•	•	•	L	•	•	•	•
RHC-TST85U-42NP				0	2/2	4/2	•	•	•	•	•		•	L		•	•	•
RHC-TST85U-42PR	7	5+1+1	•	4,2,0	2/2	4/2	•	•	•	•	•	•	•	L	•	•	•	•

FEATURES

Easy Installation

All models are easy to install and set-up with a built-in level and universal back plate for more opportunities for upgrades in the future.

Large, Backlit Display

Modern design with a large, easy-to-read screen with a bright backlit display.

Proven Performance

Over 75 years of experience along with our ±1° temperature accuracy guarantee.

Advanced Features

Temperature limits and keypad lockout are standard on every model. Select models feature auto changeover, filter change reminders, dual fuel control and selectable programming.

TERMINAL DESIGNATIONS

Universal RHC-TST85U-22NP, RHC-TST85U-22PR, RHC-TST85U-42NP, RHC-TST85U-42PR



Heat Pump RHC-TST83H-21NP, RHC-TST83H-21PR



Conventional/Heat Pump, Single Stage

RHC-TST83C-11NP, RHC-TST83C-11PR



SPECIFICATIONS

Electrical Rating

Battery Power: mV to 30 VAC
Hardwire: 20 to 30 VAC
NEC Class II, 50/60 Hz

Setpoint Range

45°F to 99°F (7°C to 37°C)

Accessories

Wallplate: F61-2663 (6-3/4" x 4-1/2")
Thermostat Guard: F29-0198

Display Temperature Range

32°F to +99°F (0°C to 37°C)

Rated differentials (@ 6°F/HR)

	FAST	MED	SLOW
Heat (Conventional Gas/Oil/Electric)	0.5°F	0.75°F	1.9°F
Cool (Central Air)	0.9°F	1.2°F	1.7°F
Heat Pump (Heat and Cool)	0.9°F	1.2°F	1.7°F
Heat Pump (Aux)	0.5°F	0.75°F	1.9°F

Terminal Load

Staging Models	1.5 A per terminal 2.5 A per max. all terminals combined
Single Stage Models	1.0 A per terminal 1.5 A per max. all terminals combined

Operating Ambient

32°F to +105°F (0°C to +41°C)

Operating Humidity

90% non-condensing max

Shipping Temperature

-20°F to +150°F (-29°C to +65°C)

Thermostat Dimensions

H3-3/4" x W6" x D1-1/8"

In keeping with its policy of continuous progress and improvement, Rheem reserves the right to make changes without notice.

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