

THERMOSTATS

100-Series
NON-PROGRAMMABLE
RHC-TST101GESS
RHC-TST102HPMS
RHC-TST103UNMS

200-Series
PROGRAMMABLE
RHC-TST201GESS
RHC-TST202HPMS
RHC-TST203UNMS

300-Series
DELUXE PROGRAMMABLE
RHC-TST301GESS
RHC-TST302UNMS
RHC-TST303UNMS
RHC-TST304UNMS
RHC-TST305UNMS

400-Series
SPECIAL APPLICATIONS/
PROGRAMMABLE
RHC-TST402DFMS
RHC-TST412MDMS

500-Series
COMMUNICATING/
PROGRAMMABLE
RHC-TST501CMMS








Model Number Identification

Brand		Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/Programmable	GE=Gas/Oil/Electric HP=Heat Pump MD=Modulating Furnace DF=Dual Fuel UN=Universal (AC/HP/GE) CM=Communicating	SS=Single-Stage MS=Multi-Stage

RHEEM THERMOSTATS

100-Series, 200-Series, 300-Series, 400-Series, 500-Series



100-SERIES NON-PROGRAMMABLE MODEL #		DESCRIPTION	TERMINALS	POWER SOURCE
	RHC-TST101GESS	1H/1C,GE	Rc,Rh,W,Y,G,O,B	Battery
	RHC-TST102HPMS	2H/1C,HP	R,C,Y,W2,G,B/O,L*,E	Hardwired
	RHC-TST103UNMS	2H/2C,GE,HP	R,C,Y1,E/W1,W2,G,(O/B)/Y2,L*	Hardwired
200-SERIES PROGRAMMABLE MODEL #		DESCRIPTION	TERMINALS	POWER SOURCE
	RHC-TST201GESS	1H/1C,GE	C,Rc,Rh,W,Y,G,O,B	Battery/Hardwired
	RHC-TST202HPMS	2H/1C,HP	R,C,Y,W2,G,B/O,L,E	Hardwired
	RHC-TST203UNMS	2H/2C,GE,HP	R,C,E/W1,W2,G,Y1,Y2,O,B,L	Battery/Hardwired
300-SERIES DELUXE PROGRAMMABLE MODEL #		DESCRIPTION	TERMINALS	POWER SOURCE
	RHC-TST301GESS	1H/1C,GE	Rc,Rh,W,Y,G,L,O,B,C	Battery/Hardwired
	RHC-TST302UNMS	3H/2C,GE,HP,DF	R,C,G,Y1,Y2,W3/A1,W2, W1,E2/P,E,O,B,L	Hardwired
	RHC-TST303UNMS	3H/2C,GE,HP,DH,DF	R,C,G,Y1,Y2,E/W1,W2,O, B,L,SA,SB,OT,DHM,HM,SC	Hardwired
	RHC-TST304UNMS	3H/2C,GE,HP	C,Rc,Rh,W/E,W2,Y,Y2,G,L,O,B	Battery/Hardwired
	RHC-TST305UNMS	4H/2C,GE,HP,DF	Rc,Rh,C,W/E,WZ,Y,Y2,G O/B,6,L,DHM,HM,+,S,-	Battery/Hardwired
400-SERIES SPECIAL APPLICATIONS PROGRAMMABLE MODEL #		DESCRIPTION	TERMINALS	POWER SOURCE
	RHC-TST402DFMS (Outdoor Temperature Sensor Included)	3H/2C,GE,HP, DH,DF	R,C,G,Y1,Y2,E/W1,W2,O, B,L,SA,SB,OT,DHM,HM,SC	Hardwired
	RHC-TST412MDMS	MD/2C, GE, HP, DF, DH, HM	B,Y2,Y,G,Rc, Rh,C,DHM,HM,W/E,V,+, -,S,L	Hardwired
500-SERIES COMMUNICATING PROGRAMMABLE MODEL #		DESCRIPTION	TERMINALS	POWER SOURCE
	RHC-TST501CMMS	COMMUNICATING HP,GE,DF, DH 4H/2C, AH	R, C, 1, 2	Hardwired

* Flash code via the L Terminal is not available in 100-Series thermostats when used with JEZ (Comfort Control System™) outdoor units, and Comfort Alert equipped units.

LEGEND:

1C = 1 COOL
2C = 2 COOL
1H = 1 HEAT

2H = 2 HEAT
3H = 3 HEAT

DF = DUAL FUEL
DH = DEHUMIDIFICATION
GE = GAS/OIL/ELECTRIC

HP = HEAT PUMP
MD = MODULATING FURNACE
HM = HUMIDIFICATION

SINGLE-STAGE

Non-Programmable • 1 Heat/1 Cool •
Gas/Oil/Electric • Battery

100-Series

RHC-TST101GESS

The Digital Thermostat That Expands Your Business and Shrinks Your Inventory.

With a single 100-Series thermostat, your customers can economically upgrade to digital accuracy and energy savings... without any decorating touch-ups. Its new low profile design covers the footprint of the four most common mechanical thermostats used today. So there's no wall re-painting and no wallplates required. And it's battery powered, making it easy to install and compatible with most heating/cooling systems. The 100-Series is perfect for customers who want a quick and easy digital upgrade.



Features & Benefits

- Easy to use
- Electronic accuracy
- Millivolt compatible

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Display

Large, easy-to-read thermostat display

Comfort & Convenience

Electronic temperature accuracy

Adjustable room temperature calibration

Performance

B&O terminals

Meets California Building Code, Title 24

Millivolt compatible

Battery powered thermostat for maximum compatibility (2 "AAA" batteries included)

Dimensions

5.1"W [130 mm] x 3.75"H [95 mm]
x 1.1"D [28 mm]

Electrical Specifications

Rating

0 to 30 VAC, 50/60 Hz or DC

0.05 to 1.0 Amps (load per terminal)

1.5 Amps maximum load (all terminals combined)

Standard Systems

Single-stage gas, oil, electric

Single-stage heat pump

Millivolt Compatible

Thermal Specifications

Setpoint Temperature Range: 45° to 90°F
(7° to 32°C)

Rated Differential: 0.6° to 1.9°F with
adjustable anticipation

Operating Ambient Temperature 32° to
105°F (0° to 40°C)

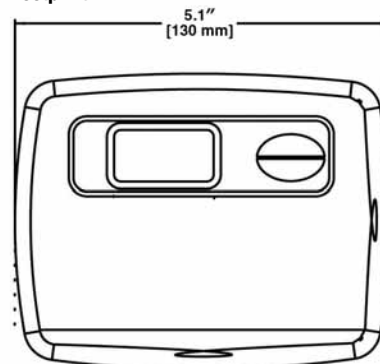
Operating Humidity Range: 90% non-
condensing maximum

Shipping Temperature Range: -4° to 150°F
(-20° to 65°C)

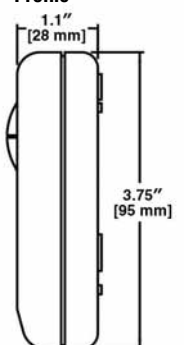
Smart Design Covers The Wall Marks of Others

No spackling or painting necessary because its smart design hides wall marks left by the most popular mechanical thermostats. Plus it has a lower profile!

Footprint



Profile



Terminal Designations



HEAT PUMP

Non-Programmable • 2 Heat/1 Cool •
Heat Pump • Hardwired

100-Series RHC-TST102HPMS

Changing The World of Heat Pump Thermostats for The Better.

With a 100-Series Heat Pump thermostat, your customers can economically upgrade to digital accuracy and energy savings. It is easy to install and is compatible with most heat pump systems. The 100-Series is perfect for customers who want an economical and easy digital upgrade for their heat pump system.



Features & Benefits

- Easy to use
- Electronic accuracy
- B&O terminal
- Millivolt compatible

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Dimensions

5.1"W [130 mm] x 3.7"H [94 mm]
x 1.1"D [28 mm]

Electrical Specifications

Rating

20 to 30 VAC, 50/60 Hz or D.C.
0.05 to 1.0 Amp (load per terminal)
1.5 Amps maximum load (all terminals combined)

Standard Systems

Heat Pump (2-stage heat, 1-stage cool)
Single-stage heat pump

Thermal Specifications

Setpoint Temperature Range: 45° to 90°F
(7° to 32°C)

Rated Differential: 0.6° to 1.9°F with
adjustable anticipation

Operating Ambient Temperature: 32° to
105°F (0° to 40°C)

Operating Humidity Range: 90%
non-condensing maximum

Shipping Temperature Range: -4° to 150°F
(-20° to 65°C)

Display

Large LCD with improved contrast for
easier reading

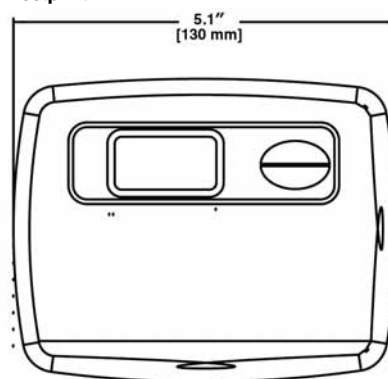
Comfort & Convenience

Soft-touch keypad
Maintains room temperature differential
within 1 degree
Display temperature recalibration (+/-3°)

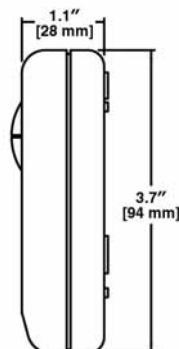
Performance

Powerful next-generation microprocessor
Fast (FA) or slow (SL) heating cycle
anticipation
B or O terminal (*selectable*)
Compressor lockout protection (*optional*)

Footprint



Profile



Terminal Designations



* Flash code via the L Terminal is not available in 100-Series thermostats when used with JEZ (*Comfort Control System™*) outdoor units, and *Comfort Alert* equipped units.

UNIVERSAL MULTI-STAGE/HEAT PUMP

Non-Programmable • 2 Heat/2 Cool •
Gas/Oil/Electric • Heat Pump • Hardwired

100-Series

RHC-TST103UNMS

Changing The World of Multi-Stage/Heat Pump Thermostats for The Better.

With a 100-Series Universal Multi-Stage or Heat Pump selectable thermostat, your customers can economically upgrade to multi-stage digital accuracy with the comfort of automatic changeover. It is easy to install and is compatible with most multi-stage or heat pump systems. The 100-Series is perfect for customers who want an economical and easy digital upgrade for their multi-stage or heat pump systems. Plus, the universal multi-stage 100-Series versatility means less inventory for you.



Features & Benefits

- Easy to use
- Electronic accuracy
- B&O terminal
- Millivolt compatible

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Programming

Choice of Multi-Stage or Heat Pump operation

Display

Large, easy-to-read thermostat display

Comfort & Convenience

Automatic changeover
Electronic temperature accuracy
Adjustable room temperature calibration

Performance (Multi-Stage Mode)

For 2-stage heat, 2-stage cool systems
Gas or electric systems

Performance (Heat Pump Mode)

For 2-stage heat, 1-stage cool systems
Gas or electric systems

Physical Features

50% lower profile than popular competitive mechanical models

Dimensions

5.1"W [130 mm] x 3.75"H [95 mm] x
1.1"D [28 mm]

Electrical Specifications

Rating
20 to 30 VAC, 50/60 Hz or DC
0.05 to 1.0 Amps (load per terminal)
1.5 Amps maximum load (all terminals combined)

Standard Systems

Multi-Stage
(2-stage heat, 2-stage cool)
Heat Pump
(2-stage heat, 1-stage cool)

Thermal Specifications

Setpoint Temperature Range: 45° to 90°F
(7° to 32°C)

Rated Differential: 0.6° to 1.6°F with adjustable anticipation

Operating Ambient Temperature 32° to 105°F (0° to 40°C)

Operating Humidity Range: 90% non-condensing maximum

Shipping Temperature Range: -4° to 150°F (-20° to 65°C)

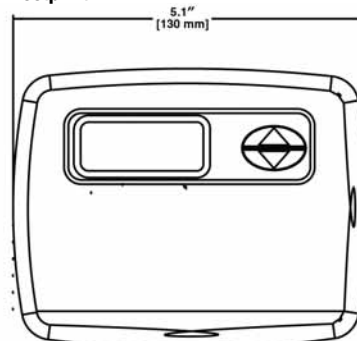
Replaces most mechanical 2-stage heat/2-stage cool or 2-stage heat/1-stage cool heat pump thermostats.

Terminal Designations

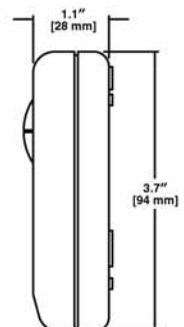


* Flash code via the L Terminal is not available in 100-Series thermostats when used with JEZ (Comfort Control System™) outdoor units, and Comfort Alert equipped units.

Footprint



Profile



SINGLE-STAGE

Programmable • 1 Heat/1 Cool • Gas/Oil/Electric •
Hardwired or Battery Powered

200-Series RHC-TST201GESS

The Best-Selling Digital Thermostat Keeps Getting Better.

We've enhanced our 200-Series digital thermostats with a larger display and improved home comfort features. It now offers more control, more convenience and more value than the competition. And it's backed with the reputation of Rheem - pioneers in home comfort.



Features & Benefits

- Fast and easy to program
- Electronic accuracy
- Permanent program retention
- Lighted display
- Easy-to-wire terminal block

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Programming

Choice of 5/1/1 day or 7 day programmable or non-programmable
4 time and 4 temperature settings per program (heat & cool)
Energy savings up to 33%
Patented pre-programmed software simplifies time and temperature programming

Display

New — 45% larger LCD with improved contrast for easier reading
Lighted display for easier low-light viewing

Dimensions

6.1"W [155 mm] x 3.8"H [97 mm]
x 1.1"D [28 mm]

Electrical Specifications

Rating
0 to 30 VAC, 50/60 Hz or DC
0.05 to 1.0 Amp (load per terminal)
1.5 Amps maximum load (all terminals combined)
Standard Systems
Single-Stage gas, oil, electric
Single-Stage heat pump
Millivolt Systems

Comfort & Convenience

Permanent program retention during power loss
New — Indefinite setpoint Hold or programmable timed Hold up to 8 hours
Air filter change indicator (optional)
Simple "set-up" menu to activate optional features
Temporary temperature override until next program period
Soft-touch keypad
Maintains room temperature differential within 1°
Display temperature recalibration (+/-4°)

Thermal Specifications

Setpoint Temperature Range:
45° to 90°F (7° to 32°C)
Rated Differential: 0.6° to 1.6°F with adjustable anticipation
Operating Ambient Temperature:
32° to 105°F (0° to 40°C)
Operating Humidity Range:
90% non-condensing maximum
Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Performance

Dual-Powered...choice of battery-powered or hardwired, for all single-stage applications
Selectable Energy Management Recovery
Powerful next-generation microprocessor
Meets ENERGY STAR® specifications
Meets California Building Code, Title 24
Fast (FA) or slow (SL) heating cycle anticipation

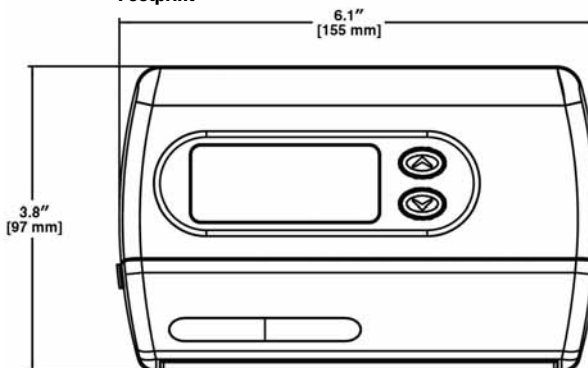
New — Easy to wire terminal block

Compressor lockout protection
Millivolt compatible
Electric heat option

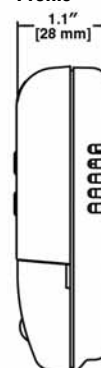
Terminal Designations



Footprint



Profile



HEAT PUMP

Programmable • 2 Heat/1 Cool • Heat Pump • Hardwired

200-Series RHC-TST202HPMS

Changing The World Of Heat Pump Thermostats For The Better.

We've enhanced our 200-Series digital thermostats with new styling and improved home comfort features, specially designed for heat pump applications. It now offers more control, more convenience and more value than the competition. And it's backed by the reputation of Rheem.



Lighted Display

Features & Benefits

- Fast and easy to program
- Electronic accuracy
- Permanent program retention
- Lighted display
- Easy-to-wire terminal block

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Dimensions

6.1"W [155 mm] x 3.8"H [97 mm]
x 1.1"D [28 mm]

Electrical Specifications

Rating

20 to 30 VAC, 50/60 Hz or D.C.

0.05 to 1.0 Amps (load per terminal)

1.5 Amps maximum load (all terminals combined)

Standard Systems

Heat Pump—2-stage heat, 1-stage cool

Single-stage heat pump

Thermal Specifications

Setpoint Temperature Range: 45° to 90°F
(7° to 32°C)

Rated Differential: 0.6° to 1.6°F with adjustable anticipation

Operating Ambient Temperature: 32° to 105°F (0° to 40°C)

Operating Humidity Range: 90% non-condensing maximum

Shipping Temperature Range: -4° to 150°F
(-20° to 65°C)

Programming

Choice of 5/1/1 day programmable or non-programmable

4 time and 4 temperature settings per program (heat & cool)

Energy savings up to 33%

Patented pre-programmed software simplifies time and temperature programming

Display

New – 60% larger LCD with improved contrast for easier reading

New – Lighted display for easier low-light viewing

Comfort & Convenience

New – Permanent program retention during power loss, no batteries needed

New – Indefinite setpoint Hold or programmable timed Hold up to 8 hours

New – Air filter change indicator

New – Simple menu to activate optional features

Temporary temperature override until next program period

Soft touch keypad

Maintains room temperature differential within 1 degree

Display temperature recalibration (+/-4°F)

Performance

New – Selectable Energy Management Recovery

New – Powerful next generation microprocessor

Meets ENERGY STAR® specifications

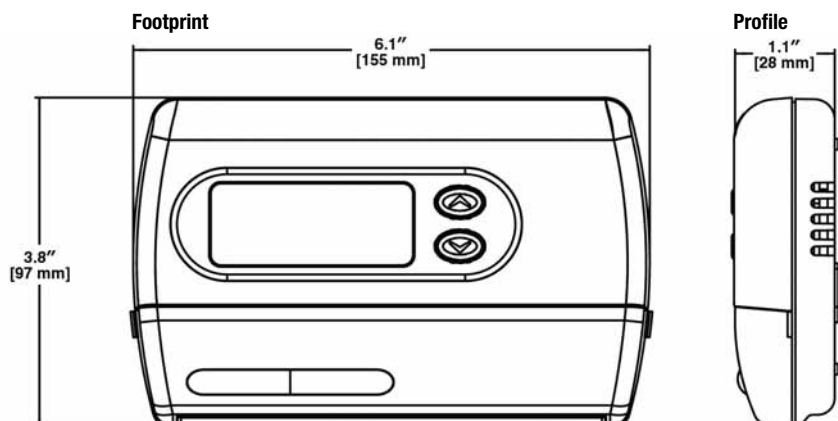
Meets California Building Code, Title 24

Fast (FA) or slow (SL) heating cycle anticipation

B or O terminal (*selectable*)

Compressor lockout protection (*optional*)

Terminal Designations



UNIVERSAL MULTI-STAGE/HEAT PUMP/SINGLE-STAGE

Programmable • 2 Heat/2 Cool • Gas/Oil/Electric,
Heat Pump • Hardwired or Battery Powered

200-Series

RHC-TST203UNMS

Creating The World Of Universal Thermostats For Single-Stage, Multi- Stage, Heat Pump and Truck Stock Use.

We've enhanced our 200-Series digital thermostats by combining a single stage, multi-stage and heat pump into one universal thermostat. With stylish design and home comfort features specially designed for all systems, the universal thermostat offers more control, more convenience and more value than the competition.



Features & Benefits

- Fast and easy to program
- Electronic accuracy
- Permanent program retention
- Lighted display
- Easy-to-wire terminal block

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Dimensions

6.1"W [155 mm] x 3.8"H [97 mm] x 1.1"D [28 mm]

Electrical Specifications

Rating

20 to 30 VAC, 50/60 Hz or DC

0.05 to 1.0 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

Standard Systems

Multi-Stage
(2-stage heat, 2-stage cool)

Heat Pump
(2 or 3-stage heat, 2-stage cool)

Single-Stage gas, oil, electric

Thermal Specifications

Setpoint Temperature Range: 45° to 90°F
(7° to 32°C)

Rated Differential: 0.6° to 1.6°F with
adjustable anticipation

Operating Ambient Temperature 32° to
105°F (0° to 40°C)

Operating Humidity Range: 90% non-
condensing maximum

Shipping Temperature Range: -4° to 150°F
(-20° to 65°C)

Terminal Designations



Programming

Choice of 7 day or 5/1/1 day
programmable or non-programmable

4 time and 4 temperature settings per
program (heat & cool)

Energy savings up to 33%

Patented pre-programmed software
simplifies time and temperature
programming

Display

New – 40% larger LCD with improved
contrast for easier reading

New – Lighted display for easier low-light
viewing

Comfort & Convenience

New – Optional minimum and maximum
temperature configurable

Permanent program retention during
power loss, no batteries needed

Indefinite setpoint Hold or programmable
timed Hold for up to 8 hours

Air filter change indicator

Simple menu to activate optional features

Temporary temperature override until next
program period

Soft touch keypad

Maintains room temperature differential
within 1 degree

Display temperature recalibration (+/-4°F)

Includes 2 "AA" alkaline batteries for long
battery life

Performance

New – Universal Single-Stage, Multi-Stage
or Heat Pump

Selectable Energy Management Recovery

New – Powerful next generation
microprocessor

New – Coded keypad lockout

Meets Energy Star® specifications

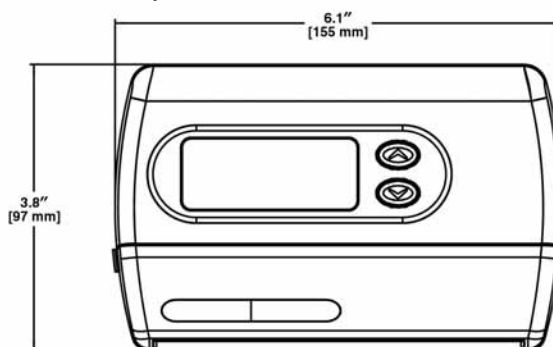
Meets California Building Code, Title 24

Dual Powered (hardwired and battery)
(patented)

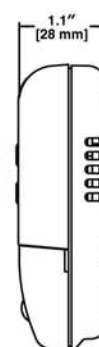
Fast (FA) or slow (SL) heating cycle
anticipation

Compressor lockout protection (optional)

Footprint



Profile



SINGLE-STAGE TOUCHSCREEN THERMOSTATS

Programmable • 1 Heat/1 Cool • Gas/Oil/Electric •
Hardwired or Battery Powered

300-Series

RHC-TST301GESS

The New Color Of Innovation

Rheem has set a new industry benchmark with the 300-Series blue touchscreen thermostat, with advanced technology that delivers all the best features. Plus, it's designed to be easy-to-view, easy-to-understand and easy-to-operate with simple on-screen programming.



**Lighted
Touchscreen**

Features & Benefits

- Bright, 12 sq. inch touchscreen display
- Keypad lockout option
- Dual power—hardwired or battery
- Easy, menu-driven programming
- Audio prompting to ensure program change confirmation
- Intuitive red/blue temperature keys

Warranty

5 years from date of purchase (contact the Rheem Parts Distribution Center for more information).



Dimensions

5.9"W [150 mm] x 4.6"H [117 mm]
x 1.2"D [30 mm]

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F
(7° to 32°C)

Rated Differential: Heat 0.6°F, Cool 1.2°F

Operating Ambient Temperature: 32° to
105°F (0° to 41°C)

Operating Humidity Range:
90% non-condensing maximum

Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Electrical Specifications

Rating

Battery Power: mV to 30 VAC, NEC
Class II, 50/60 Hz or D.C.

Input-Hardwire: 20 to 30 VAC

1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals
combined)

Standard Systems

Single-stage gas, oil, electric

Single-stage heat pump

Millivolt systems

Display

Large 12-square-inch touchscreen
display - largest in the industry

Blue, lighted display for easier low-light
viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Clean, uncluttered touchscreen display
provides easier navigation

Performance

Universal Dual-Powered – choice of
battery-powered or hardwired with battery
back-up

Selectable Energy Management Recovery

Meets ENERGY STAR® specifications

Meets California Building Code, Title 24

Fast (FA) or slow (SL) heating cycle
anticipation

Easy-to-wire terminal block

B & O terminals

Compressor lockout protection

Millivolt compatible

Electric heat option

Comfort & Convenience

Intuitive menu-driven set-up,
programming and operation, with audio
prompt to confirm touchscreen entries

Permanent program retention during
power loss

Indefinite setpoint Hold or 4-hour
temporary temperature override

Temporary temperature override - can be
set from 15 minutes for Temporary
adjustments up to 7 days for Vacation
override

Auto heat/cool changeover option –
automatically switches between heating
and cooling programs

Heating and cooling, heating only or
cooling only configuration (installer
selectable)

Setpoint temperature "limited range"
capable

Enhanced (variable) touchscreen security
prevents tampering

Furnace filter change reminder

Humidifier change pad reminder

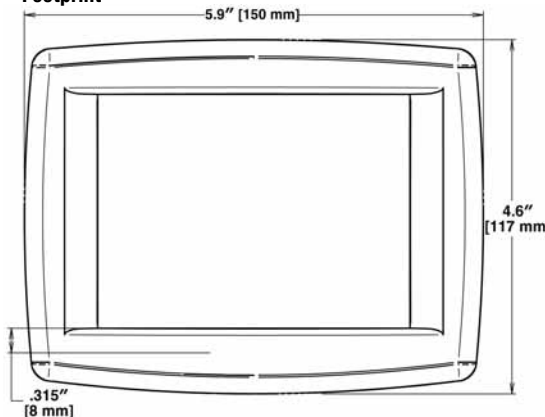
Maintains room temperature to within
+/- 1°

Room temperature display can be
recalibrated up to +/- 4°

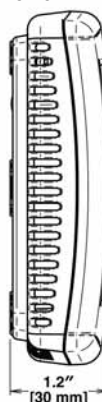
Terminal Designations



Footprint



Profile



UNIVERSAL MULTI-STAGE HEAT PUMP

Programmable • 3 Heat/2 Cool • Gas/Oil/Electric • Heat Pump •
Dual Fuel Capable • Hardwired

300-Series RHC-TST302UNMS

We've Designed a Better Staging Thermostat. It's Universal.

The 300-Series advanced technology not only delivers all the best features, it's truly universal. Plus, it's designed to be easy-to-view, easy-to-understand and easy-to-operate.



Features & Benefits

- Auto-changeover
- Energy management recovery
- Programmable blower
- Intuitive red/blue temperature option
- Keypad lockout option
- Large, easy-to-see characters
- Large, lighted display
- Built-in diagnostics

**Lighted
Display**

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Programming

7-day Programming
Four pre-programmed time/temperature periods per day
Vacation programming
Programmable fan continuous in any period
Programmable fan on/off delays
Separate set-up menus: installer menu, service user menu, keypad lockout (total/partial) menu

Comfort & Convenience

Large Comfort-View™ display and lighted keypad
Permanent program retention- no batteries required
Daylight Savings Time quick-change button
Air filter change indicator
Outdoor temperature sensing (optional)
Ignition control reset
Heat pump warm air start

Performance

Multi-stage, heat pump, or single-stage up to 3-stage heat/2-stage cool
Auto-changeover
EMR (*Energy Management Recovery*)
Comfort Alert™ compatible System and thermostat diagnostics
Meets Energy star specifications
Meets California Building Code, title 24
Compressor lockout/Auxiliary run time
Adjustable differential
Energy Source Optimizer selects heat pump or fossil fuel system

Dimensions

6.9"W [175 mm] x 4.1"H [104 mm] x 1.3"D [33 mm]

Electrical Specifications

Rating
20 to 30 VAC, 50/60 Hz with common 0.05 to 1.5 amps per terminal
2.5 amps maximum total load (all terminals combined)

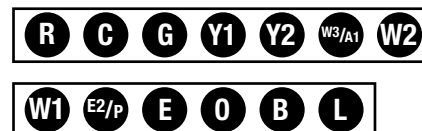
Standard Systems

Multi-stage gas, oil, electric
Single-stage or two-stage compressor heat pump

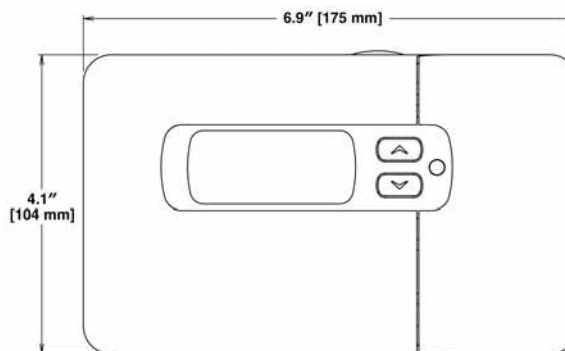
Thermal Specifications

Setpoint Temperature Range: 45° to 99°F (7° to 37°C)
Rated Differential: 0.5° to 1.5°F with adjustable anticipation
Operating Ambient Temperature: 32° to 110°F (0° to 43°C)
Operating Humidity Range: 90% non-condensing maximum
Shipping Temperature Range: -4° to 131°F (-20° to 55°C)

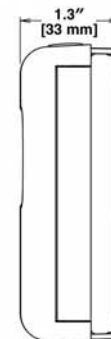
Terminal Designations



Footprint



Profile



MULTI-STAGE/HEAT PUMP

Programmable • 3 Heat/2 Cool • Gas/Oil/Electric • Heat Pump •
De-Humidification • Dual Fuel Capable • Hardwired

300-Series RHC-TST303UNMS

We've Designed a Better Thermostat. With Total Humidity Control.

The premium 300-Series uses our most powerful microprocessors, providing increased home comfort and greater energy savings. It offers more control and convenience features, plus the ease-of-use 300-Series thermostats are known for. And it's all backed up by the Rheem reputation for dependability.



**Dehumidification
& Humidifier
Control**

**Lighted
Display**

Features & Benefits

- Humidification & dehumidification control
- Auto-changeover
- Energy management recovery
- Programmable blower
- Intuitive red/blue temperature keys
- Keypad lockout option
- Large, easy-to-see characters
- Large, lighted display
- Built-in diagnostics

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Programming

7-day Programming
Four pre-programmed time/temperature periods per day
Vacation programming
Programmable fan continuous in any period
Programmable fan on/off delays
Separate set-up menus: installer menu, service user menu, keypad lockout (total/partial) menu

Comfort & Convenience

Large Comfort-View™ display and lighted keypad
Permanent program retention - no batteries required
Daylight Savings Time quick-change button
Air filter change indicator
Remote sensing (optional)
Ignition control reset
Heat pump warm air start

Performance

Multi-stage, heat pump, or single-stage up to 3-stage heat/2-stage cool
Auto-changeover
EMR (Energy Management Recovery)
Comfort Alert™ compatible System and thermostat diagnostics
Meets Energy star specifications
Meets California Building Code, title 24
Compressor lockout/Auxiliary run time
Adjustable differential

Dimensions

6.9"W [175 mm] x 4.1"H [104] x 1.3"D [33 mm]

Electrical Specifications

Rating
20 to 30 VAC, 50/60 Hz with common 0.05 to 1.5 amps per terminal
2.5 amps maximum total load (all terminals combined)
Standard Systems
Multi-stage gas, oil, electric
Single-stage or two-stage compressor heat pump

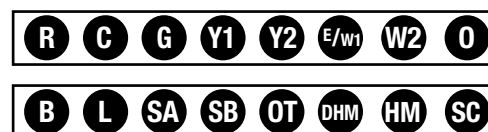
Humidity Specifications

Sensing Range: 2% to 97% RH
Dehumidification Setpoint Range: 40% to 95% RH
Humidification Setpoint Range: 5% to 50% RH

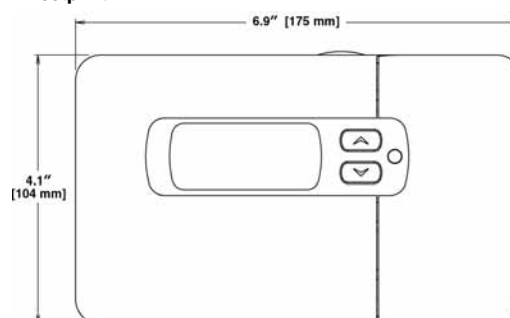
Thermal Specifications

Setpoint Temperature Range: 45° to 99°F (7° to 37°C)
Rated Differential: 0.5° to 1.5°F with adjustable anticipation
Operating Ambient Temperature: 32° to 110°F (0° to 43°C)
Operating Humidity Range: 90% non-condensing maximum
Shipping Temperature Range: -4° to 131°F (-20° to 55°C)

Terminal Designations



Footprint



Profile



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • 3 Heat/2 Cool • Gas/Oil/Electric,
Heat Pump • Hardwired or Battery Powered

300-Series

RHC-TST304UNMS

The New Color of Innovation

Rheem has set a new industry benchmark with the 300-Series blue touchscreen with advanced technology not only delivers all the best features, it's truly universal. Plus, it's designed to be easy-to-view, easy-to-understand and easy-to-operate with simple on-screen programming.



**Lighted
Touchscreen**

Features & Benefits

- Bright, 12 sq. inch touchscreen display
- Keypad lockout option
- Dual power—hardwired or battery
- Easy, menu-driven programming
- Audio prompting to ensure program change confirmation
- Intuitive red/blue temperature keys

Warranty

5 years from date of purchase (contact the Rheem Parts Distribution Center for more information).



Dimensions

5.9"W [150 mm] x 4.6"H [117 mm]
x 1.2"D [30 mm]

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F
(7° to 32°C)

Rated Differential: Heat 0.6°F; Cool 1.2°F

Operating Ambient Temperature:
32° to 105°F (0° to 41°C)

Operating Humidity Range:
90% non-condensing maximum

Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Electrical Specifications

Rating

Battery Power: mV to 30 VAC, NEC Class II,
50/60 Hz or D.C.

Input-Hardwire: 20 to 30 VAC

1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals
combined)

Standard Systems

Single-stage gas, oil, electric

Single-stage heat pump

Millivolt systems

Multi-Stage gas, oil, electric

Multi-Stage heat pump

Terminal Designations



Programming

Universal – installer selectable system
applications

Universal – choice of 7 day, 5/1/1 day
programmable or non-programmable
(installer selectable)

4 times and 4 temperature settings per
program (2 setbacks) heat and cool, or
selectable - 2 time and 2 temperature
settings (1 setback)

Energy savings up to 33%

Patented pre-programmed schedule
simplifies time and temperature
programming

Display

Large 12-square-inch touchscreen
display - largest in the industry

Blue, lighted display for easier low-light
viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Clean, uncluttered touchscreen display
provides easier navigation

Performance

Universal Dual-Powered – choice of
battery-powered or hardwired with battery
back-up

Selectable Energy Management Recovery

Meets ENERGY STAR® specifications

Meets California Building Code, Title 24

Fast (FA) or slow (SL) heating cycle
anticipation

Easy-to-wire terminal block

B & O terminals

Compressor lockout protection

Millivolt compatible

Electric heat option

Comfort & Convenience

Intuitive menu-driven set-up,
programming and operation, with audio
prompt to confirm touchscreen entries

Permanent program retention during
power loss

Indefinite setpoint Hold or 4-hour
temporary temperature override

Temporary temperature override - can be
set from 15 minutes for Temporary
adjustments up to 7 days for Vacation
override

Auto heat/cool changeover option –
automatically switches between heating
and cooling programs

Heating and cooling, heating only or
cooling only configuration (installer
selectable)

Setpoint temperature "limited range"
capable

Enhanced (variable) touchscreen security
prevents tampering

Furnace filter change reminder

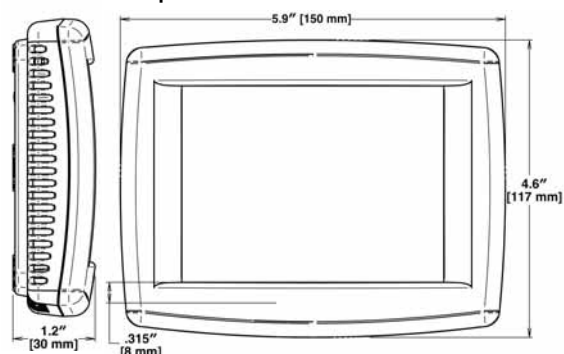
Humidifier change pad reminder

Maintains room temperature to within
+/- 1°

Room temperature display can be
recalibrated up to +/-4°

Profile

Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • 4 Heat/2 Cool • Gas/Oil/Electric,
Heat Pump • Hardwired or Battery Powered

300-Series RHC-TST305UNMS

ULTIMATE CONTROL. ULTIMATE COMFORT

Introducing the 300-Series blue humidity touchscreen offers dehumidification and humidifier control, delivering a new line of comfort to your customers.

Features & Benefits

- Large 12-square-inch display with 10-second backlight
- Saves energy during peak A/C demand periods
- Dual fuel heat pump logic program requires no outdoor sensor
- Remote sensing indoor or outdoor and at the thermostat
- Programmable fan with comfort circulator fan option
- Enhanced dehumidification fan speed control
- Automatic daylight savings option
- Flow through humidifier water saving feature – up to 50%



**Dehumidification
& Humidifier
Control**

**Lighted
Touchscreen**

Warranty

5 years from date of purchase (contact the Rheem Parts Distribution Center for more information).



Dimensions

4.6"H x 5.9"W x 1.2"D

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F (7° to 32°C)

Rated Differential: Heat 0.6°F; Cool 1.2°F

Operating Ambient Temperature: 32° to 105°F (0° to 41°C)

Operating Humidity Range: 90% non-condensing maximum

Shipping Temperature Range: -40° to 150°F (-20° to 65°C)

Electrical Specifications

Rating

Battery Power: mV to 30 VAC, NEC Class II, 50/60 Hz or D.C.

Input-Hardwire: 20 to 30 VAC

1.5 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

Standard Systems

Single-stage gas, oil, electric

Single-stage heat pump

Millivolt systems

Multi-Stage gas, oil, electric

Multi-Stage heat pump

Programming

Universal – installer selectable system applications

Choice of 7 day, 5/1/1 day programmable or non-programmable (installer selectable)

4 time and 4 temperature settings per program (2 setbacks) heat and cool, or selectable - 2 time and 2 temperature settings (1 setback)

Energy savings up to 33%

Patented pre-programmed schedule simplifies time and temperature programming

Display

Large 12-square-inch touchscreen display - largest in the industry

Blue, lighted display for easier low-light viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Clean, uncluttered touchscreen display provides easier navigation

Performance

Universal Dual-Powered – choice of battery-powered or hardwired with battery back-up

Selectable Energy Management Recovery

Meets ENERGY STAR® specifications

Meets California Building Code, Title 24

Fast (FA) or slow (SL) heating cycle anticipation

Exclusive "Call for Service" diagnostic indicator

Compressor lockout protection

Millivolt compatible

Electric heat option

Comfort & Convenience

Humidification and dehumidification control intuitive menu-driven set-up, programming and operation, with audio prompt to confirm touchscreen entries.

Permanent program retention during power loss

Indefinite setpoint Hold or temporary temperature override

Temporary temperature override - can be set from 15 minutes for Temporary adjustments up to 7 days for Vacation override

Auto heat/cool changeover option – automatically switches between heating and cooling programs

Heating and cooling, heating only or cooling only configuration (installer selectable)

Setpoint temperature "limited range" capable

Enhanced (variable) touchscreen security prevents tampering

UV lamp change reminder

Furnace filter change reminder

Humidifier pad change reminder

Maintains room temperature to within +/- 1°F

Room temperature display can be recalibrated up to +/-4°F

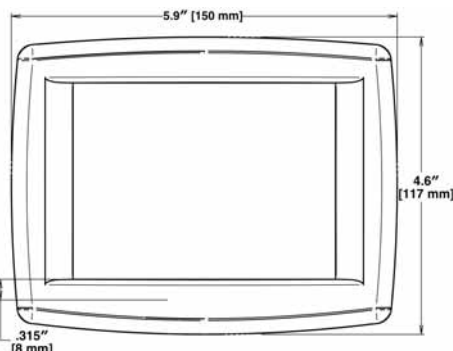
Terminal Designations



Profile



Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • Modulating/2 Cool • Gas/Oil/Electric,
Heat Pump • Dual Fuel Capable • Hardwired

400-Series RHC-TST412MDMS

The Contour of Comfort

Rheem has set a new industry benchmark for Home Comfort with the 400-Series blue touchscreen thermostat, specially designed to work with Rheem *Prestige Series*® modulating gas furnaces. Plus, it's designed to be easy-to-view, easy-to-understand and easy-to-operate with simple on-screen programming.

Features & Benefits

- Bright, 12 sq. inch touchscreen display
- Keypad lockout option
- Hardwired
- Easy, menu-driven programming
- Audio prompting to ensure program change confirmation
- Intuitive red/blue temperature keys
- Call for service prompt
- Humidification and dehumidification control



**Lighted
Touchscreen**

Warranty

5 years from date of purchase (contact the Rheem Parts Distribution Center for more information).



Dimensions

5.9"W [150 mm] x 4.6"H [117 mm]
x 1.2"D [30 mm]

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F
(7° to 32°C)

Rated Differential: Heat 0.6°F; Cool 1.2°F

Operating Ambient Temperature:
32° to 105°F (0° to 41°C)

Operating Humidity Range:
90% non-condensing maximum

Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Electrical Specifications

Rating

Battery Power: mV to 30 VAC, NEC Class II,
50/60 Hz or D.C.

Input-Hardwire: 20 to 30 VAC

1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals
combined)

Standard Systems

Single-stage gas, oil, electric

Single-stage heat pump

Multi-Stage gas, oil, electric

Multi-Stage heat pump

Programming

Universal – installer selectable system
applications

Universal – choice of 7 day, 5/1/1 day
programmable or non-programmable
(installer selectable)

4 times and 4 temperature settings per
program (2 setbacks) heat and cool, or
selectable - 2 time and 2 temperature
settings (1 setback)

Energy savings up to 33%

Patented pre-programmed schedule
simplifies time and temperature
programming

Display

Large 12-square-inch touchscreen
display - largest in the industry

Blue, lighted display for easier low-light
viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Clean, uncluttered touchscreen display
provides easier navigation

Performance

Selectable Energy Management Recovery

Meets ENERGY STAR® specifications

Meets California Building Code, Title 24

Fast (FA) or slow (SL) heating cycle
anticipation

Easy-to-wire terminal block

Compressor lockout protection

Millivolt compatible

Electric heat option

Comfort & Convenience

Humidification and dehumidification control

Dehumidification Rh range 40-90%

Humidification Rh range 5-50%

Intuitive menu-driven set-up,
programming and operation, with audio
prompt to confirm touchscreen entries

Permanent program retention during
power loss

Indefinite setpoint Hold or 4-hour
temporary temperature override

Temporary temperature override - can be
set from 15 minutes for Temporary
adjustments up to 7 days for Vacation
override

Auto heat/cool changeover option –
automatically switches between heating
and cooling programs

Heating and cooling, heating only or
cooling only configuration (installer
selectable)

Setpoint temperature "limited range"
capable

Enhanced (variable) touchscreen security
prevents tampering

Call for Service prompt

Furnace filter change reminder

Humidifier change pad reminder

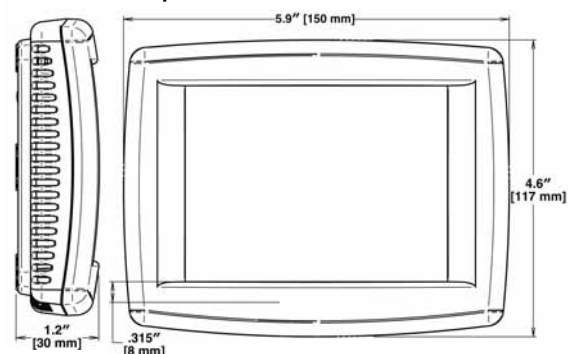
Maintains room temperature to within
+/- 1°

Room temperature display can be
recalibrated up to +/- 4°

Terminal Designations



Profile Footprint



MULTI-STAGE/DUAL FUEL

Programmable • 3 Heat/2 Cool • Gas/Oil/Electric, Heat Pump
• De-Humidification • Dual Fuel Capable • Hardwired

400-Series RHC-TST402DFMS

We've Designed a Better Thermostat. With Total Humidity Control.

The premium 400-Series uses our most powerful microprocessors, providing increased home comfort and greater energy savings when used in split system applications and with Package Dual Fuel models. It offers more control and convenience features, plus the ease-of-use 400-Series thermostats are known for.

And it's all backed up by the Rheem reputation for dependability.

Each model also ships with an outdoor temperature sensor.



**Dehumidification
& Humidifier
Control**

**Lighted
Display**

Features & Benefits

- Pre-configured software for dual fuel operation
- Humidification and dehumidification control
- Hardwired
- Auto-changeover
- Programmable blower
- Intuitive red/blue temperature keys
- Keypad lockout option
- Large, easy-to-see characters
- Built-in diagnostics
- Outdoor Temperature Sensor (included)

Warranty

18 months from date of purchase or 12 months from date of installation
(contact the Rheem Parts Distribution Center for more information).

Programming

7-day Programming
Four pre-programmed time/temperature periods per day
Vacation programming
Programmable fan continuous in any period
Programmable fan on/off delays
Separate set-up menus: installer menu, service user menu, keypad lockout (total/partial) menu

Comfort & Convenience

Large Comfort-View™ display and lighted keypad
Permanent program retention-no batteries required
Daylight Savings Time quick-change button
Air filter change indicator
Remote sensing
Ignition control reset
Heat pump warm air start

Performance

Multi-stage, heat pump, or single-stage up to 3-stage heat/2-stage cool
Auto-changeover
EMR (Energy Management Recovery)
Comfort Alert™ compatible System and thermostat diagnostics

Meets Energy star specifications
Meets California Building Code, title 24
Compressor lockout/Auxiliary run time
Adjustable differential
Energy Source Optimizer selects heat pump or fossil fuel system

Dimensions

4.1"H [104 mm] x 6.9"W [175 mm] x 1.3"D [33 mm]

Electrical Specifications

Rating
20 to 30 VAC, 50/60 Hz with common 0.05 to 1.5 amps per terminal
2.5 amps maximum total load (all terminals combined)

Standard Systems

Multi-stage gas, oil, electric
Single-stage or two-stage compressor heat pump

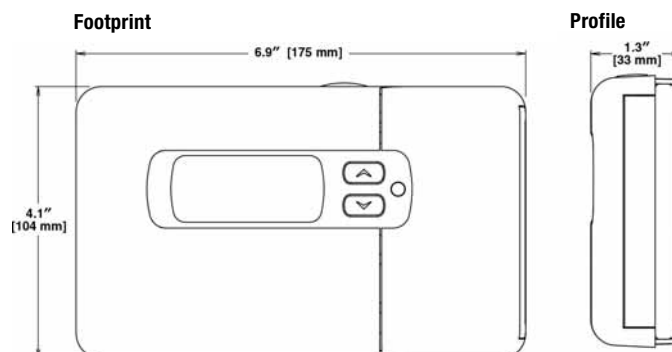
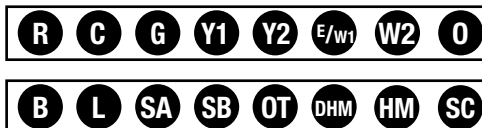
Humidity Specifications

Sensing Range: 2% to 97% RH
Dehumidification Setpoint Range: 40% to 95% RH
Humidification Setpoint Range: 5% to 50% RH

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F (7° to 37°C)
Rated Differential: 0.5° to 1.5°F with adjustable anticipation
Operating Ambient Temperature 32° to 110°F (0° to 43°C)
Operating Humidity Range: 90% non-condensing maximum
Shipping Temperature Range: -4° to 131°F (-20° to 55°C)

Terminal Designations



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • 3 Heat/2 Cool • Gas/Electric,
Heat Pump • Hardwired or Battery Powered

500-Series RHC-TST501CMMS

Communication is the Key.

Rheem is proud to introduce the 500-Series Thermostat as part of the most sophisticated and easy-to-use home comfort system available today. The Rheem *Comfort Control² System[™]* will provide improved comfort, optimal energy efficiency, and enhanced reliability and performance. The *Comfort Control² System[™]* consists of an indoor furnace or air handler, an outdoor condensing unit or heat pump, and the 500-Series Thermostat. The 500-Series Thermostat auto-configures the system and constantly communicates with the indoor and outdoor heating and cooling components to provide the homeowner with the utmost in home comfort and peace of mind. The thermostat is so smart; it can notify the homeowner when a service call is needed to any part of the complete system. These features ensure simple, dependable operation for the homeowner and easy installation by the contractor for peak performance.



**Lighted
Touchscreen**

Features & Benefits

Contractor Benefits:

- Multi-Purpose Thermostat—Setup, Control & Diagnostics
- Auto-Configuration—No Manual Settings Required in the Field
- System History—More Accurate Diagnostics
- Easy Installation— Requires only 4 wires
- Diagnostic Messages (Service Access to Fault Codes)
- Blower Adjustment in Heat and Cool
- Programmable Fan

Homeowner Benefits:

- Scrolling System Status
- De-Humidification Control
- Arm-Chair Programming
- Heat/Cool/Auto Change-over
- Outdoor Temperature Display
- Backlight On/Off
- Intelligent Scheduling Ramp-Up/ Program Anticipation
- Audio Notifications On/Off
- Air Filter, UV Lights & Humidifier Maintenance Reminder
- Temperature Offset
- Continuous Fan (Hi, Med, Lo)

Warranty

5 years from date of installation (contact the Rheem Parts Distribution Center for more information).



Dimensions

5.9"W [150 mm] x 4.6"H [117 mm]
x 1.2"D [30 mm]

Thermal Specifications

Setpoint Temperature Range: 45° to 99°F
(7° to 32°C)

Rated Differential: Heat 0.6°F; Cool 1.2°F

Operating Ambient Temperature:
32° to 105°F (0° to 41°C)

Operating Humidity Range:
90% non-condensing maximum

Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Electrical Specifications

Rating

Battery Power: mV to 30 VAC, NEC Class II,
50/60 Hz or D.C.

Input-Hardwire: 20 to 30 VAC

1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals
combined)

Standard Systems

Communicating Systems

Multi-Stage gas, oil, electric

Multi-Stage heat pump

Programming

Installer selectable system applications

Universal – choice of 7 day, or non-
programmable (installer selectable)

4 times and 4 temperature settings per
program (2 setbacks) heat and cool, or
selectable - 2 time and 2 temperature
settings (1 setback)

Energy savings up to 33%

Patented pre-programmed schedule
simplifies time and temperature
programming

Display

Large 12-square-inch touchscreen
display - largest in the industry

Blue, lighted display for easier low-light
viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Clean, uncluttered touchscreen display
provides easier navigation

Performance

Selectable Energy Management Recovery

Meets ENERGY STAR[®] specifications

Meets California Building Code, Title 24

Easy-to-wire terminal block

Compressor lockout protection

Comfort & Convenience

Intuitive menu-driven set-up,
programming and operation, with audio
prompt to confirm touchscreen entries

Permanent program retention during
power loss

Indefinite setpoint Hold or 4-hour
temporary temperature override

Temporary temperature override - can be
set from 15 minutes for Temporary
adjustments up to 7 days for Vacation
override

Auto heat/cool changeover option –
automatically switches between heating
and cooling programs

Heating and cooling, heating only or
cooling only configuration (installer
selectable)

Setpoint temperature "limited range"
capable

Filter change reminder

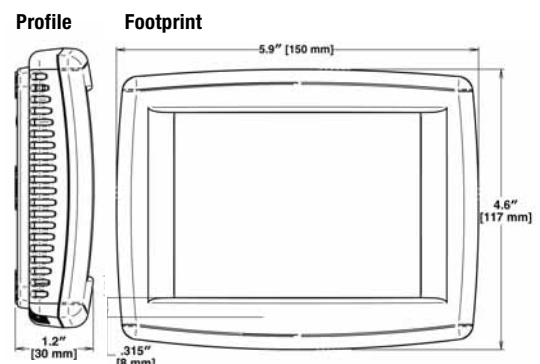
Humidifier change pad reminder

UV lamp maintenance

Maintains room temperature to within
+/- 1°

Room temperature display can be
recalibrated up to +/-4°

Terminal Designations



Thermostat System Matchups

RHEEM CONDENSER / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RAND RAPC RANL RAKB RARA RAPL	RHLA RHSA RHKA RHLL RHSL RHKL RBHP	1 or 2	1	RHC-TST101GESS* RHC-TST103UNMS* RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM CONDENSER / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RAND RAPC RARA RANL RAPL RAKB	RGLN RGPN RGRA RGTA RGRB ROBF ROPF	1	1	RHC-TST101GESS* RHC-TST103UNMS* RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM CONDENSER / FURNACE 2-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RAND RAPC RARA RANL RAPL RAKB	RGLQ RGLR RGPD RGRD RGPR RGRK RGTK	2	1	RHC-TST103UNMS* RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 2H2C Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM CONDENSER 2-STAGE / AIR HANDLER CONVENTIONALLY WIRED

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RARL	RBHM RHPL RHPN	2	2	RHC-TST103UNMS* RHC-TST203UNMS* RHC-TST302UNMS*	Non-Programmable 2H2C Programmable 2H2C/GE/HP
RASL	RHPN RBHN RHPL			RHC-TST303UNMS* RHC-TST304UNMS* RHC-TST305UNMS*	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM CONDENSER 2-STAGE / FURNACE 2-STAGE CONVENTIONALLY WIRED

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RARL RASL	RGLR RGPR	2	2	RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM CONDENSER 2-STAGE / AIR HANDLER COMMUNICATING ONLY

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RARL	RHPL RHPN	2	2	RHC-TST501CMMS	Communicating-Programmable 2H2C 4H/2C/GE/HP/DF
RASL	RHPN RHPL				

Thermostat System Matchups

RHEEM HEAT PUMP / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPNE RPPB RPNL RPPC RPPL	RHKA RHLA RHSA RBHP RHKL RHLL RHSL	2	1	RHC-TST102HPMS* RHC-TST103UNMS* RHC-TST202HPMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 2H1C/HP Non-Programmable 2H2C/GE/HP Programmable 2H1C/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM HEAT PUMP / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RPNE RPPB RPNL RPPC RPPL	RGLN RGLS RGPN RGRA RGTA,RGRB ROBF,ROPF	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST402DFMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RHEEM HEAT PUMP / FURNACE 2-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RPNE RPPB RPNL RPPC RPPL	RGLQ,RGLR RGPO,RGPR RGRL RGRK,RGTK	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST402DFMS RHC-TST305UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RHEEM HEAT PUMP 2-STAGE / FURNACE 2-STAGE CONVENTIONALLY WIRED

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RGLR RGPR	Dual Fuel	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST402DFMS RHC-TST305UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RHEEM HEAT PUMP 2-STAGE / AIR HANDLER CONVENTIONALLY WIRED

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RHPL	2	2	RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST305UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM HEAT PUMP 2-STAGE / AIR HANDLER COMMUNICATION SYSTEM

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RHPL	4	2	RHC-TST501CMMS	Communicating/Programmable 4H/2C/GE/HP/DF

* Flash code via the L Terminal is not available in 100-Series thermostats when used with JEZ (Comfort Control System™) outdoor units, and Comfort Alert equipped units.

Thermostat System Matchups

RHEEM HEAT PUMP / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RPNE RPPB RPPL RPNL RPPC	RGFD RGGD RGJD	Modulating	1	RHC-TST412MDMS	Programmable Mod/GE/DF

RHEEM HEAT PUMP 2-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RGFD RGGD RGJD	Mod	2	RHC-TST412MDMS	Programmable Mod/GE/DF

RHEEM CONDENSER 1-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RAND RAPC RAPL RARA RANL RAKB	RGFD RGGD RGJD	Modulating	1	RHC-TST412MDMS	Programmable Mod/GE/DF

RHEEM CONDENSER 2-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RARL RASL	RGFD RGGD RGJD	Modulating	2	RHC-TST412MDMS	Programmable Mod/GE/DF

Thermostat System Matchups

RHEEM PACKAGED GAS / ELECTRIC UNITS

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITH ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RRNA-B024-B060 RRNL-B024-B048 RRPL-B024-B048 RRNL & RRPL-B060 RRRL-B024-B060 RKKA-A036-A073-3 Ph.only RKKA-A085 RKMA-A072 RKNA-A036-A060 RKNL-A036-A060 RKPL-A036-A060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RKKA-A085**13T RKKB-A090-A300 RKMB-A090-A240 RKNB-A090-A120, A180 RKNL-B072, 085, 090, 102, 120, 150, 180, 240, 300	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM PACKAGED A/C WITH OPTIONAL ELECTRIC HEAT

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITH ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RSNA-B024-B060 RSNL-B024-B060 RSPL-B024-B060 RLKA-A036-A073-3 Ph.only RLKA-A085 RLMA-A072 RLNA-A036-A060 RLNL-A036-A060 RLPL-A036-A060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RLKB-A090-A300 RLMB-A090-A240 RLNB-A090-A120, A180 RLNL-B072, 085, 090, 102, 120, 150, 180, 240, 300	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF

RHEEM PACKAGED HEAT PUMP WITH OPTIONAL ELECTRIC HEAT

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITH ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RQNA-B024-B048 RQNL-B024-B048 RQPL-B024-B048 RJKA-A036-A060-3 Ph.only RJNA-A036-A060 RJNL-A036-A060 RJPL-A036-A060	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RJKB-A090, -A120 RJMB-A078-A090-A120	3	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

Thermostat System Matchups

RHEEM PACKAGED GAS / ELECTRIC UNITS

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITHOUT ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RRKA-A036-A060-3 Ph.only RRNA-B024-B060 RRNA-C048-C060 RRNL-B024-B048 RRPL-B024-B048 RKKA-A036-A073-3 Ph.only RKNA-A036-A060 RKNL-A036-A060 RKPL-A036-A060	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RRNL & RRPL-B060 RRRL-B024-B060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RKKA-A085	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RKKA-A085**13T RKKB-A090-A300 RKMB-A090-A240 RKNB-A090-A120, A180 RKNL-B072, 085, 090, 102, 120, 150, 240, 300	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM PACKAGED A/C WITH OPTIONAL ELECTRIC HEAT

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITHOUT ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RSNJ-A024-A060 RSNM-A024-A060 RSPM-A024-A060 RSKA-A036-A060 - 3 PH RSNA-B024-B060 RSNA-C048-C060 RSNL-B024-B060 RSPL-B024-B060 RLKA-A036-A073 - 3 PH RLNA-A036-A060 RLNL-A036-A060 RLPL-A036-A060	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RLKA-A085 RLMA-A072	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF
RLKB-A090-A300 RLMB-A090-A240 RLNB-A090-A120, A180 RLNL-B072, 085, 090, 102, 120, 150, 240, 300	1 or 2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF

RHEEM PACKAGED HEAT PUMP WITH OPTIONAL ELECTRIC HEAT

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITHOUT ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RQNJ-A024-A060 RQNM-A024-A060 RQPM-A024-A060 RQKA-A036-A048 - 3 PH RQNA-B024-B048 RQNL-B024-B048 RQPL-B024-B048 RJKA-A036-A060 - 3 PH RJNA-A036-A060 RJNL-A036-A060 RJPL-A036-A060	2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H1C/HP Non-Programmable 2H2C/GE/HP Programmable 2H1C/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RQPW-B024-B048	DUAL FUEL	1	RHC-TST402DFMS	Programmable 2stg ht 2stg cl gas,oil,ele
RJKB-A090, -A120 RJMB-A078-A090-A120	3	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

Thermostat System Matchups

RHEEM COMMERCIAL SPLIT A/C AND AIR HANDLER WITHOUT ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Condensing Unit	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RAWD-078,-090,-091 RAWD-100,-125,-151 RAWE-078,-090 RAWE-079,-091	RHGE RHGG	0	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RAWE-120,-150 RAWE-180,-240 RAWE-181,-241	RHGG	0	2	RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM COMMERCIAL SPLIT A/C AND AIR HANDLER WITH ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Condensing Unit	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RAWD-076,-078 RAWD-090,-091 RAWD-100,-125,-151 RAWE-078,-090 RAWE-079,-091	RHGE RHGG	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RAWE-120,-150 RAWE-180,-240 RAWE-181,-241	RHGG	1	2	RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM COMMERCIAL SPLIT HEAT PUMP AND AIR HANDLER WITH ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RPWC-075,-100 RPWE-090,-120	RHGF RHGG	2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS	Non-Programmable 2H1C/HP Non-Programmable 2H2C/GE/HP Programmable 2H1C/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

Thermostat System Matchups

CONDENSER / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
13AJL 13AJA 14AJA 14AJL	RBHP	1 or 2	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

CONDENSER / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
13AJL 13AJA 14AJA 14AJL	80LS 80PS 90TS 90RS 90RT	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 1H1C/GE Non-Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 2H2C/GE/HP Programmable 1H1C/GE Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP Programmable 4H2C/GE/HP/BF

HEAT PUMP / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL	RBHP	1 or 2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H1C/HP Non-Programmable 2H2C/GE/HP Programmable 2H1C/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

HEAT PUMP / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump 1-Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL	90RS 90RT 90TS 80PS 80LS	1	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS	Non-Programmable 2H1C/HP Non-Programmable 2H2C/GE/HP Programmable 2H1C/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP Programmable 3H2C/GE/HP/BF

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

**Rheem Heating,
Cooling and
Water Heating**

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