

THERMOSTATS

200-Series
PROGRAMMABLE
RHC-TST211GESS
RHC-TST213UNMS

300-Series
DELUXE PROGRAMMABLE
RHC-TST305UNMS
RHC-TST314UNMS

400-Series
SPECIAL APPLICATIONS/
PROGRAMMABLE
RHC-TST412MDMS
RHC-TST422DFMS

500-Series
COMMUNICATING/
PROGRAMMABLE
RHC-TST501CMMS
RHC-TST550CMMS



Model Number Identification

Brand		Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	213	UN	MS
RHC=Rheem		TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating Furnace DF=Dual Fuel CM=Communicating	SS=Single-Stage MS=Multi-Stage

RHEEM THERMOSTATS

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



200-SERIES PROGRAMMABLE MODEL #	DESCRIPTION	TERMINALS	POWER SOURCE
 RHC-TST211GE	1H/1C,GE	RH,RC,C,W,G,Y,O/B	Battery/Hardwired
 RHC-TST213UNMS	2H/2C,GE,HP	RC,RH,C,W/E,W2,G,Y1,Y2,O/B,L,6	Battery/Hardwired
300-SERIES PROGRAMMABLE MODEL #	DESCRIPTION	TERMINALS	POWER SOURCE
 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
 RHC-TST314UNMS	3H/2C,GE,HP	C,Rc,Rh,W/E,WZ,Y,Y2,G,L O,B,6,+, -,S	Battery/Hardwired
400-SERIES SPECIAL APPLICATIONS PROGRAMMABLE MODEL #	DESCRIPTION	TERMINALS	POWER SOURCE
 RHC-TST412MDMS	MD/2C, GE, HP, DF, DH, HM	B,Y2,Y,G,Rc, Rh,C,DHM,HM,W/E,V,+, -,S,L	Hardwired
 RHC-TST422DFMS (Outdoor Temperature Sensor Included)	4H/2C,GE,HP,DF	Rc,RH,C,W/E,W2,Y,Y2,G,O/B 6,L,DHM,HM,+,S,-	Battery/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
 RHC-TST550CMMS	HIGH DEFINITION COMMUNICATING HP, GE, DF, DH	R, C, 1, 2*	Hardwired

*2-WIRE KIT AVAILABLE

LEGEND:

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

2H = 2 HEAT
3H = 3 HEAT
4H = 4 HEAT

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

HP = HEAT PUMP
MD = MODULATING FURNACE
HM = HUMIDIFICATION
CM = COMMUNICATING



FLUSH MOUNT ROOM TEMPERATURE SENSORS FOR NETWORKED (ClearControl™) DDC APPLICATIONS



ROOM TEMPERATURE SENSOR RHC-ZNS1 with TIMED OVERRIDE BUTTON

10kΩ room temperature sensor transmits room temperature to DDC system. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time.

Terminals	
S	Space Sensor
C	Common



ROOM TEMPERATURE SENSOR RHC-ZNS2 with TIMED OVERRIDE BUTTON and STATUS INDICATOR

10kΩ room temperature sensor transmits room temperature to DDC system. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time. Status Indicator Light transmits ALARM flash code to occupied space.

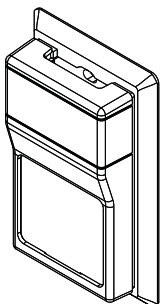
Codes	
1	L Terminal
4	Space Sensor
5	Common



ROOM TEMPERATURE SENSOR RHC-ZNS3 with SETPOINT ADJUSTMENT and TIMED OVERRIDE BUTTON

10kΩ room temperature sensor with setpoint adjustment transmits room temperature to DDC system along with desired occupied room temperature setpoint. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time.

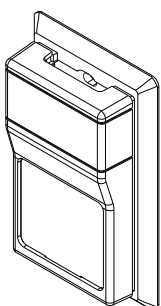
Codes	
P	Potentiometer
S	Space Sensor
C	Common



HUMIDITY SENSOR RHC-ZNS4

A 0 to 10 V room humidity sensor transmits the humidity setting to the DDC system.

Terminals	
V+	24 VAC
V-	24 VAC Common
V out	Humidity Output



HUMIDITY SENSOR and ROOM TEMPERATURE RHC-ZNS5

10kΩ room temperature sensor and a 0 to 10 V room humidity sensor transmits the humidity setting to the DDC system.

Terminals	
V+	24 VAC
V-	24 VAC Common
V out	Humidity Output
Temp	Space Temperature Sensor
Temp+	Space Temperature Sensor



MISCELLANEOUS ACCESSORIES



COMFORT ALERT THERMOSTAT 1F95CA-397

- Works with *Comfort Alert™* module active protection that shuts down the compressor during fault conditions to prevent permanent damage to the compressor.



OUTDOOR SENSOR F1451378

- For use with all Rheem thermostats with remote sensor capability
- Classic white color
- Digital signal output provides superior temperature control
- Works with a maximum 300 foot wire run



INDOOR SENSOR F1451328

- For use with all Rheem thermostats with remote sensor capability
- Classic white color
- Digital signal output provides superior temperature control
- Works with a maximum 300 foot wire run



RETURN/SUPPLY SENSOR RXHT-A01

- The RXHT-A01 Thermistor Kit is to be used with the communicating air handler control to monitor the system return and supply air temperatures. These temperatures can be monitored with the communicating thermostat.



TWO-WIRE KIT: RXME-A02

- The communicating system 2 Wire Kit uses a transformer in the outdoor unit to allow the system to operate with only 2 wires between the outdoor unit and the indoor unit.

SINGLE-STAGE

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

200-Series

RHC-TST211GESS

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.



**Lighted 4"
Display**

Features & Benefits

- Fast and easy to program
- Electronic accuracy
- Permanent program retention
- Lighted 4-inch blue display
- Easy-to-wire terminal block
- Millivolt compatible
- Auto-changeover
- Keypad lockout option

Warranty

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



Dimensions

5.1"W [130 mm] x 3.9"H [99 mm] x 1.2"
[30 mm]

Electrical Specifications

Rating

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

Single-Stage gas, oil, electric

Thermal Specifications

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

Rated Differential: 0.4° to 1.7°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: -40° to
150°F (-4° to 65°C)

Programming

Choice of 5/1/1 or 5/2 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 – 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

Temporary temperature override two hour
minimum or until next program period

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

Selectable Energy Management Recovery

New – Powerful next generation
microprocessor

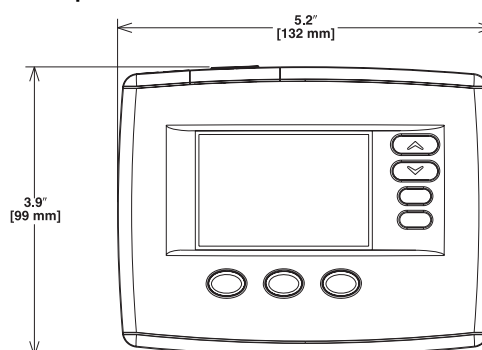
Meets California Building Code, Title 24

Dual Powered (hardwired and battery)
(patented)

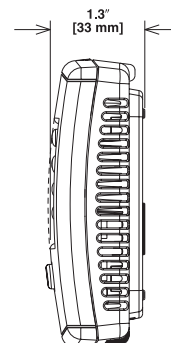
Fast (FA) or slow (SL) heating cycle
anticipation

Compressor lockout protection (optional)

Footprint



Profile



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-TST213UNMS

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.



**Lighted 4"
Display**

Features & Benefits

- Fast and easy to program
- Electronic accuracy
- Permanent program retention
- Lighted 4-inch blue display
- Easy-to-wire terminal block
- Millivolt compatible
- Auto-changeover
- Keypad lockout option

Warranty

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



Dimensions

5.1"W [130 mm] x 3.9"H [99 mm] x 1.2"
[30 mm]

Electrical Specifications

Rating

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: 0.4° to 1.7°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: -40° to
150°F (-4° to 65°C)

Terminal Designations



Programming

Choice of 5/1/1 or 5/2 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

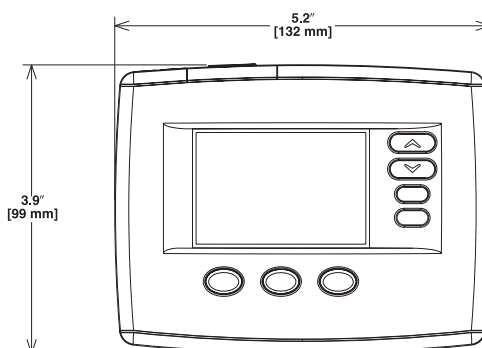
Air filter change indicator

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

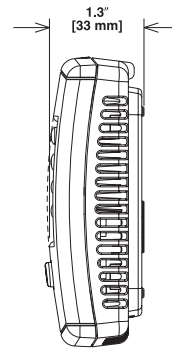
Performance

New – Universal Single-Stage, Multi-Stage
or Heat Pump
Selectable Energy Management Recovery
New – Powerful next generation
microprocessor
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



UNIVERSAL TOUCHSCREEN THERMOSTATS

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

300-Series RHC-TST314UNMS

The New Color of Comfort & 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 12"
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
- Large easy-to-see characters

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:
-40° to 150°F (-4° 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

Programming

Universal – installer selectable system
applications

Universal – choice of 7 day or 5/1/1
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 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

Outdoor temperature sensing (optional)

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

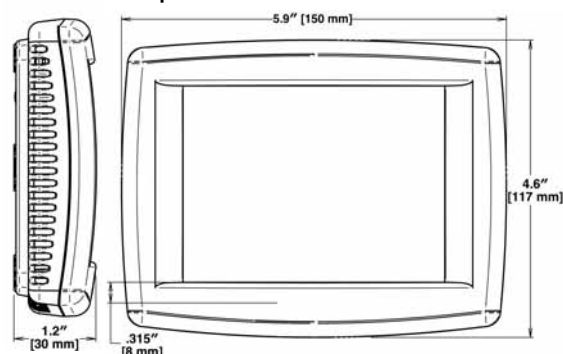
Maintains room temperature to within
+/- 1°

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

Terminal Designations



Profile Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

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

300-Series RHC-TST305UNMS

ULTIMATE CONTROL. ULTIMATE COMFORT

Introducing the 300-Series blue humidity touchscreen offers humidification and dehumidification 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 indoor or outdoor sensing at the thermostat; requires no outdoor sensor
- 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%



Humidification & Dehumidification 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 (-4° 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 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

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

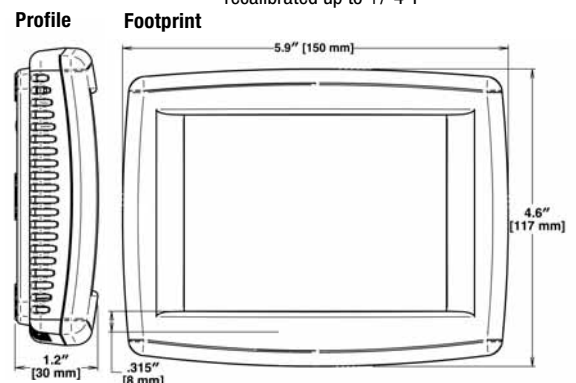
Furnace filter change reminder

Humidifier pad change reminder

Maintains room temperature to within +/- 1°F

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

Terminal Designations



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 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

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°

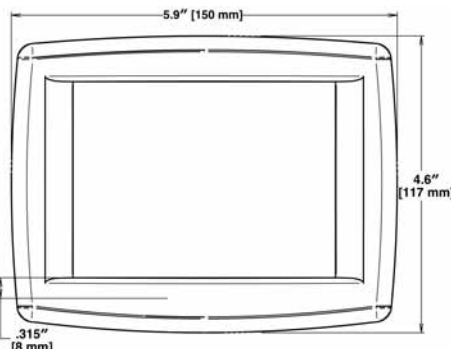
Terminal Designations



Profile



Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • 4 Heat/2 Cool • Gas/Oil/Electric, Heat Pump
Dual Fuel Capable • Hardwired

400-Series RHC-TST422DFMS

ULTIMATE CONTROL. ULTIMATE COMFORT

Introducing the 400-Series blue humidity touchscreen offers humidification and dehumidification control, delivering a new line of comfort to your customers.

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)



Humidification & Dehumidification Control

Lighted 12" 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 (-4° 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 or 5/1/1 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 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

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

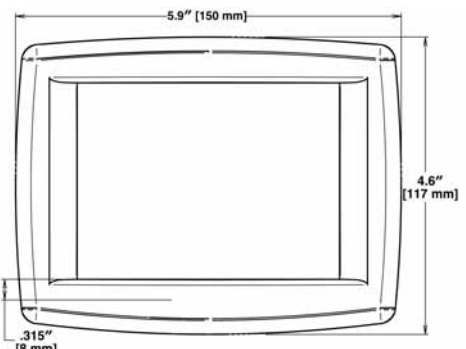
Terminal Designations



Profile



Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

Programmable • 4 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 Control System™* will provide improved comfort, optimal energy efficiency, and enhanced reliability and performance. The *Comfort Control 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
- * (2-wire kit available for quick hook-up retrofit applications)
- Diagnostic Messages (Service Access Space to Fault Codes)
- Blower Adjustment in Heat and Cool
- Programmable Fan

Homeowner Benefits:

- Scrolling System Status
- Dehumidification 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)

Communicating Systems

Multi-Stage gas, 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 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

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

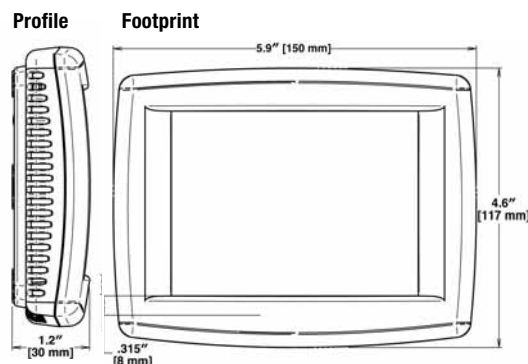
Humidifier change pad reminder

UV lamp maintenance

Maintains room temperature to within
+/- 1°

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

Terminal Designations



UNIVERSAL HD SERIAL COMMUNICATING

Programmable • 4 Heat/2 Cool • Gas/Electric,
Heat Pump • Hardwired

500-Series RHC-TST550CMMS

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.



**High Definition
Display**

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 (2-wire kit available for quick hook-up retrofit applications)
- Diagnostic Messages (Service Access Space to Fault Codes)
- Blower Adjustment in Heat and Cool
- Programmable Fan
- USB Interface for contractor contact information and thermostat programming

Homeowner Benefits:

- Dehumidification Control
- Humidification Control
- 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

6.15"W [156 mm] x 3.304"H [84 mm]
x .670"D [17 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

Input-Hardwire: 20 to 30 VAC

1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals
combined)

Communicating Systems

Clock setting retains for 8 hours during
power loss.

Multi-Stage gas, electric

Multi-Stage heat pump

Terminal Designations



Programming

Installer selectable system applications
Universal – choice of 7 day, 5/2
(week/weekend) 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%

Display

3.5" diagonal high definition color display
Multiple user interface color scheme
options.

Clean, uncluttered display provides easier
navigation

Performance

Selectable Energy Management Recovery
Meets California Building Code, Title 24
Easy-to-wire terminal block

Comfort & Convenience

Permanent program retention during
power loss

Temporary temperature override - can be
set from 15 minutes for up to 24 hours

Auto Air Circulation – fan will cycle on for
10 minutes and then off for 20 minutes.

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

Setpoint temperature "limited range"
capable

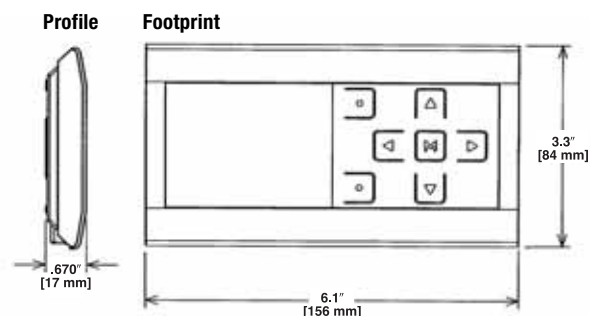
Filter change reminder

Humidifier change pad reminder

UV lamp maintenance

Maintains room temperature to within
+/- 1°

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



Thermostat System Matchups

RHEEM CONDENSER / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RANL RAPM	RHLL RHSL RHKL RBHP	1 or 2	1	RHC-TST101GESS* RHC-TST103UNMS* RHC-TST201GESS* RHC-TST203UNMS* RHC-TST213UNMS* RHC-TST301GESS* RHC-TST302UNMS* RHC-TST303UNMS* RHC-TST304UNMS* RHC-TST314UNMS*	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		
RANL RAPM	R92P R95P R95T RGLN RGLT RGPN RGPT RGRA RGRC RGTA RGTC RGRB ROLA ROCA	1	1	RHC-TST101GESS* RHC-TST103UNMS* RHC-TST201GESS* RHC-TST203UNMS* RHC-TST211GESS RHC-TST213UNMS* RHC-TST301GESS* RHC-TST302UNMS* RHC-TST303UNMS* RHC-TST304UNMS* RHC-TST314UNMS*	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 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RANL RAPM	R96V R96P RGLQ RGLE RGPQ RGRM RGRL RGPE RGRK RGTK RGTM	2	1	RHC-TST103UNMS* RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RARL	RBHM RHPL RHPN	2	2	RHC-TST103UNMS* RHC-TST203UNMS* RHC-TST213UNMS RHC-TST302UNMS* RHC-TST303UNMS*	Non-Programmable 2H2C Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RASL	RHPN RBHN RHPL			RHC-TST304UNMS* RHC-TST305UNMS* RHC-TST314UNMS	

* 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 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	R96P R96V RGLE RGPE RGRM RGTM	2	2	RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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 RHC-TST550CMMS	Communicating-Programmable 2H2C 4H/2C/GE/HP/DF
RASL	RHPN RHPL				

RHEEM HEAT PUMP / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPNL RPQL	RHKA RHLA RHSA RBHP RHKL RHLL RHSL	2	1	RHC-TST102HPMS* RHC-TST103UNMS* RHC-TST202HPMS* RHC-TST203UNMS* RHC-TST213UNMS* RHC-TST302UNMS* RHC-TST303UNMS* RHC-TST304UNMS* RHC-TST314UNMS*	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		
RPNL RPQL	R92P R95P R95T RGLN RGLS RGLT RGPN RGPT RGRA RGRC RGTA RGTC RGRB ROLA ROCA	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST402DFMS RHC-TST422DFMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

Thermostat System Matchups

RHEEM HEAT PUMP / FURNACE 2-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RPNL RPQL	R96P R96V RGLQ RGLE RGPE RGRL RGRK RGTK	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST402DFMS RHC-TST305UNMS RHC-TST422DFMS	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	R96P R96V RGLQ RGPE RGRM RGTM	Dual Fuel	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST305UNMS RHC-TST402DFMS RHC-TST422DFMS	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	RHPL	2	2	RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST305UNMS RHC-TST314UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

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	RHPL	4	2	RHC-TST501CMMS RHC-TST550CMMS	Communicating/Programmable 4H/2C/GE/HP/DF

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

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	R96P R96V RGPE RGLE	Dual Fuel	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST305UNMS RHC-TST402DFMS RHC-TST422DFMS	Communicating Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

Thermostat System Matchups

RHEEM HEAT PUMP 2-STAGE / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RARL RASL	R96P R96V RGPE RGLE	2	2	RHC-TST501CMMS RHC-TST550CMMS	Communicating Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RHEEM HEAT PUMP / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RPNL RPQL	RGFE RGGE RGJF	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	RGFE RGGE RGJF	Modulating	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		
RANL RAPM	RGFE RGGE RGJF	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	RGFE RGGE RGJF	Modulating	2	RHC-TST412MDMS	Programmable Mod/GE/DF

RHEEM HEAT PUMP 2-STAGE / MODULATING FURNACE COMMUNICATING

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RGFE RGGE RGJF	Modulating	2	RHC-TST501CMMS RHC-TST550CMMS	Programmable Mod/GE/DF

RHEEM CONDENSER 2-STAGE / MODULATING FURNACE COMMUNICATING

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
RARL RASL	RGFE RGGE RGJF	Modulating	2	RHC-TST501CMMS RHC-TST550CMMS	Programmable Mod/GE/DF

Thermostat System Matchups

RHEEM CONDENSER / AIR HANDLER

SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITH ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RRNL-B024-B048 RRPL-B024-B048 RRNL & RRPL-B060 RRRL-B024-B060 RKKL-A072 RKNL-A036-A060 RKPL-A036-A060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RKNL-B072, 085, 090, 102, 120, 150, 180, 210, 240, 300	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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
RSNL-B024-B060 RSPL-B024-B060 RLKL-A072 RLNL-A036-A060 RLPL-A036-A060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RLNL-B072, 085, 090, 102, 120, 150, 180, 210, 240, 300	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST305UNMS RHC-TST314UNMS	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
RQNL-B024-B048 RQPL-B024-B048 RJNL-A036-A072 RJPL-A036-A060	2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RJNL-B090, B120	3	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

* 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 PACKAGED GAS / ELECTRIC UNITS				
SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITHOUT ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RRNL-B024-B048 RRNL-B024-B048 RRPL-B024-B048 RKNL-A036-A060 RKPL-A036-A060	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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/DF/DF Programmable 3H2C/GE/HP
RRNL & RRPL-B060 RRRL-B024-B060	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DF/DF Programmable 3H2C/GE/HP
RKKL-A072	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DF/DF Programmable 3H2C/GE/HP
RKNL-B072, 085, 090, 102, 120, 150, 210, 240, 300	2	2	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DF/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
RSNM-A024-A060 RSPM-A024-A060 RSNL-B024-B060 RSPL-B024-B060 RLNL-A036-A060 RLPL-A036-A060	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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
RLKL-A072	1	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF
RLNL-B072, 085, 090, 102, 120, 150, 210, 240, 300	1 or 2	2	RHC-TST103UNMS RHC-TST203UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST305UNMS RHC-TST314UNMS	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
RQNM-A024-A060 RQPM-A024-A060 RQRM-A030-A048 RQNL-B024-B048 RQPL-B024-B048 RJNL-A036-A072 RJPL-A036-A060	2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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,e
RJNL-B090, B120	3	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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
RAWL-078, -090, -120	RHGL	0	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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
RAWL-125, -150, -180, -240	RHGL	0	2	RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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 WITHOUT ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RPWL-090, -120	RHGM	1	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	Non-Programmable 2H1C/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

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
RAWL-078, -090, -120	RHGL	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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
RAWL-125, -150, -180, -240	RHGL	1	2	RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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 WITHOUT ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RPWL-090, -120	RHGM	2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST314UNMS	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 13AJM 13AJA 14AJA 14AJL 14AJM	RBHP	1 or 2	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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 13AJM 13AJA 14AJA 14AJL 14AJM	R92P R95P R95T RGLS RGPS RGTS RGRS RGRT	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST301GESS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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	
Condenser 1 Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL 14PJM 15PJL	RBHP	1 or 2	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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	
Condenser 1 Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL 14PJM 15PJL	R92P R95P R95T RGRS RGRT RGTS RGPS RGLS	1	1	RHC-TST102HPMS RHC-TST103UNMS RHC-TST202HPMS RHC-TST203UNMS RHC-TST211GESS RHC-TST213UNMS RHC-TST302UNMS RHC-TST303UNMS RHC-TST304UNMS RHC-TST305UNMS RHC-TST314UNMS	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**

P.O. Box 17010, Fort Smith, AR 72917



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