THERMOSTATS

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

200-Series
PROGRAMMABLE
RHC-TST201GESS
RHC-TST202HPMS
RHC-TST203UNMS
RHC-TST213UNMS

300-Series
DELUXE PROGRAMMABLE
RHC-TST301GESS
RHC-TST302UNMS
RHC-TST303UNMS
RHC-TST304UNMS
RHC-TST305UNMS
RHC-TST314UNMS

400-Series
SPECIAL APPLICATIONS/
PROGRAMMABLE
RHC-TST402DFMS
RHC-TST412MDMS
RHC-TST422DFMS

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

Model Number Identification

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

RHEEM THERMOSTATS

100-Series, 200-Series, 300-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
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-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	B,L,SA,SB,OT,DHM,HM,SC R,C,G,Y1,Y2,E/W1,W2,O,	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
RHC-TST314UNMS	3H/2C,GE,HP	C,Rc,Rh,W/E,WZ,Y,Y2,G,L O,B,6,+,-,S	Battery/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	2H = 2 HEAT	DF = DUAL FUEL	HP = HEAT PUMP
2C = 2 COOL	3H = 3 HEAT	DH = DEHUMIDIFICATION	MD = MODULATING FURNACE
1H = 1 HEAT	4H = 4 HEAT	GE = GAS/OIL/ELECTRIC	HM = HUMIDIFICATION
			CM = COMMUNICATING

400-Series, 500-Series

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
RHC-TST422UNMS (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

* 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	2H = 2 HEAT	DF = DUAL FUEL	HP = HEAT PUMP
2C = 2 COOL	3H = 3 HEAT	DH = DEHUMIDIFICATION	MD = MODULATING FURNACE
1H = 1 HEAT	4H = 4 HEAT	GE = GAS/OIL/ELECTRIC	HM = HUMIDIFICATION
			CM = COMMUNICATING

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
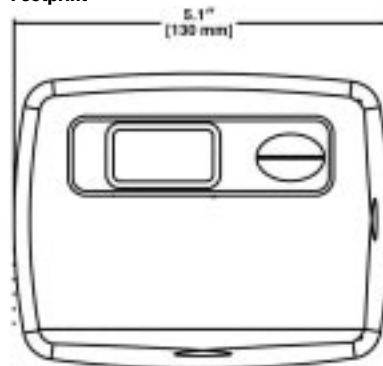
Profile

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
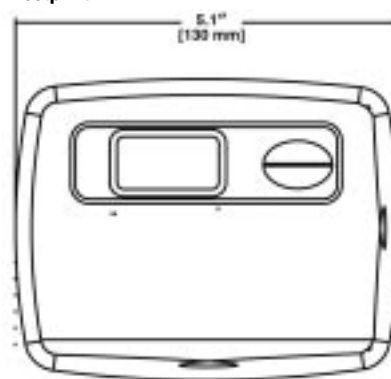Fast (FA) or slow (SL) heating cycle anticipation
B or O terminal *(selectable)*
Compressor lockout protection *(optional)*

Footprint

Profile
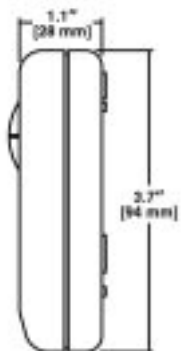
Terminal Designations

R   C   Y   W2   G   B/O   L   E

* 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.

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

Terminal Designations

(R)(C)(Y1)(E/W1)(W2)(G)(O/B)—(Y2)(L)

* 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.

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.

Footprint
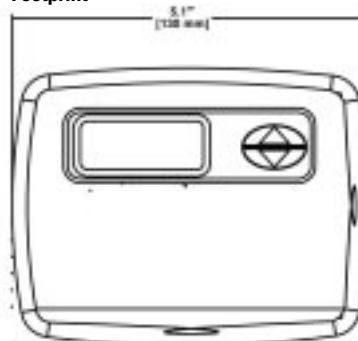
Profile
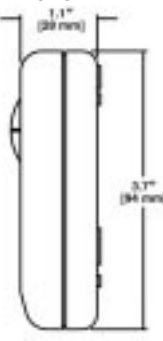
SINGLE-STAGE

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.

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).

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

Terminal Designations

C Rc Rh W Y G O B

New — Easy to wire terminal block

Compressor lockout protection

Millivolt compatible

Electric heat option

Footprint
6.1″ [155 mm]
3.8″ [97 mm]
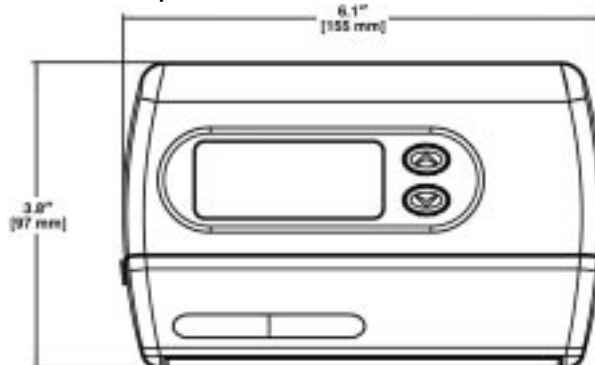
Profile
1.1″ [28 mm]

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)

Terminal Designations
(R) (C) (Y) (W2) (G) (B/o) (L) (E)

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 wih 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

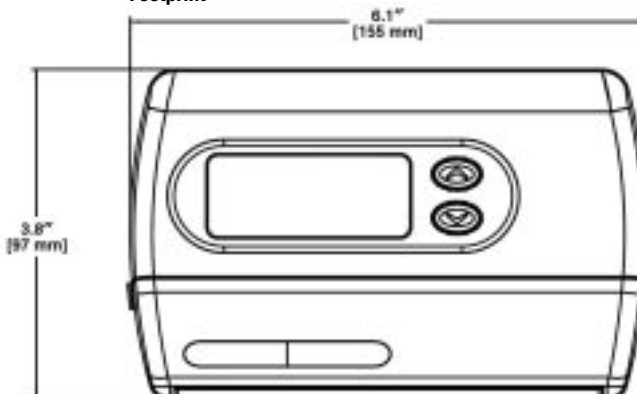*New* – Powerful next generation microprocessor

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)*

Footprint

6.1″ [155 mm]

3.8″ [97 mm]

Profile

1.1″ [28 mm]

UNIVERSAL
MULTI-STAGE/HEAT PUMP/SINGLE-STAGE

200-Series

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

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.

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 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
R C E/W1 W2 G Y1 Y2 O B L

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
6.1″ [155 mm]
3.8″ [97 mm]

Profile
1.1″ [28 mm]

Rheem Heating, Cooling and Water Heating   9
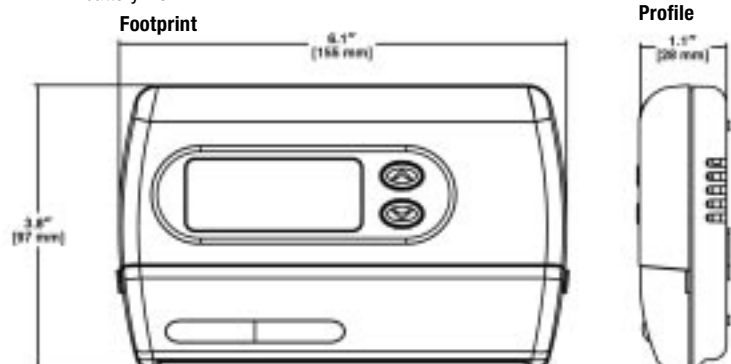
200-Series

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

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).

5 YEAR LIMITED WARRANTY

Dimensions
5.1″W [130 mm] x 3.9″H [99 mm] x 1.2″ [30 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: 0.4° 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: -4° to 150°F (-20° to 65°C)

Terminal Designations
RH RC C W/E W2 G Y1 Y2 O/B L 6

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 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

5.2″ [132 mm]

3.9″ [99 mm]

Profile

1.3″ [33 mm]

SINGLE-STAGE TOUCHSCREEN THERMOSTATS

300-Series

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

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

Terminal Designations

Rc Rh W Y G L O B C

Footprint

5.9″ [150 mm]

4.6″ [117 mm]

.315″ [8 mm]

Profile

1.2″ [30 mm]

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

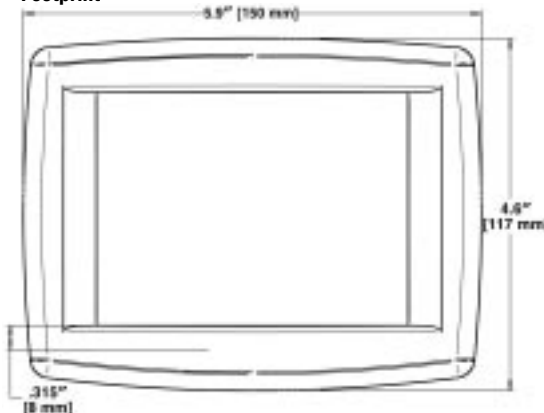Furnace filter change reminder

Humidifier change pad reminder

Maintains room temperature to within +/- 1°

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

UNIVERSAL
MULTI-STAGE HEAT PUMP
300-Series
Programmable • 3 Heat/2 Cool • Gas/Oil/Electric • Heat Pump •
Dual Fuel Capable • Hardwired
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

R C G Y1 Y2 W3/A1 W2

W1 E2/P E O B L

Footprint

6.9" [175 mm]

4.1" [104 mm]

Profile

1.3" [33 mm]
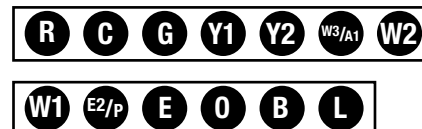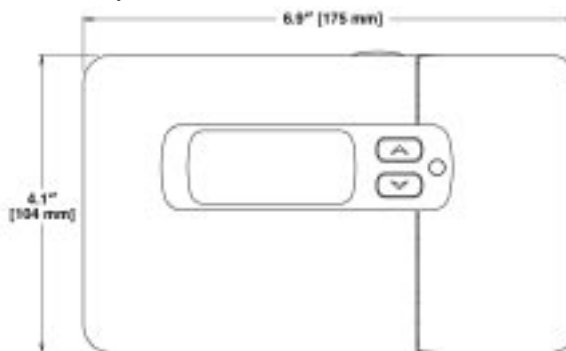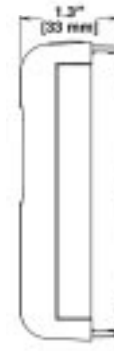
MULTI-STAGE/HEAT PUMP

300-Series

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

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

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

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

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

Energy Source Optimizer selects heat pump or fossil fuel system

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

R C G Y1 Y2 E/W1 W2 O

B L SA SB OT DHM HM SC

Footprint

6.9″ [175 mm]

4.1″ [104 mm]

Profile

1.3″ [33 mm]

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.

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

Lighted Touchscreen

Warranty

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

5 YEAR LIMITED WARRANTY

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

(C) (Rc) (Rh) (W/E) (W2) (Y) (Y2) (G) (L) (O) (B)

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

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

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).

5 YEAR LIMITED WARRANTY

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

C Rc Rh W/E W2 Y Y2 G L O B 6 + − S

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 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

Outdoor temperature sensing (optional)

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
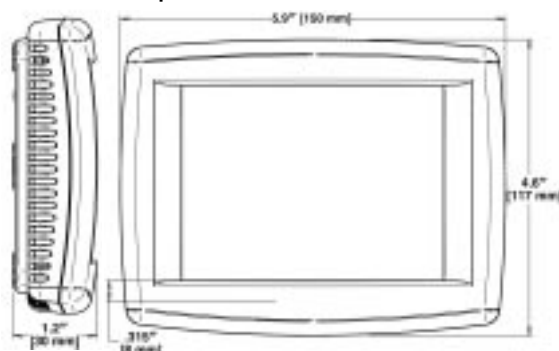
Furnace filter change reminder
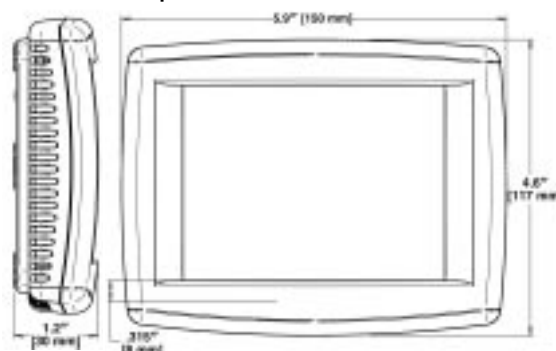
Humidifier change pad reminder

Maintains room temperature to within +/- 1°

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

Profile   **Footprint**

5.9" [150 mm]

4.6" [117 mm]

1.2" [30 mm]   .315" [8 mm]

UNIVERSAL
TOUCHSCREEN THERMOSTATS

300-Series
RHC-TST305UNMS

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

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 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%

Dehumidification & Humidifier Control

Lighted Touchscreen

Warranty

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

5 YEAR LIMITED WARRANTY

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
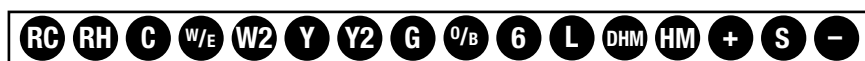
Furnace filter change reminder

Humidifier pad change reminder

Maintains room temperature to within +/- 1°F

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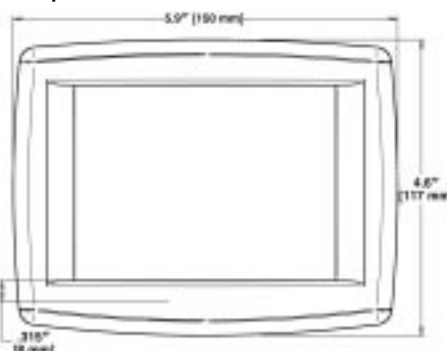
Profile **Footprint**

5.9" [150 mm]

4.6" [117 mm]

1.2" [30 mm]   .315" [8 mm]

Terminal Designations

(RC) (RH) (C) (W/E) (W2) (Y) (Y2) (G) (O/B) (6) (L) (DHM) (HM) (+) (S) (−)

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

(R) (C) (G) (Y1) (Y2) (E/W1) (W2) (O)

(B) (L) (SA) (SB) (OT) (DHM) (HM) (SC)

Footprint

6.9″ [175 mm]

4.1″ [104 mm]

Profile

1.3″ [33 mm]

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.

Lighted Touchscreen

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

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
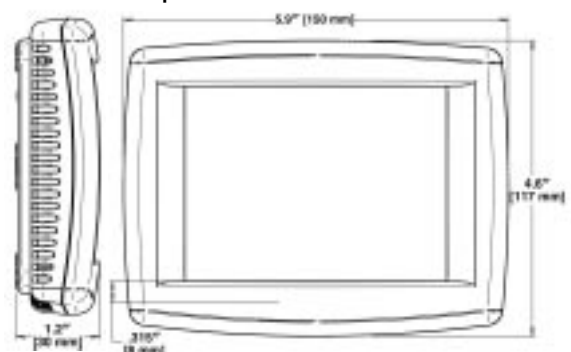
Humidifier change pad reminder

Maintains room temperature to within +/- 1°

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

Terminal Designations
B Y2 Y G Rc Rh C DHM HM W/E V + − S L

Profile **Footprint**

false

false

UNIVERSAL
TOUCHSCREEN THERMOSTATS

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

400-Series
RHC-TST422UNMS

ULTIMATE CONTROL. ULTIMATE COMFORT

Introducing the 400-Series blue humidity touchscreen offers dehumid-ification and humidifier 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)

Dehumidification & Humidifier 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 (-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

Terminal Designations

RC RH C W/E W2 Y Y2 G O/B 6 L DHM HM + S −

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 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

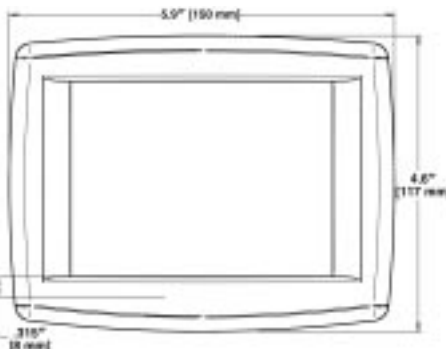Room temperature display can be recalibrated up to +/-4°F

Profile   Footprint

5.9" [150 mm]

4.6" [117 mm]

1.2" [30 mm]   .315" [8 mm]

false

Rheem Heating, Cooling and Water Heating   19

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
- 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).

5 YEAR LIMITED WARRANTY

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 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

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°

Profile   **Footprint**

5.9" [150 mm]

4.6" [117 mm]

1.2" [30 mm]   .315" [8 mm]

Terminal Designations

(R) (C) (1) (2)
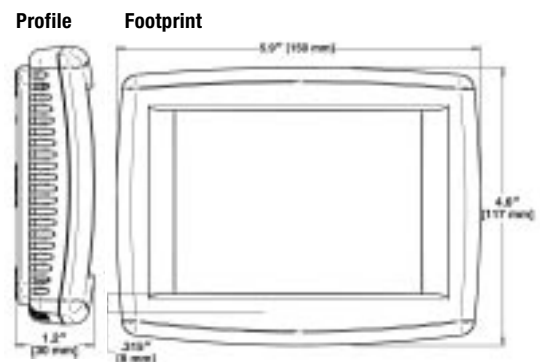
UNIVERSAL
HD SERIAL COMMUNICATING

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 Defintion 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
- Diagnostic Messages (Service Access to Fault Codes)
- Blower Adjustment in Heat and Cool
- Programmable Fan
- USB Interface for contractor contact information and thermostat programming

Homeowner Benefits:
- Scrolling System Status
- De-Humidification 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

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 ENERGY STAR® specifications
Meets California Building Code, Title 24
Easy-to-wire terminal block

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 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
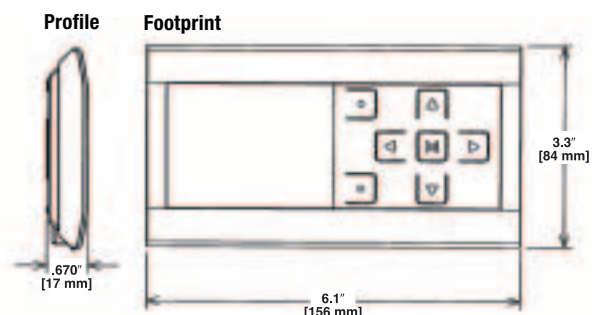Filter change reminder
Humidifier change pad reminder
UV lamp maintenance
Maintains room temperature to within +/- 1°
Room temperature display can be recalibrated up to +/-4°

Terminal Designations

(R) (C) (1) (2)

Profile   **Footprint**

3.3″ [84 mm]

.670″ [17 mm]

6.1″ [156 mm]

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 RAPM	RHLA RHSA RHKA 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		
RAND RAPC RARA RANL RAPL RAKB RAPM	RGLN RGPN RGRA RGRC RGTA RGTC RGRB ROBF ROPF	1	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 2-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
RAND RAPC RARA RANL RAPL RAKB RAPM	RGLQ RGLR RGPQ RGRM RGRL RGPR RGRK RGTK	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 2-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* RHC-TST304UNMS* RHC-TST305UNMS* RHC-TST314UNMS	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				

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 RGRM	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 / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPNE RPPB RPNL RPPC RPPL 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		
RPNE RPPB RPNL RPPC RPPL RPQL	RGLN RGLS RGPN RGRA RGRC RGTA,RGTC,RGRB ROBF,ROPF	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST402DFMS RHC-TST422UNMS	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 RPQL RPPL	RGLQ,RGLR RGPQ,RGPR RGRL RGRK,RGTK	Dual Fuel	1	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST402DFMS RHC-TST305UNMS RHC-TST422UNMS	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 RGRM	Dual Fuel	2	RHC-TST302UNMS RHC-TST303UNMS RHC-TST314UNMS RHC-TST305UNMS RHC-TST402DFMS RHC-TST422UNMS	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-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 / AIR HANDLER COMMUNICATION SYSTEM

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
RPRL	RHPL	4	2	RHC-TST501CMMS RHC-TST550CMMS	Communicating/Programmable 4H/2C/GE/HP/DF

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 RPQL 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 RAPM	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

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-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
RKKA-A085**13T RKKB-A090-A300 RKMB-A090-A240 RKNB-A090-A120, A180 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
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-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
RLKB-A090-A300 RLMB-A090-A240 RLNB-A090-A120, A180 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
RQNA-B024-B048 RQNL-B024-B048 RQPL-B024-B048 RJKA-A036-A060-3 Ph.only RJNA-A036-A060 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
RJKB-A090, -A120 RJMB-A078-A090-A120 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
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-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
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/DH/DF Programmable 3H2C/GE/HP
RKKA-A085	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
RKKA-A085**13T RKKB-A090-A300 RKMB-A090-A240 RKNB-A090-A120, A180 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/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-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
RLKA-A085 RLMA-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
RLKB-A090-A300 RLMB-A090-A240 RLNB-A090-A120, A180 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
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-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	Programmable2stg ht 2stg cl gas,oil,ele
RJKB-A090, -A120 RJMB-A078-A090-A120 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
RAWD-078,-090,-091 RAWD-100,-125,-151 RAWE-078, -090 RAWE-079, -091 RAWL-078, -090, -120	RHGE RHGG RHGL	0	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
RAWE-120, -150 RAWE-180, -240 RAWE-181, -241 RAWL-125, -150, -180, -240	RHGG 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
RPWC-075, -100 RPWE-090, -120 RPWL-090, -120	RHGF RHGG 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

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 RAWL-078, -090, -120	RHGE RHGG RHGL	1	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
RAWE-120, -150 RAWE-180, -240 RAWE-181, -241 RAWL-125, -150, -180, -240	RHGG 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 WITH ELECTRIC HEAT

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RPWC-075, -100 RPWE-090, -120 RPWL-090, -120	RHGF RHGG 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-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	80LS 80PS 90TS 90RS 90RT	1	1	RHC-TST101GESS RHC-TST103UNMS RHC-TST201GESS RHC-TST203UNMS 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	
Heat Pump 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL 14PJM	RBHP	1 or 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

HEAT PUMP / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump 1-Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
13PJA 13PJL 14PJL 14PJM	90RS 90RT 90TS 80PS 80LS	1	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 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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Rheem

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