

THERMOSTATS

200-Series
PROGRAMMABLE
UHC-TST211GESS
UHC-TST213UNMS

300-Series
DELUXE PROGRAMMABLE
UHC-TST305UNMS
UHC-TST314UNMS

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

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



Model Number Identification

Brand		Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
UHC	-	TST	213	UN	MS
UHC=Ruud		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

RUUD THERMOSTATS

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



200-SERIES PROGRAMMABLE MODEL #	DESCRIPTION	TERMINALS	POWER SOURCE
 UHC-TST211GESS	1H/1C,GE	RH,RC,C,W,G,Y,O/B	Battery/Hardwired
 UHC-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
 UHC-TST305UNMS	4H/2C,GE,HP,DF	Rc,Rh,C,W/E,WZ,Y,Y2,G O/B,6,L,DHM,HM,+,-S,-	Battery/Hardwired
 UHC-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
 UHC-TST412MDMS	MD/2C, GE, HP, DF, DH, HM	B,Y2,Y,G,Rc, Rh,C,DHM,HM,W/E,V,+,-,S,L	Hardwired
 UHC-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
 UHC-TST501CMMS	COMMUNICATING HP,GE,DF, DH 4H/2C, AH	R, C, 1, 2*	Hardwired
 UHC-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



Accessories

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



ROOM TEMPERATURE SENSOR UHC-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.

Codes	
S	Space Sensor
C	Common



ROOM TEMPERATURE SENSOR UHC-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 UHC-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

RUUD THERMOSTATS (con't.)

Accessories



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 Ruud 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 Ruud 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 UHC-TST211 GESS

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 Ruud – 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 Ruud 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

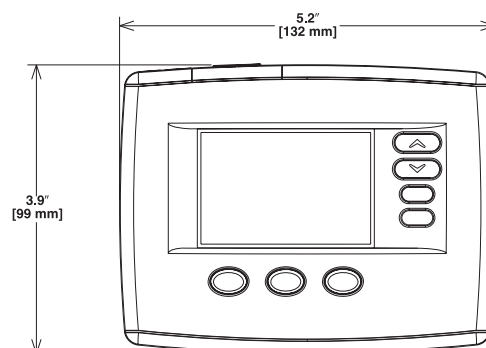
Meets California Building Code, Title 24

Dual Powered (hardwired and battery) (patented)

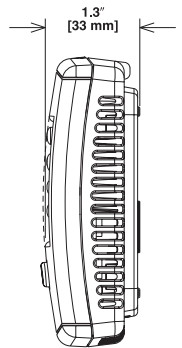
Fast (FA) or slow (SL) heating cycle anticipation

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 UHC-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 Ruud 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

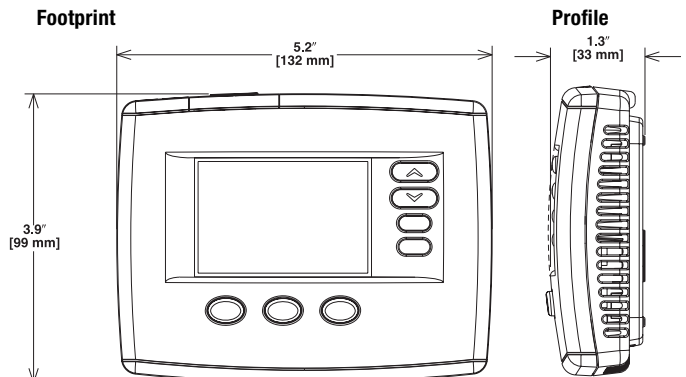
New – Powerful next generation
microprocessor

Meets California Building Code, Title 24

Dual Powered (hardwired and battery)
(patented)

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

Compressor lockout protection (optional)



UNIVERSAL TOUCHSCREEN THERMOSTATS

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

300-Series UHC-TST314UNMS

The New Color of Comfort & Innovation

Ruud 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 Ruud 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

Terminal Designations



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

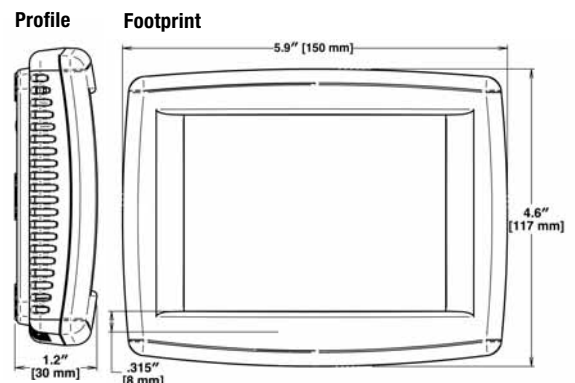
Enhanced (variable) touchscreen security
prevents tampering

Furnace filter change reminder

Humidifier change pad reminder

Maintains room temperature to within
+/- 1°

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



UNIVERSAL TOUCHSCREEN THERMOSTATS

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

300-Series UHC-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 Ruud 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

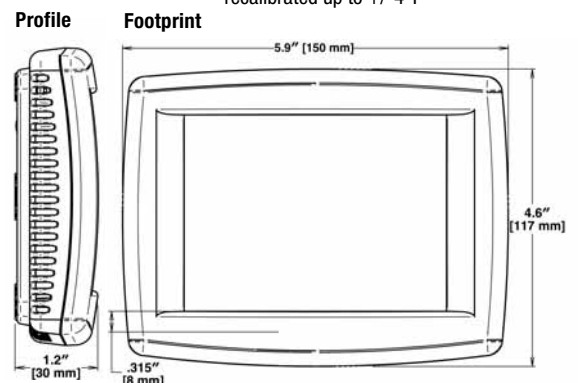
Furnace filter change reminder

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 UHC-TST412MDMS

The Contour of Comfort

Ruud has set a new industry benchmark for Home Comfort with the 400-Series blue touchscreen thermostat, specially designed to work with Ruud *Ultra 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 Ruud 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

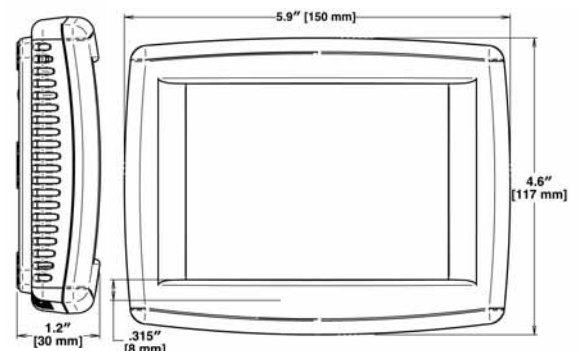
Maintains room temperature to within
+/- 1°

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 UHC-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 Ruud 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

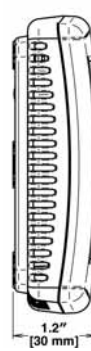
Maintains room temperature to within +/- 1°F

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

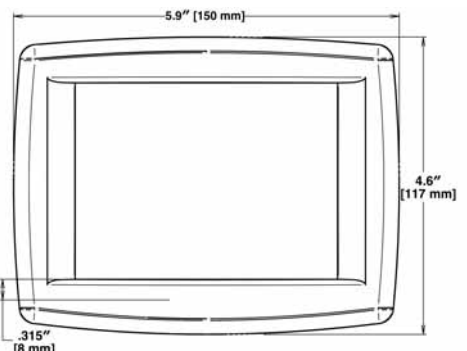
Terminal Designations



Profile



Footprint



UNIVERSAL TOUCHSCREEN THERMOSTATS

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

500-Series UHC-TST501CMMS

Communication is the Key.

Ruud is proud to introduce the 500-Series Thermostat as part of the most sophisticated and easy-to-use home comfort system available today. The Ruud *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 Ruud 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

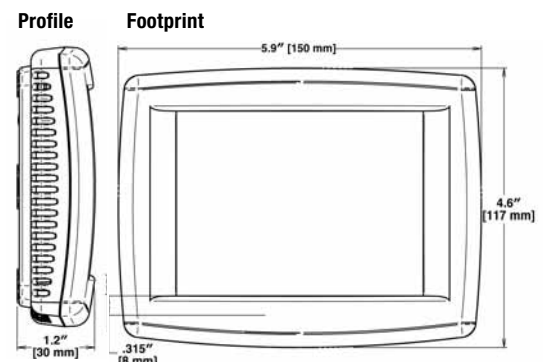
Humidifier change pad reminder

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 UHC-TST550CMMS

Communication is the Key.

Ruud is proud to introduce the 500-Series Thermostat as part of the most sophisticated and easy-to-use home comfort system available today. The Ruud *Comfort Control² SystemTM* will provide improved comfort, optimal energy efficiency, and enhanced reliability and performance. The *Comfort Control² SystemTM* 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 Ruud 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)

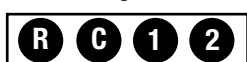
Communicating Systems

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

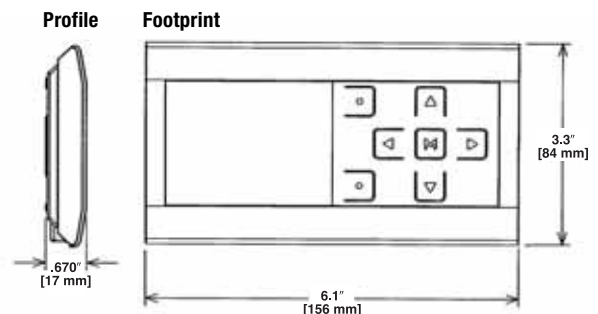
Filter change reminder

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

RUUD CONDENSER / AIR HANDLER					
SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1 Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UANL UAPM	RHLL RHSL RHKL RBHP	1 or 2	1	UHC-TST101GESS* UHC-TST103UNMS* UHC-TST201GESS* UHC-TST203UNMS* UHC-TST213UNMS* UHC-TST301GESS* UHC-TST302UNMS* UHC-TST303UNMS* UHC-TST304UNMS* UHC-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

RUUD CONDENSER / FURNACE 1-STAGE					
SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UANL UAPM	RGLN RGLT RGPN RGPT RGRA RGRC RGTA RGTC RGRB ROLA ROCA	1	1	UHC-TST101GESS* UHC-TST103UNMS* UHC-TST201GESS* UHC-TST203UNMS* UHC-TST211GESS UHC-TST213UNMS* UHC-TST301GESS* UHC-TST302UNMS* UHC-TST303UNMS* UHC-TST304UNMS* UHC-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

RUUD CONDENSER / FURNACE 2-STAGE					
SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UANL UAPM	RGLQ RGLE RGPQ RGRM RGRL RGPE RGRK RGTK RGTM	2	1	UHC-TST103UNMS* UHC-TST203UNMS* UHC-TST213UNMS** UHC-TST302UNMS* UHC-TST303UNMS* UHC-TST304UNMS* UHC-TST314UNMS	Non-Programmable 2H2C Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RUUD CONDENSER 2-STAGE / AIR HANDLER CONVENTIONALLY WIRED					
SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UARL	RBHM RHPL RHPN	2	2	UHC-TST103UNMS* UHC-TST203UNMS* UHC-TST213UNMS* UHC-TST302UNMS*	Non-Programmable 2H2C Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
UASL	RHPN RBHN RHPL			UHC-TST303UNMS* UHC-TST304UNMS* UHC-TST305UNMS* UHC-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

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

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UARL UASL	RGLE RGPE RGRM RGTM	2	2	UHC-TST203UNMS UHC-TST213UNMS* UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-TST314UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RUUD CONDENSER 2-STAGE / AIR HANDLER COMMUNICATING ONLY

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UARL	RHPL RHPN	2	2	UHC-TST501CMMS UHC-TST550CMMS	Communicating-Programmable 2H2C 4H/2C/GE/HP/DF
UASL	RHPN RHPL				

RUUD HEAT PUMP / AIR HANDLER

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UPNL UPQL	RHKA RHLA RHSA RBHP RHKL RHLL RHSL	2	1	UHC-TST102HPMS* UHC-TST103UNMS* UHC-TST202HPMS* UHC-TST203UNMS* UHC-TST213UNMS* UHC-TST302UNMS* UHC-TST303UNMS* UHC-TST304UNMS* UHC-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

RUUD HEAT PUMP / FURNACE 1-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 1-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UPNL UPQL	RGLN RGLS RGLT RGPN RGPT RGRA RGRC RGTA RGTC RGRB ROLA ROCA	Dual Fuel	1	UHC-TST302UNMS UHC-TST303UNMS UHC-TST314UNMS UHC-TST402DFMS UHC-TST422DFMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RUUD HEAT PUMP / FURNACE 2-STAGE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UPNL UPQL	RGLQ RGLE RGPQ RGPE RGRL RGRK RGTK	Dual Fuel	1	UHC-TST302UNMS UHC-TST303UNMS UHC-TST314UNMS UHC-TST402DFMS UHC-TST305UNMS UHC-TST422DFMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

Thermostat System Matchups

RUUD HEAT PUMP 2-STAGE / FURNACE 2-STAGE CONVENTIONALLY WIRED					
SYSTEM			THERMOSTAT SOLUTIONS		
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RGLE RGPE RGRM RGTM	Dual Fuel	2	UHC-TST302UNMS UHC-TST303UNMS UHC-TST314UNMS UHC-TST305UNMS UHC-TST402DFMS UHC-TST422DFMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RUUD HEAT PUMP 2-STAGE / AIR HANDLER CONVENTIONALLY WIRED					
SYSTEM			THERMOSTAT SOLUTIONS		
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RHPL	2	2	UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST305UNMS UHC-TST314UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

RUUD HEAT PUMP 2-STAGE / AIR HANDLER COMMUNICATION SYSTEM					
SYSTEM			THERMOSTAT SOLUTIONS		
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RHPL	4	2	UHC-TST501CMMS UHC-TST550CMMS	Communicating/Programmable 4H/2C/GE/HP/DF

RUUD HEAT PUMP 2-STAGE / FURNACE 2-STAGE WIRED					
SYSTEM			THERMOSTAT SOLUTIONS		
Heat Pump	Furnace 2-Stg.	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RGPE RGLE	Dual Fuel	2	UHC-TST302UNMS UHC-TST303UNMS UHC-TST314UNMS UHC-TST305UNMS UHC-TST402DFMS UHC-TST422DFMS	Communicating Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP/DH/DF

RUUD HEAT PUMP 2-STAGE / AIR HANDLER					
SYSTEM			THERMOSTAT SOLUTIONS		
Heat Pump	Air Handler	Stages		Thermostat Model	Description
		Heat	Cool		
UARL UASL	RGPE RGLE	2	2	UHC-TST501CMMS UHC-TST550CMMS	Communicating Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

Thermostat System Matchups

RUUD HEAT PUMP / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
UPNL UPQL	RGFE RGGE RGJF	Modulating	1	UHC-TST412MDMS	Programmable Mod/GE/DF

RUUD HEAT PUMP 2-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RGFE RGGE RGJF	Modulating	2	UHC-TST412MDMS	Programmable Mod/GE/DF

RUUD CONDENSER 1-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 1-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
UANL UAPM	RGFE RGGE RGJF	Modulating	1	UHC-TST412MDMS	Programmable Mod/GE/DF

RUUD CONDENSER 2-STAGE / MODULATING FURNACE

SYSTEM				THERMOSTAT SOLUTIONS	
Condenser 2-Stg.	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
UARL UASL	RGFE RGGE RGJF	Modulating	2	UHC-TST412MDMS	Programmable Mod/GE/DF

RUUD HEAT PUMP 2-STAGE / MODULATING FURNACE COMMUNICATING

SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Modulating Furnace	Stages		Thermostat Model	Description
		Heat	Cool		
UPRL	RGFE RGGE RGJF	Modulating	2	UHC-TST501CMMS UHC-TST550CMMS	Programmable Mod/GE/DF

RUUD CONDENSER 2-STAGE / MODULATING FURNACE COMMUNICATING

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

Thermostat System Matchups

RUUD PACKAGED GAS / ELECTRIC UNITS				
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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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

RUUD 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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST305UNMS UHC-TST314UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF

RUUD 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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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

RUJD PACKAGED GAS / ELECTRIC UNITS				
SYSTEM			THERMOSTAT SOLUTIONS	
UNIT WITHOUT ECONOMIZER	Heat Stages	Cool Stages	Thermostat Model	Description
RRNL-B024-B048 RRPL-B024-B048 RKNL-A036-A060 RKPL-A036-A060	1	1	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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
RKKL-A072	1	2	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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, 210, 240, 300	2	2	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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

Thermostat System Matchups

RUUD PACKAGED A/C WITH OPTIONAL ELECTRIC HEAT				
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	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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
RLKL-A072	1	2	UHC-TST103UNMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS	Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF
RLNL-B072, 085, 090, 102,120, 150, 210, 240, 300	1 or 2	2	UHC-TST303UNMS UHC-TST103UNMS UHC-TST203UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST305UNMS UHC-TST314UNMS	Programmable 3H2C/GE/HP/DH/DF Non-Programmable 2H2C/GE/HP Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF

RUUD 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	UHC-TST102HPMS UHC-TST103UNMS UHC-TST202HPMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	UHC-TST402DFMS	Programmable 2stg ht 2stg cl gas,oil,ele
RJNL-B090, B120	3	2	UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-TST314UNMS	Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP

Thermostat System Matchups

RUUD 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	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-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	UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST314UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RUUD 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	UHC-TST102HPMS UHC-TST103UNMS UHC-TST202HPMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-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

RUUD 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	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-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	UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST314UNMS	Programmable 2H2C/GE/HP Programmable 3H2C/GE/HP/DF Programmable 3H2C/GE/HP/DH/DF Programmable 3H2C/GE/HP
RUUD COMMERCIAL SPLIT HEAT PUMP AND AIR HANDLER WITH ELECTRIC HEAT					
SYSTEM				THERMOSTAT SOLUTIONS	
Heat Pump	Air Handler	Heat Stages	Cool Stages	Thermostat Model	Description
RPWL-090, -120	RHGM	2	1	UHC-TST102HPMS UHC-TST103UNMS UHC-TST202HPMS UHC-TST203UNMS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-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	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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	RGLS RGPS RGTS RGRS RGRT	1	1	UHC-TST101GESS UHC-TST103UNMS UHC-TST201GESS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST301GESS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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 15PJL	RBHP	1 or 2	1	UHC-TST102HPMS UHC-TST103UNMS UHC-TST202HPMS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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 15PJL	RGRS RGRT RGTS RGPS RGLS	1	1	UHC-TST102HPMS UHC-TST103UNMS UHC-TST202HPMS UHC-TST203UNMS UHC-TST211GESS UHC-TST213UNMS UHC-TST302UNMS UHC-TST303UNMS UHC-TST304UNMS UHC-TST305UNMS UHC-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.

**Ruud Heating,
Cooling and
Water Heating**

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



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