Prestige® 2-Wire IAQ Thermostat

THX9421R5021WW/U

The Prestige® IAQ thermostat is a 2 wire high definition color touch screen thermostat, 7 day programmable and selectable for residential or light commercial use. Controls up to 4-stages of heat and 2-stages of cool in a heat pump system and up to 3-stages of heat and 2-stages of cool in a conventional system.

- Control heating, cooling and IAQ equipment with only 2 wires at the thermostat. Heating, cooling and IAQ equipment wires to the Equipment Interface Module.
- Smart Schedule - programs in seconds for any lifestyle
- Patented interview based programming and installer setup.
- RedLINK™ wireless communication.
- Increase profit per job by including RedLINK™ accessories that provide comfort and convenience. RedLINK™ accessories include the RedLINK™ Internet Gateway, Portable Comfort Control (PCC), Wireless Outdoor Sensor, Wireless Indoor Sensor, Wireless Entry/Exit Remote, Wireless Vent and Filter Boost Remote, TrueSTEAM™ humidifier with Wireless Adapter and TrueZONE® zoning panel with Wireless Adapter.
- Selectable for residential and light commercial applications. Meets commercial code and is title 24 compliant.
- Light commercial - commercial language (occupied and unoccupied), schedule holidays and custom events, remote setback, economizer and time of day.
- Delta T Alerts and Diagnostics informs customers when their system is not performing as expected with instructions to contact the dealer. Provides a sense of security and greater comfort while generating repeat business.
- All Prestige® IAQ kits come standard with a return and discharge air temperature sensor to measure Delta T.
- Alerts and User Interactions Log - Keeps a searchable history of alerts and setting changes to the thermostat to determine if there is a system malfunction or if the issue was caused by user error. Saves time in troubleshooting and points the technician in the right direction.
- Performance Logs - Keeps a history of heating and cooling performance. The performance log includes Minimum and Maximum Delta T, Minimum and Maximum Discharge Temperature, Minimum and Maximum Return Temperature, Minimum and Maximum Indoor Temperature/Humidity, Minimum and Maximum Outdoor Temperature/Humidity and Run Time. Quickly determine if the system is performing as expected and reduces service time on the job.

- Customizable Service Reminders allow dealers to remind their customers when it's time to call for service, when their warranty is expiring and to provide customized alerts.
- USB port for transferring Installer Setup, Customizable Reminders, Custom Events and Holidays to multiple thermostats.
- USB port for adding the dealer's full color business logo on the screen.
- 3 assignable outputs to control humidification, dehumidification, ventilation and a stage of heating or cooling.
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak.
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals.
- Tri-lingual - English, French and Spanish display options.
- Precise temperature control (+/- 1°F) for reliable and consistent temperature.
- Multiple staging options to provide comfort or energy savings.

Applications: Up to 4 Heat/2 Cool Heat Pumps; Up to 3 Heat/2 Cool Conventional Systems
Display Size: 8.06 sq in.
Terminal Designations: R, °C then RedLINK to Equipment Interface Module
Changeover: Auto or Manual
Stages: Up to 4 Heat/2 Cool Heat Pumps; Up to 3 Heat/2 Cool Conventional Systems, See Equipment Interface Module
Programmability: 7-Day Multiple Day Programming or Non-Programmable
Switch Positions (System): HEAT-OFF-COOL-AUTO-EM.HEAT
Switch Positions (Fan): AUTO-ON-CIRC-FOLLOW SCHEDULE
Setting Temperature Range: Heat: 40°F to 90°F; Cool 50°F to 99°F (Heat: 4.5°C to 32.0°C; Cool: 10°C to 37.0°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Humidification Setting Range: Cooling: 40 to 80% RH. Heating: 10 to 60% RH.
Dehumidification Setting Range: 40 to 80% RH.
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Hardwired
Supply Voltage: 18 to 30 Vac
Frequency: 50 Hz; 60 Hz
Electrical Connections: Screw terminals
Electrical Ratings: 18 to 30 Vac
Dimensions: 3 1/2 in. High, 4 1/2 in. Wide, 7/8 in. Deep (88 mm. High, 115 mm. Wide, 22 mm. Deep)
External Sensors Available: N/A
Comments: Tri-Lingual Display (selectable for English, French or Spanish)

REDLINK™
Wireless Technology

Accessories:
THP2400A1027B/U – Black Coverplate assembly for use with the Prestige® 2-Wire IAQ Thermostat
YTHM5421R1010/U – Prestige® 2-Wire IAQ Equipment Interface Module Kit with 2 Duct Sensors
THM5421R1021/U – Prestige® 2-Wire IAQ Equipment Interface Module
THM6000R1002/U – RedLINK Internet Gateway
THM4000R1000/U – Wireless Adapter for use with RedLINK™ enabled thermostats and TrueZONE™ system
REM5000R1001/U – Portable Comfort Control
REM1000R1003/U – RedLINK Wireless Entry/Exit Remote
HVC20A1000/U – Wireless Vent and Filter Boost Remote
C7089R1013/U – Senses outdoor temperature and humidity
C7189R1004/U – Wireless Indoor Air Sensor. RedLINK™ enabled. Senses indoor temperature and humidity

Material Number	Color	Includes	Used With
THX9421R5021WW/U	Front: White, Side: White		THM5421R1021 Equipment Interface Module and RedLINK™ accessories
YTHX9421R5085WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module and 2 Duct Sensors	RedLINK™ accessories
YTHX9421R5101WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module, C7089R1013 Wireless Outdoor Sensor and 2 Duct Sensors	RedLINK™ accessories
YTHX9421R5127WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module, THM6000R1002 RedLINK™ Internet Gateway and 2 Duct Sensors	RedLINK™ accessories

Programmable Thermostats

VisionPRO® 8000 with RedLINK™ technology

VisionPRO® 8000 with RedLINK™ technology is a touchscreen thermostat, 7 day programmable and selectable for residential or light commercial use. Controls up to 3-stages of heat and 2-stages of cool in a heat pump system and up to 2-stages of heat and 2-stages of cool in a conventional system.

- Thermostat works standalone or with the THM5421R1021 Equipment Interface Module or with the TrueZONE Wireless Adapter.
- Smart Schedule - programs in seconds for any lifestyle.
- Patented interview based programming and installer setup.
- RedLINK™ wireless communication.
- Increase profit per job by including RedLINK™ accessories that provide comfort and convenience. RedLINK™ accessories include the RedLINK™ Internet Gateway, Portable Comfort Control (PCC), Wireless Outdoor Sensor, Wireless Indoor Sensor, Wireless Entry/ Exit Remote, Wireless Vent and Filter Boost Remote, TrueSTEAM™ humidifier with Wireless Adapter and TrueZONE® zoning panel with Wireless Adapter.
- Selectable for residential and light commercial applications. Meets commercial code and is title 24 compliant.
- Light commercial - commercial language (occupied and unoccupied), schedule holidays and custom events, remote setback, economizer and time of day. Remote Setback requires the THM5421R1021 Equipment Interface Module.

Applications: Up to 1 Heat/1 Cool heat pump or up to 1 Heat/1 Cool conventional
Display Size: 10 sq in.
Color: Arctic White
Changeover: Auto or Manual
Stages: Up to 4 Heat / 2 Cool Heat Pump or Up to 3 Heat / 2 Cool Conventional when used with the Equipment Interface Module.
Programmability: 7-Day Multiple Day Programming or Non-Programmable
Switch Positions (System): HEAT-OFF-COOL-AUTO
Switch Positions (Fan): AUTO-ON-CIRC-FOLLOW SCHEDULE
Setting Temperature Range: Heat: 40°F to 90°F; Cool 50°F to 99°F (Heat: 4.5°C to 32.0°C; Cool: 10°C to 37.0°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Battery or Hardwired (must be battery powered when used on a millivolt system)
Supply Voltage: 18 to 30 Vac
Frequency: 50 Hz; 60 Hz
Electrical Connections: Screw terminals
Electrical Ratings: 18 to 30 Vac or 750 mV
Dimensions: 4 5/8 in. High, 4 15/16 in. Wide, 1 1/8 in. Deep (118 mm. High, 126 mm. Wide, 29 mm. Deep)
Used With: Works standalone or with optional THM5421R1021 Equipment Interface Module and RedLINK™ accessories

- Plain language setup, no manual needed.
- Alerts and User Interactions Log - Keeps a searchable history of alerts and setting changes to the thermostat to determine if there is a system malfunction or if the issue was caused by a user error. Saves time in troubleshooting and points the technician in the right direction. The Alert and User Interaction Logs are viewable on a computer after you download them from the thermostat to a microSD card.
- Customizable Service Reminders allow dealers to remind their customers when it's time to call for service, when their warranty is expiring and to provide customized alerts.
- MicroSD port for copying the Installer Setup, Customizable Reminders, Custom Events and Holidays to multiple thermostats.
- MicroSD port for adding the dealer's contact information on the screen.
- 1 assignable output on the TH8321 model to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- 3 assignable outputs on the Equipment Interface Module to control humidification, dehumidification, ventilation or a stage of heating/cooling. The TH8110 and TH8320 models require the use of a Wireless Indoor Sensor to control humidification and dehumidification.
- 1 assignable input can be used with a wired outdoor, indoor or discharge sensor.
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak.
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals.
- Dual powered - battery or hardwired (C wire).
- Precise temperature control (+/- 1°F) for reliable and consistent temperature.
- Multiple staging options to provide comfort or energy savings.

Wireless Technology

Accessories:
YTHM5421R1010/U – Prestige® 2-Wire IAQ Equipment Interface Module Kit with 2 Duct Sensors
THM5421R1021/U – Prestige® 2-Wire IAQ Equipment Interface Module
THM6000R1002/U – RedLINK Internet Gateway
THM4000R1000/U – Wireless Adapter for use with RedLINK™ enabled thermostats and TrueZONE™ system
REM1000R1003/U – RedLINK Wireless Entry/Exit Remote
HVC20A1000/U – Wireless Vent and Filter Boost Remote
C7089R1013/U – Senses outdoor temperature and humidity
C7189R1004/U – Wireless Indoor Air Sensor. RedLINK™ enabled. Senses indoor temperature and humidity
THP2400A1019/U – Coverplate assembly for use with the RedLINK™ VisionPRO®
REM5000R1001/U – Portable Comfort Control

Material Number	Terminal Designations	Stages (when used standalone)	Humidification Setting Range	Dehumidification Setting Range	Includes
TH8110R1008/U	R, RC, C, W-O/B, Y, G, K, S1 S1	Up to 1 Heat / 1 Cool Heat Pump or Up to 1 Heat / 1 Cool Conventional			VisionPRO® 8000 thermostat
TH8320R1003/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional			VisionPRO® 8000 thermostat
TH8321R1001/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	VisionPRO® 8000 thermostat
YTH8321R1002/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	TH8321R1001 VisionPRO® 8000 thermostat and THM6000R1002 RedLINK™ Internet Gateway

Programmable Thermostats

Z-Wave Touch Screen Programmable Thermostat

Honeywell's VisionPRO Z-Wave offers you top-of-the-line features like touchscreen interation, a real-time clock, and a large, easy-to-read backlit display to easily integrate comfort control into your automated home. You'll enjoy the convenience, energy savings and consistent comfort for years to come.

Color: Premier White®
Changeover: Auto or Manual
Electrical Ratings: 18 to 30 Vac

Material Number	Programmability	Terminal Designations
YTH8320ZW1007/U	Universal Programming from 7 Day to Non-Programmable	R, RC, C, W-O/B, W2-E/Aux, Y, Y2, G, L, K

FocusPRO® 6000 Wireless Thermostat

Honeywell's FocusPRO® 6000 digital thermostat offers the perfect blend of features, performance, energy savings and value. With the largest backlit screen in its class, the FocusPRO 6000 prominently displays both room and set temperature.

- Selectable to 5-1-1 (Weekdays, Saturday, Sunday) or 5-2 (Weekdays, Weekend) programmable thermostat.
- Large, clear, backlit display - easy to read in various lighting conditions.
- Precise comfort control (+/-1°F) - maintains consistent comfort to the highest level of accuracy.
- Simplified programming and operation.
- Easy change battery door - flip out door allows for easy battery replacement without removing or disassembling the thermostat.
- Built in instructions - simple, pull out instruction manual.
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time.
- Temperature range stops - prevents user from setting the temperature too high or too low.

Applications: Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
Mounting: Horizontal
Color: Premier White®
Changeover: Auto/Manual Selectable
Programmability: 5-1-1 Day Program or 5-2 Day Program
Setting Temperature Range: Heat: 40°F to 90°F; Cool: 50°F to 99°F (Heat: 4.5°C to 32°C; Cool: 10°C to 37°C)
Differential Temperature: ± 1°F (±0.5°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Battery
Dimensions: 3 9/16 in. High X 5 13/16 in. Wide X 1 1/2 in. Deep (91 mm High X 147 mm Wide X 38 mm Deep)
Sensor Element: Thermistor
Comments: Thermostat is also available in kits for zoned and non-zoned systems

REDLINK
Wireless Technology

Accessories:
REM5000R1001 – Portable Comfort Control uses RedLINK™ to sense and control room temperature anywhere in the home. Works in both zoned and non-zoned applications.
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
C7735A1000 – Mount on return duct for backup control of non-zoned RedLINK™ enabled wireless systems. Works with the EIM to maintain safe indoor temperatures if power is lost at the wireless thermostat.
50002883-001 – FocusPRO 5000/6000 and PRO 3000/4000 Cover Plate Assembly
50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

Material Number	Switch Positions (System)	Switch Positions (Fan)	Stages	Parts Needed for Operation (not included) - TrueZONE™ System	Parts Needed for Operation (not included) - Non-Zoned System
TH6320R1004/U	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	HZ432 or HZ322 TrueZONE™ panel; THM4000R1000 Wireless Adapter	THM5320R1000 Equipment Interface Module

Wireless Thermostat Kits

Everything you need to relocate or upgrade with a non-programmable thermostat without running new wires. Kit options include wireless outdoor sensor, RedLINK Internet Gateway for remote access, or wireless adapters for working with TrueZONE panels.

- WIRELESS FOCUSPRO® THERMOSTAT: Same great features of the FocusPRO® thermostat - now wireless. Installs in minutes. Displays outdoor temperature and humidity. 1 year battery life. 2 month low battery warning. Dual Fuel enabled.
- EQUIPMENT INTERFACE MODULE (EIM): All HVAC equipment is wired to the module. Module receives communication from the wireless devices.
- RETURN AIR SENSOR: Works with the Equipment Interface Module to maintain safe indoor temperatures if power is lost at the wireless thermostat. Maintains 62°F for heating and 82°F for cooling.
- REDLINK™ WIRELESS TECHNOLOGY: Powered by RedLINK™ reliability. No interference with other wireless devices in the home.

Applications: Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
Changeover: Auto/Manual Selectable
Stages: Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional
Switch Positions (System): HEAT-OFF-COOL-AUTO-EM.HEAT
Switch Positions (Fan): AUTO-ON
Electrical Ratings: Equipment Interface Module – 18 to 30 Vac, 50 Hz; 60 Hz
Cool Current: 1.0 A running
Heat Current: 1.0 A running
Fan Current: 0.6 A running

REDLINK™
Wireless Technology

Accessories:
50002883-001 – FOCUSPRO® 5000/6000 and PRO 3000/4000 and Horizontal PRO 1000/2000 Cover Plate Assembly
50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
REM5000R1001 – Use the Portable Comfort Control anywhere in the home to experience a new level of comfort and convenience.

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

Material Number	Description	Terminal Designations	Programmability	Power Method	Includes
YTH5320R1000/U	Wireless Thermostat Kit. RedLINK™ Enabled. Up to 3H/2C Heat Pump or Up to 2H/2C Conventional. Kit includes Wireless FocusPRO® Non-Programmable Thermostat, Equipment Interface Module and Return Air Sensor.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS		Thermostat-Battery	C7735A1000 Return Air Sensor; THM5320R1000 Equipment Interface Module; TH5320R1002 Wireless FocusPRO® Non-Programmable Thermostat
YTH6320R1001/U	Wireless Thermostat Kit. RedLINK™ Enabled. Up to 3H/2C Heat Pump or Up to 2H/2C Conventional. Kit includes Wireless FocusPRO® 5-1-1 Programmable Thermostat, Equipment Interface Module and Return Air Sensor.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS	5-1-1 Day Program or 5-2 Day Program	Thermostat-Battery	C7735A1000 Return Air Sensor; THM5320R1000 Equipment Interface Module; TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat
YTH6320R1114/U	Everything you need to relocate thermostat or upgrade equipment without running new wires.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS	5-1-1 Day Program or 5-2 Day Program	Battery (Thermostat)	C7735A1000 Return Air Sensor|THM5320R1000 Equipment Interface Module|TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat|THM6000R1002 RedLINK Internet Gateway

Programmable Thermostats

THM5320 Equipment Interface Module

Easily relocate thermostat or upgrade equipment without running new wires using this module and a wireless FocusPRO® thermostat.
- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Works with TH6320R1004 or TH5320R1002 Wireless FocusPRO® thermostats
- Input for Return Air Sensor
- Quick-connect terminal blocks
- LEDs for power and system status

Applications: Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
Color: Gray
Operating Temperature Range: -40°F to 165°F (-40°C to 73.9°C)
Operating Humidity Range (% RH): 5 to 95% RH, non-condensing
Supply Voltage: 18 to 30 Vac
Electrical Ratings: 18 to 30 Vac, 50/60 Hz
Dimensions: 8 1/8 in. high x 8 in. wide x 1 7/8 in. deep (206 mm high x 203 mm wide x 47 mm deep)
Cool Current: 1.0 A running
Heat Current: 1.0 A running
Fan Current: 0.6 A running

Accessories:
C7735A1000 – Mount on return duct for backup control of non-zoned RedLINK™ enabled wireless systems. Works with the EIM to maintain safe indoor temperatures if power is lost at the wireless thermostat.
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
REM5000R1001 – Portable Comfort Control uses RedLINK™ to sense and control room temperature anywhere in the home. Works in both zoned and non-zoned applications.
THM6000R1002 – RedLINK Internet Gateway

Material Number	Terminal Designations	Stages	Description	Part Needed for Operation (not included)	Comments
THM5320R1000/U	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS	Up to 3 Heat/2 Cool Heat Pump or Up to 2 Heat/2 Cool Conventional	RF Equipment Interface Module. Controls up to 3 heat / 2 cool heat pump systems or up to 2 heat / 2 cool conventional systems when used with the Wireless FocusPRO® Thermostat. RedLINK™ Enabled.	TH6320R1004 or TH5320R1002 Wireless FocusPRO® Thermostat	Equipment Interface Module is also available in kits

Programmable WiFi FocusPRO®

Honeywell's Wi-Fi FocusPRO® 6000 allows remote access to the thermostat through a computer, tablet, or smartphone with Honeywell's Total Connect Comfort Service.
- Homeowners can monitor and control their home's comfort settings from anywhere at anytime.
- Connect using a regular computer, tablet or smartphone.
- Automatic software updates through Wi-Fi.
- Selectable to 7-Day or Non-programmable thermostat.
- Large, clear, backlit display - easy to read in various lighting conditions.
- Precise comfort control (±1°F) - maintains consistent comfort to the highest level of accuracy.
- Simplified programming and operation.
- Built in instructions - simple, pull out instruction manual.
- Adaptive Intelligent Recovery™ – ensures programmed temperature is reached by programmed time.
- Temperature range stops - prevents user from setting the temperature too high or too low.

Applications: Up to 3 Heat/2 Cool Heat Pumps; Up to 2 Heat/2 Cool Conventional Systems
Display Size: Large display size 5.09 sq. in.
Mounting: Horizontal
Color: Premier White®
Changeover: Auto/Manual Selectable
Programmability: 7-Day Program
Differential Temperature: ± 1°F (±0.5°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Hardwired
Supply Voltage: 20 to 30 Vac
Frequency: 50 Hz; 60 Hz

Electrical Ratings: 20 to 30 Vac
Dimensions: 3 9/16 in. High X 5 13/16 in. Wide X 1 1/2 in. Deep (91 mm High X 147 mm Wide X 38 mm Deep)
Sensor Element: Thermistor
Cool Current: Y = 0.02 A to 1.0 A running, Y2 = 0.02 A to 1.0 A running
Heat Current: W2 (AUX/E) = 0.02 A to 0.5 A running; W = 0.02 A to 1.0 A running
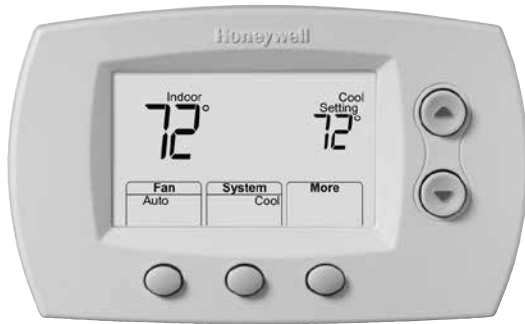**Comments:** Large display size 5.09 sq. in.

Accessories:
THP9045A1023/U – WireSaver

Material Number	Switch Positions (System)	Switch Positions (Fan)	Terminal Designations	Stages	Setting Temperature Range
TH6320WF1005/U	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON	Rc, R, W (O/B), W2 (AUX/E), Y, Y2, G, C, K	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Heat: 40°F to 90°F; Cool: 50°F to 99°F (Heat: 4.5°C to 32°C; Cool: 10°C to 37°C)

Non-Programmable Thermostats

FocusPRO® 5000 Wireless Thermostat

Honeywell's FocusPRO® 5000 digital thermostat offers the perfect blend of features, performance, energy savings and value. With the largest backlit screen in its class, the FocusPRO 5000 prominently displays both room and set temperature.

- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Works with compatible RedLINK™ enabled devices
- Same great features of the FocusPRO thermostat now wireless
- Installs in minutes
- Can display outdoor temperature and humidity
- 1 year battery life
- 2 month low battery warning
- Dual Fuel enabled – requires THM5320R1000 Equipment Interface Module and C7089R1013 Wireless Outdoor Sensor (sold separately)

Applications: Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
Mounting: Horizontal
Color: Premier White®
Changeover: Auto/Manual Selectable
Setting Temperature Range: Heat: 40°F to 90°F; Cool: 50°F to 99°F (Heat: 4.5°C to 32°C; Cool: 10°C to 37°C)
Differential Temperature: ± 1°F (±0.5°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Battery
Dimensions: 3 9/16 in. High X 5 13/16 in. Wide X 1 1/2 in. Deep (91 mm High X 147 mm Wide X 38 mm Deep)
Sensor Element: Thermistor
Comments: Thermostat is also available in kits for zoned and non-zoned systems

Accessories:
REM5000R1001 – Portable Comfort Control uses RedLINK™ to sense and control room temperature anywhere in the home. Works in both zoned and non-zoned applications.
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
C7735A1000 – Mount on return duct for backup control of non-zoned RedLINK™ enabled wireless systems. Works with the EIM to maintain safe indoor temperatures if power is lost at the wireless thermostat.
50002883-001 – FocusPRO 5000/6000 and PRO 3000/4000 and Horizontal PRO 1000/2000 Cover Plate Assembly
50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

Material Number	Switch Positions (System)	Switch Positions (Fan)	Stages	Parts Needed for Operation (not included) - TrueZONE™ System	Parts Needed for Operation (not included) - Non-Zoned System
TH5320R1002/U	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	HZ432 or HZ322 TrueZONE™ panel; THM4000R1000 Wireless Adapter	THM5320R1000 Equipment Interface Module

Wireless Thermostat Kits

Everything you need to relocate or upgrade with a non-programmable thermostat without running new wires. Kit options include wireless outdoor sensor, RedLINK Internet Gateway for remote access, or wireless adapters for working with TrueZONE panels.

- WIRELESS FOCUSPRO® THERMOSTAT: Same great features of the FocusPRO® thermostat - now wireless. Installs in minutes. Displays outdoor temperature and humidity. 1 year battery life. 2 month low battery warning. Dual Fuel enabled.
- EQUIPMENT INTERFACE MODULE (EIM): All HVAC equipment is wired to the module. Module receives communication from the wireless devices.
- RETURN AIR SENSOR: Works with the Equipment Interface Module to maintain safe indoor temperatures if power is lost at the wireless thermostat. Maintains 62°F for heating and 82°F for cooling.
- REDLINK™ WIRELESS TECHNOLOGY: Powered by RedLINK™ reliability. No interference with other wireless devices in the home.

Applications: Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
Changeover: Auto/Manual Selectable
Stages: Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional
Switch Positions (System): HEAT-OFF-COOL-AUTO-EM.HEAT
Switch Positions (Fan): AUTO-ON
Electrical Ratings: Equipment Interface Module – 18 to 30 Vac, 50 Hz; 60 Hz
Cool Current: 1.0 A running
Heat Current: 1.0 A running
Fan Current: 0.6 A running

REDLINK™
Wireless Technology

Accessories:
50002883-001 – FOCUSPRO® 5000/6000 and PRO 3000/4000 and Horizontal PRO 1000/2000 Cover Plate Assembly
50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
REM5000R1001 – Use the Portable Comfort Control anywhere in the home to experience a new level of comfort and convenience.

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

Material Number	Description	Terminal Designations	Programmability	Power Method	Includes
YTH5320R1000/U	Wireless Thermostat Kit. RedLINK™ Enabled. Up to 3H/2C Heat Pump or Up to 2H/2C Conventional. Kit includes Wireless FocusPRO® Non-Programmable Thermostat, Equipment Interface Module and Return Air Sensor.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS		Thermostat-Battery	C7735A1000 Return Air Sensor; THM5320R1000 Equipment Interface Module; TH5320R1002 Wireless FocusPRO® Non-Programmable Thermostat
YTH6320R1001/U	Wireless Thermostat Kit. RedLINK™ Enabled. Up to 3H/2C Heat Pump or Up to 2H/2C Conventional. Kit includes Wireless FocusPRO® 5-1-1 Programmable Thermostat, Equipment Interface Module and Return Air Sensor.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS	5-1-1 Day Program or 5-2 Day Program	Thermostat-Battery	C7735A1000 Return Air Sensor; THM5320R1000 Equipment Interface Module; TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat
YTH6320R1114/U	Everything you need to relocate thermostat or upgrade equipment without running new wires.	C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS	5-1-1 Day Program or 5-2 Day Program	Battery (Thermostat)	C7735A1000 Return Air Sensor|THM5320R1000 Equipment Interface Module|TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat|THM6000R1002 RedLINK Internet Gateway

Wireless Zoning Adapter Kits

Everything you need to relocate or upgrade with a non-programmable thermostat without running new wires. Kit options include wireless outdoor sensor, RedLINK Internet Gateway for remote access, or wireless adapters for working with TrueZONE panels.

- WIRELESS FOCUSPRO® THERMOSTAT: Same great features of the FocusPRO® thermostat - now wireless. Installs in minutes. Displays outdoor temperature and humidity. 1 year battery life. 2 month low battery warning. Dual Fuel enabled.
- EQUIPMENT INTERFACE MODULE (EIM): All HVAC equipment is wired to the module. Module receives communication from the wireless devices.
- RETURN AIR SENSOR: Works with the Equipment Interface Module to maintain safe indoor temperatures if power is lost at the wireless thermostat. Maintains 62°F for heating and 82°F for cooling.
- REDLINK™ WIRELESS TECHNOLOGY: Powered by RedLINK™ reliability. No interference with other wireless devices in the home.

C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.

50002883-001 – FocusPRO 5000/6000 and PRO 3000/4000 Cover Plate Assembly

50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)

Applications: Heat Pump Systems; Forced warm air
Changeover: Auto/Manual Selectable
Power Method: Thermostat – Battery

Accessories:
REM5000R1001 – Portable Comfort Control uses RedLINK™ to sense and control room temperature anywhere in the home. Works in both zoned and non-zoned applications.

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

Material Number	Programmability	Switch Positions (System)	Switch Positions (Fan)	Includes
YTH5320R1025/U		HEAT-OFF-COOL-AUTO-EM. HEAT	AUTO-ON	TH5320R1002 Wireless FocusPRO® Non-Programmable Thermostat; THM4000R1000 Wireless Adapter
YTH6320R1023/U	5-1-1 Day Program or 5-2 Day Program	HEAT-OFF-COOL-AUTO-EM. HEAT	AUTO-ON	TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat; THM4000R1000 Wireless Adapter

Wireless Thermostat Kits with Outdoor Sensor

Everything you need to relocate or upgrade with a programmable thermostat without running new wires. Kit options include wireless outdoor sensors, RedLINK Internet Gateway for remote access, or wireless adapters for working with TrueZONE panels.

- WIRELESS FOCUSPRO® THERMOSTAT: Same great features of the FocusPRO® thermostat - now wireless. Installs in minutes. Displays outdoor temperature and humidity. 1 year battery life. 2 month low battery warning. Dual Fuel enabled.
- EQUIPMENT INTERFACE MODULE (EIM): All HVAC equipment is wired to the module. Module receives communication from the wireless devices.
- RETURN AIR SENSOR: Works with the Equipment Interface Module to maintain safe indoor temperatures if power is lost at the wireless thermostat. Maintains 62°F for heating and 82°F for cooling.
- REDLINK™ WIRELESS TECHNOLOGY: Powered by RedLINK™ reliability. No interference with other wireless devices in the home.

Terminal Designations: C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS
Changeover: Auto/Manual Selectable
Programmability: 5-1-1 Day Program or 5-2 Day Program
Power Method: Battery (Thermostat)
Cool Current: 1.0 A running
Heat Current: 1.0 A running
Fan Current: 0.6 A running

Accessories:
50002883-001 – FOCUSPRO® 5000/6000 and PRO 3000/4000 Cover Plate Assembly
50007298-001 – 12 pack of medium coverplates (5 in. x 6 7/8 in.)
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
REM5000R1001 – Use the Portable Comfort Control anywhere in the home to experience a new level of comfort and convenience.

Replacement Parts:
50007072-001 – Replacement Battery Holder for FocusPRO TH5220, TH5320, TH6110, TH6220, and TH6320 Thermostat

REDLINK
Wireless Technology

Material Number	Applications	Electrical Ratings	Switch Positions (System)	Switch Positions (Fan)	Stages	Includes
YTH6320R1122/U	Gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity	Equipment Interface Module – 18 to 30 Vac, 50 Hz; 60 Hz	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	C7735A1000 Return Air Sensor|THM5320R1000 Equipment Interface Module|TH6320R1004 Wireless FocusPRO® 5-1-1 Programmable Thermostat|THM6000R1002 RedLINK Internet Gateway|C7089R1013 Wireless Outdoor Sensor

RedLINK™ Accessories

RedLINK Internet Gateway

The RedLINK™ Internet Gateway provides remote access to any RedLINK™ enabled thermostat through the internet, smartphone or tablet.
- RedLINK™ enabled to communicate with compatible wireless devices.
- Control any RedLINK™ enabled thermostat.
- 3 foot ethernet cable included.
- Simple installation to home or business router.
- Easily change system modes and indoor temperature through the web portal or mobile app.
- Multiple HOLD options allows modification of schedule as needed.
- High/Low temperature and humidity messaging alerts the user when the indoor conditions are too high or too low.
- Will accept a maximum of 4 thermostats on one single Gateway.

Applications: Internet control of RedLINK thermostats; Up to 4 Heat/2 Cool Heat Pumps
Color: Black
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: A 5 Vdc, 1000 mA power adapter

Electrical Connections: 24 Volt Plug In Transformer
Electrical Ratings: 20 to 30 Vac
Dimensions: Unit: 5 in. tall x 5 1/2 in. wide x 1 3/8 in. deep; Foot base: 6 in. x 2 1/2 in. (Unit: 127 mm tall x 140 mm wide x 35 mm deep; Foot base: 152 mm x 64 mm)

Material Number	Description	Used With	Includes
THM6000R1002/U	RedLINK Internet Gateway	RedLINK™ enabled thermostats and accessories	3 Foot Ethernet Cable and Plug in Power Adapter

C7089 Wireless Outdoor Sensor

Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Reliable performance in all climates
- Installs in minutes
- Up to 5 year battery life
- 2 month low battery warning
- Battery warning displayed on RedLINK™ enabled thermostats
- Includes 2 AA Lithium batteries and mounting hardware

Applications: Outdoor Sensor
Mounting: Vertical mounting with supplied bracket and mounting hardware
Color: Gray
Operating Temperature Range: -40°F to 140°F (-40°C to +60°C)
Operating Humidity Range (% RH): 0 to 100% RH, condensing

Power Method: Battery
Dimensions: (with mounting bracket) 5 in. high x 3 1/2 in. wide x 1 11/16 in. deep ([with mounting bracket] 127 mm high x 89 mm wide x 43 mm deep)
Sensor Element: Thermistor

Material Number	Comments	Used With	Includes
C7089R1013/U	Wireless Outdoor Sensor is also available in kits	RedLINK™ enabled thermostats and accessories	2 AA Lithium Batteries and mounting hardware

Electric Heat Thermostats

EConnect™ Wireless Line Volt Thermostat

- Wireless Installation - eliminates opening walls for system or control upgrades
- Precise Temperature Control - on the wall where it belongs, for optimal sensing and comfort
- Electronic Programmable Thermostat - enables energy savings of up to 33%
- User-friendly, Plain-language Interface - easily adjust your comfort settings
- Compatible Wireless Accessories - for added comfort and convenience
- Connect up to 8 EIM's per line volt thermostat

Applications: Electric Heating; Baseboard heater; Convector or Fan-forced Heater
Display Size: Thermostat 4.53 sq. in.
Mounting: Vertical
Color: Relay: Grey; Thermostat: White; Antenna: White or Light Almond
Programmability: 5-2 Day Program; 7 Day Program
Setting Temperature Range: Thermostat 41°F - 86°F (5°C - 30°C)
Differential Temperature: 1°F (0.5°C)
Operating Temperature Range: Thermostat: 32°F - 122°F; EIM: -4°F - 140°F (Thermostat: 0°C - 50°C; EIM: -20°C - 60°C)
Ambient Temperature Range: 32°F to 104°F (0°C to 40°C)
Operating Humidity Range (% RH): Thermostat: 5 to 90% RH, non-condensing; EIM: 5 to 95% RH, non-condensing
Power Method: Thermostat: Battery; EIM: Hardwired
Supply Voltage: 100 to 240 Vac
Frequency: 50 Hz; 60 Hz
Electrical Connections: 6 in. (150 mm) tinned copper lead wires
Electrical Ratings: Minimum Load: 0.4 A (resistive only) 100 W @ 240 Vac, 50 W @ 120 Vac; Maximum Load: 12.5 A (resistive only), 3000 W @ 240 Vac, 1500 W @ 120 Vac

Dimensions: Thermostat: 5.13 in. high x 3.22 in. wide x 1.14 in. Deep; Relay: 3.03 in. high x 2.49 in. wide x 1.28 in. Deep; Antenna: 2.89 in. high x 2.63 in. wide x 1.16 in. Deep (Thermostat: 130 mm high x 82 mm wide x 29 mm Deep; Relay: 73 mm high x 63 mm wide x 29 mm Deep; Antenna: 71 mm high x 62 mm wide x 33 mm Deep)
Sensor Element: Thermistor
Switch Type: Relay
Switching Action: SPST
External Sensors Available: Outdoor – C7089R1013, optional
Approvals, NEMA Standard: Energy Aware
Approvals, FCC: Approved
Approvals, Underwriters Laboratories Inc.: Approved
Comments: For French Only User interface, use YTA7210-AR-SPK. For English User Interface, use Honeywell YTL9160AR1000

Accessories:
C7089R1013 – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
REM5000R1001 – Portable Comfort Control uses RedLINK™ to sense and control room temperature anywhere in the home. Works in both zoned and non-zoned applications.
THM6000R1002 – RedLINK Internet Gateway

Material Number	Description	Includes
YTA7210-AR-SPK/U	Aube logo Wireless Programmable/Non-programmable Line Volt Thermostat kit. RedLINK™ Enabled. Up to 12.5 A. Kit includes Wireless EConnect™ 7-Day / 5-2 Programmable Thermostat and Electrical Heat Equipment Interface Module. French Interface.	ATM100-SPK Equipment Interface Module
YTL9160AR1000/U	Honeywell logo Wireless Programmable/Non-programmable Line Volt Thermostat kit. RedLINK™ Enabled. Up to 12.5 A. Kit includes Wireless EConnect™ 7-Day / 5-2 Programmable Thermostat and Electrical Heat Equipment Interface Module. English Interface.	TLM1110R1000 Equipment Interface Module

Material Number	Description	Used With	Includes
ATM100-SPK/U	Aube logo EConnect™ Wireless Electrical Heat Equipment Interface Module. For Baseboards, convectors and fan-forced heaters up to 12.5 A.	YTA7210-AR-SPK EConnect™ thermostat kit	Aube Electrical Heat Equipment Interface, white and light almond antenna covers
TLM1110R1000/U	Honeywell logo RedLINK™ Enabled Electrical Heat Equipment Interface Module. For Baseboards, convectors and fan-forced heaters up to 12.5 A.	YTL9160AR1000 EConnect™ thermostat kit	Honeywell Electrical Heat Equipment Interface, white and light almond antenna covers

L7224U Oil Electronic Aquastat Controller

Universally compatible and easy to install the L7224U allows for quick diagnostics updates through an easy-to-read LED display enhanced with a system of flashing lights. It's like an express checkout service for every installation. For quality circulator, oil burner and boiler control for today's systems and tomorrow's, the L7224U Aquastat is a state-of-the-art solution. Make the switch from electromechanical to electronic with the universally compatible L7224U.

- Complies with 2012 Department of Energy Standards
- Diagnostic updates through easy-to-read LED displays
- ± 2°F accuracy and faster response times
- Adjustable high- and low-limit differential
- Outdoor reset functionality available with W8735S1000 and W8735Y1000
- Provides multizone control
- Thermowell horizontal or vertical and flush mounting
- EnviraCOM™ communications enabled
- Compatible with W8735S3000 Alarm Module

Voltage: 120 Vac
Power Consumption: 7 VA
Frequency: 60 Hz
Temperature Range: -30°F to 150°F (-34°C to 66°C)
Operating Temperature Range:
   High Limit – 130°F to 240°F (54°C to 116°C);
   Low Limit – 110°F to 220°F (43°C to 104°C)
Dimensions: 7 1/8 in. high x 4 1/4 in. wide x 2 5/8 in. deep (181 mm high x 109 mm wide x 67 mm deep)
Operating Humidity Range (% RH): 0 to 95% RH, non-condensing
Approvals, Underwriters Laboratories Inc.: Recognized

Accessories:
120650/U – Heat Conductive Grease 1/2 oz.
121371AA/U – Well clamp assembly with clamp capillary 21371 (1) screws 804644 and nuts 60156
123869A/U – Copper. Bulb size: 3/8 in. x 3 in. (10 mm x 76 mm). Well size: 3 in. (76 mm) insertion, 1 1/2 in. (38 mm) insulation, 1/2 in. NPT.
123870A/U – Copper. Bulb size: 3/8 in. x 3 in. (10 mm x 76 mm). Well size: 3 in. (76 mm) insertion, 1 1/2 in. (38 mm) insulation, 3/4 in. NPT.
C7089R1013/U – Senses outdoor temperature and humidity to display on RedLINK™ enabled thermostats and accessories.
C7089U1006/U – Outdoor Sensor used to measure the outdoor temperature for use with VisionPro and VisionPRO IAQ.
W8735ER1000/U – Wireless Outdoor Reset Module for use with L7224/L7248 series 2.
W8735S1000/U – Outdoor Reset Module for use with L7224/L7248 series 2. Includes outdoor sensor.
W8735S1008/U – Domestic Hot Water Module for use with L7224/L7248 series 2. Includes water pipe temperature sensor.
W8735Y1000/U – Outdoor Reset Module for use with L7224/L7248 series 2. Includes outdoor sensor C7089R1013.

Residential Combustion Control

Material Number	Application	Differential Temperature	Mounting	Electrical Ratings, Burner	Electrical Ratings, Circulator
L7224U1002/U	Oil Aquastat Controller	High limit : 5-20°F adj.; low limit: 10-25°F adj.	Well mount, horizontal or vertical position, or flush mounted remote from the well.	At Full Load – 7.4 A @ 120 Vac; At Locked Rotor – 44.4 A inrush	At Full Load – 7.4 A @ 120 Vac; At Locked Rotor – 44.4 A inrush

Outdoor Reset and Domestic Hot Water Priority

Outdoor reset saves energy by optimizing a boiler's settings based on the actual outdoor temperature. We offer wired and wireless AquaReset® Outdoor Reset solutions. While both versions offer the same incredible energy savings, the Wireless AquaReset® solution installs in only 30 minutes thanks to RedLINK® wireless communication. Compatible with Outdoor Reset-Ready L7224/L7248 Aquastat®s, S93 Integrated Boiler Controls, and R7910 SOLA Controls.

Domestic Hot Water Priority Kits are used with AquaReset® and available for applications when domestic hot water priority override is needed.

Voltage: 24 Vac
Frequency: 60 Hz
Temperature Range: -30°F to 150°F (-34°C to 66°C)
Mounting: Wall Mounted in any orientation
Operating Temperature Range: -30°F to 150°F (-9°C to 66°C)
Electrical Ratings: 24 Vac, 60 Hz
Operating Humidity Range (% RH): 0 to 95% RH Non-Condensing

Accessories:
C7089R1013/U – Wireless outdoor sensor
C7089U1006/U – Wired outdoor sensor for use in W8735S1000/U

Material Number	Description	Application	Dimensions	Used With	Includes
W8735ER1000/U	Wireless Outdoor Reset Module for use with L7224/L7248 series 2.	Wireless Outdoor Reset Module	5.56 in. high x 4.56 in. wide x 1.25 in deep	L7224; L7248; S9360, S9361, S9380; R7910	–
W8735S1000/U	Outdoor Reset Module for use with L7224/L7248 series 2. Includes outdoor sensor	Wireless Outdoor Reset Module	2.410 in. high x 3.385 in. wide x .920 in deep	L7224; L7248; S9360, S9361, S9380; R7910	C7089U1006 Outdoor Sensor; Outdoor Reset Module
W8735S1008/U	Domestic Hot Water Module for use with L7224/L7248 series 2. Includes water pipe temperature sensor	Domestic Hot Water Priority Kit	2.410 in. high x 3.385 in. wide x .920 in deep	L7224; L7248	–
W8735Y1000/U	Outdoor Reset Module for use with L7224/L7248 series 2. Includes outdoor sensor C7089R1013	Wireless Outdoor Reset Kit	5.56 in. high x 4.56 in. wide x 1.25 in deep	L7224; L7248; S9360, S9361, S9380; R7910	C7089R1013

Residential Combustion Control

Programmable Commercial Thermostats

Prestige® 2-Wire IAQ Thermostat

THX9421R5021WW/U

The Prestige® IAQ thermostat is a 2 wire high definition color touch screen thermostat, 7 day programmable and selectable for residential or light commercial use. Controls up to 4-stages of heat and 2-stages of cool in a heat pump system and up to 3-stages of heat and 2-stages of cool in a conventional system.

- Control heating, cooling and IAQ equipment with only 2 wires at the thermostat. Heating, cooling and IAQ equipment wires to the Equipment Interface Module.
- Smart Schedule - programs in seconds for any lifestyle
- Patented interview based programming and installer setup.
- RedLINK™ wireless communication.
- Increase profit per job by including RedLINK™ accessories that provide comfort and convenience. RedLINK™ accessories include the RedLINK™ Internet Gateway, Portable Comfort Control (PCC), Wireless Outdoor Sensor, Wireless Indoor Sensor, Wireless Entry/Exit Remote, Wireless Vent and Filter Boost Remote, TrueSTEAM™ humidifier with Wireless Adapter and TrueZONE® zoning panel with Wireless Adapter.
- Selectable for residential and light commercial applications. Meets commercial code and is title 24 compliant.
- Light commercial - commercial language (occupied and unoccupied), schedule holidays and custom events, remote setback, economizer and time of day.
- Delta T Alerts and Diagnostics informs customers when their system is not performing as expected with instructions to contact the dealer. Provides a sense of security and greater comfort while generating repeat business.
- All Prestige® IAQ kits come standard with a return and discharge air temperature sensor to measure Delta T.
- Alerts and User Interactions Log - Keeps a searchable history of alerts and setting changes to the thermostat to determine if there is a system malfunction or if the issue was caused by user error. Saves time in troubleshooting and points the technician in the right direction.
- Performance Logs - Keeps a history of heating and cooling performance. The performance log includes Minimum and Maximum Delta T, Minimum and Maximum Discharge Temperature, Minimum and Maximum Return Temperature, Minimum and Maximum Indoor Temperature/Humidity, Minimum and Maximum Outdoor Temperature/Humidity and Run Time. Quickly determine if the system is performing as expected and reduces service time on the job.

- Customizable Service Reminders allow dealers to remind their customers when it's time to call for service, when their warranty is expiring and to provide customized alerts.
- USB port for transferring Installer Setup, Customizable Reminders, Custom Events and Holidays to multiple thermostats.
- USB port for adding the dealer's full color business logo on the screen.
- 3 assignable outputs to control humidification, dehumidification, ventilation and a stage of heating or cooling.
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak.
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals.
- Tri-lingual - English, French and Spanish display options.
- Precise temperature control (+/- 1°F) for reliable and consistent temperature.
- Multiple staging options to provide comfort or energy savings.

Applications: Up to 4 Heat/2 Cool Heat Pumps; Up to 3 Heat/2 Cool Conventional Systems
Display Size: 8.06 sq in.
Terminal Designations: R, °C then RedLINK to Equipment Interface Module
Changeover: Auto or Manual
Stages: Up to 4 Heat/2 Cool Heat Pumps; Up to 3 Heat/2 Cool Conventional Systems, See Equipment Interface Module
Programmability: 7-Day Multiple Day Programming or Non-Programmable
Switch Positions (System): HEAT-OFF-COOL-AUTO-EM.HEAT
Switch Positions (Fan): AUTO-ON-CIRC-FOLLOW SCHEDULE
Setting Temperature Range: Heat: 40°F to 90°F; Cool 50°F to 99°F (Heat: 4.5°C to 32.0°C; Cool: 10°C to 37.0°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Humidification Setting Range: Cooling: 40 to 80% RH. Heating: 10 to 60% RH.
Dehumidification Setting Range: 40 to 80% RH.
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Hardwired
Supply Voltage: 18 to 30 Vac
Frequency: 50 Hz; 60 Hz
Electrical Connections: Screw terminals
Electrical Ratings: 18 to 30 Vac
Dimensions: 3 1/2 in. High, 4 1/2 in. Wide, 7/8 in. Deep (88 mm. High, 115 mm. Wide, 22 mm. Deep)
External Sensors Available: N/A
Comments: Tri-Lingual Display (selectable for English, French or Spanish)

REDLINK™

Wireless Technology

Accessories:
THP2400A1027B/U – Black Coverplate assembly for use with the Prestige® 2-Wire IAQ Thermostat
YTHM5421R1010/U – Prestige® 2-Wire IAQ Equipment Interface Module Kit with 2 Duct Sensors
THM5421R1021/U – Prestige® 2-Wire IAQ Equipment Interface Module
THM6000R1002/U – RedLINK Internet Gateway
THM4000R1000/U – Wireless Adapter for use with RedLINK™ enabled thermostats and TrueZONE™ system
REM5000R1001/U – Portable Comfort Control
REM1000R1003/U – RedLINK Wireless Entry/Exit Remote
HVC20A1000/U – Wireless Vent and Filter Boost Remote
C7089R1013/U – Senses outdoor temperature and humidity
C7189R1004/U – Wireless Indoor Air Sensor. RedLINK™ enabled. Senses indoor temperature and humidity

Material Number	Color	Includes	Used With
THX9421R5021WW/U	Front: White, Side: White		THM5421R1021 Equipment Interface Module and RedLINK™ accessories
YTHX9421R5085WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module and 2 Duct Sensors	RedLINK™ accessories
YTHX9421R5101WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module, C7089R1013 Wireless Outdoor Sensor and 2 Duct Sensors	RedLINK™ accessories
YTHX9421R5127WW/U	Front: White, Side: White	THX9421R5021WW Prestige® 2-Wire IAQ Thermostat, THM5421R1021 Equipment Interface Module, THM6000R1002 RedLINK™ Internet Gateway and 2 Duct Sensors	RedLINK™ accessories

Programmable Commercial Thermostats

VisionPRO® 8000 with RedLINK™ technology

VisionPRO® 8000 with RedLINK™ technology is a touchscreen thermostat, 7 day programmable and selectable for residential or light commercial use. Controls up to 3-stages of heat and 2-stages of cool in a heat pump system and up to 2-stages of heat and 2-stages of cool in a conventional system.

- Thermostat works standalone or with the THM5421R1021 Equipment Interface Module or with the TrueZONE Wireless Adapter.
- Smart Schedule - programs in seconds for any lifestyle.
- Patented interview based programming and installer setup.
- RedLINK™ wireless communication.
- Increase profit per job by including RedLINK™ accessories that provide comfort and convenience. RedLINK™ accessories include the RedLINK™ Internet Gateway, Portable Comfort Control (PCC), Wireless Outdoor Sensor, Wireless Indoor Sensor, Wireless Entry/Exit Remote, Wireless Vent and Filter Boost Remote, TrueSTEAM™ humidifier with Wireless Adapter and TrueZONE® zoning panel with Wireless Adapter.
- Selectable for residential and light commercial applications. Meets commercial code and is title 24 compliant.
- Light commercial - commercial language (occupied and unoccupied), schedule holidays and custom events, remote setback, economizer and time of day. Remote Setback requires the THM5421R1021 Equipment Interface Module.

Applications: Up to 1 Heat/1 Cool heat pump or up to 1 Heat/1 Cool conventional
Display Size: 10 sq in.
Color: Arctic White
Changeover: Auto or Manual
Stages: Up to 4 Heat / 2 Cool Heat Pump or Up to 3 Heat / 2 Cool Conventional when used with the Equipment Interface Module.
Programmability: 7-Day Multiple Day Programming or Non-Programmable
Switch Positions (System): HEAT-OFF-COOL-AUTO
Switch Positions (Fan): AUTO-ON-CIRC-FOLLOW SCHEDULE
Setting Temperature Range: Heat: 40°F to 90°F; Cool 50°F to 99°F (Heat: 4.5°C to 32.0°C; Cool: 10°C to 37.0°C)
Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Power Method: Battery or Hardwired (must be battery powered when used on a millivolt system)
Supply Voltage: 18 to 30 Vac
Frequency: 50 Hz; 60 Hz
Electrical Connections: Screw terminals
Electrical Ratings: 18 to 30 Vac or 750 mV
Dimensions: 4 5/8 in. High, 4 15/16 in. Wide, 1 1/8 in. Deep (118 mm. High, 126 mm. Wide, 29 mm. Deep)
Used With: Works standalone or with optional THM5421R1021 Equipment Interface Module and RedLINK™ accessories

- Plain language setup, no manual needed.
- Alerts and User Interactions Log - Keeps a searchable history of alerts and setting changes to the thermostat to determine if there is a system malfunction or if the issue was caused by a user error. Saves time in troubleshooting and points the technician in the right direction. The Alert and User Interaction Logs are viewable on a computer after you download them from the thermostat to a microSD card.
- Customizable Service Reminders allow dealers to remind their customers when it's time to call for service, when their warranty is expiring and to provide customized alerts.
- MicroSD port for copying the Installer Setup, Customizable Reminders, Custom Events and Holidays to multiple thermostats.
- MicroSD port for adding the dealer's contact information on the screen.
- 1 assignable output on the TH8321 model to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- 3 assignable outputs on the Equipment Interface Module to control humidification, dehumidification, ventilation or a stage of heating/cooling. The TH8110 and TH8320 models require the use of a Wireless Indoor Sensor to control humidification and dehumidification.
- 1 assignable input can be used with a wired outdoor, indoor or discharge sensor.
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak.
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals.
- Dual powered - battery or hardwired (C wire).
- Precise temperature control (+/- 1°F) for reliable and consistent temperature.
- Multiple staging options to provide comfort or energy savings.

REDLINK™
Wireless Technology

Accessories:
YTHM5421R1010/U – Prestige® 2-Wire IAQ Equipment Interface Module Kit with 2 Duct Sensors
THM5421R1021/U – Prestige® 2-Wire IAQ Equipment Interface Module
THM6000R1002/U – RedLINK Internet Gateway
THM4000R1000/U – Wireless Adapter for use with RedLINK™ enabled thermostats and TrueZONE™ system
REM1000R1003/U – RedLINK Wireless Entry/Exit Remote
HVC20A1000/U – Wireless Vent and Filter Boost Remote
C7089R1013/U – Senses outdoor temperature and humidity
C7189R1004/U – Wireless Indoor Air Sensor. RedLINK™ enabled. Senses indoor temperature and humidity
THP2400A1019/U – Coverplate assembly for use with the RedLINK™ VisionPRO®
REM5000R1001/U – Portable Comfort Control

Material Number	Terminal Designations	Stages (when used standalone)	Humidification Setting Range	Dehumidification Setting Range	Includes
TH8110R1008/U	R, RC, C, W-O/B, Y, G, K, S1 S1	Up to 1 Heat / 1 Cool Heat Pump or Up to 1 Heat / 1 Cool Conventional			VisionPRO® 8000 thermostat
TH8320R1003/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional			VisionPRO® 8000 thermostat
TH8321R1001/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	VisionPRO® 8000 thermostat
YTH8321R1002/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	TH8321R1001 VisionPRO® 8000 thermostat and THM6000R1002 RedLINK™ Internet Gateway