

INTERNET READY WIRELESS THERMOSTAT PRESTIGE 2.0 / PRESTIGE IAQ 2.0



Honeywell

DESCRIPTION

The **Prestige 2.0** High Definition (HD) Color Touchscreen Thermostat provides control of 24Vac of heating and cooling systems. RedLINK™ enabled to work with compatible wireless accessories. With the addition of the THM6000R1002 RedLINK internet gateway the Prestige 2.0 can be viewed and set over the internet.

FEATURES

- **RedLINK™ Wireless built-in**
- **Single Piece and 2-piece/2 wire models available**
- **Universal outputs for humidification, dehumidification or ventilation control**
- **Selectable Commercial or Residential functionality**
- **Holiday & special event calendar (Commercial Configuration)**
- **Override Time limits (Commercial Configuration)**
- **Pre-Occupancy Purge (Commercial Configuration)**
- **Title 24 Compliant (Commercial Configuration)**
- **Economizer Enable / Occupancy Relay (Commercial Configuration)**
- **Universal inputs - S1 and S2 (on 2 piece models, supply/return sensor or dry-contact)**
- **Delta T predictive diagnostics (on 2 piece models with supply/return sensors)**
- **Configurable user alerts, maintenance reminders and interaction logs**
- **USB port for contractor configuration backup & restore**
- **Optional wireless outdoor and space temperature + humidity sensors**
- **Optional wireless table-top remote touch screen remote control with temperature sensor**

NEW!



THM6000R1002



THX9321R5030



APPLICATION

- 1 piece** Up to 3 heat / 2 cool heat pump
Up to 2 heat / 2 cool conventional
- 2 piece** Up to 4 heat / 2 cool heat pump
Up to 3 heat / 2 cool conventional
Up to 3 heat / 4 cool conventional
(commercial using universal output terminals)

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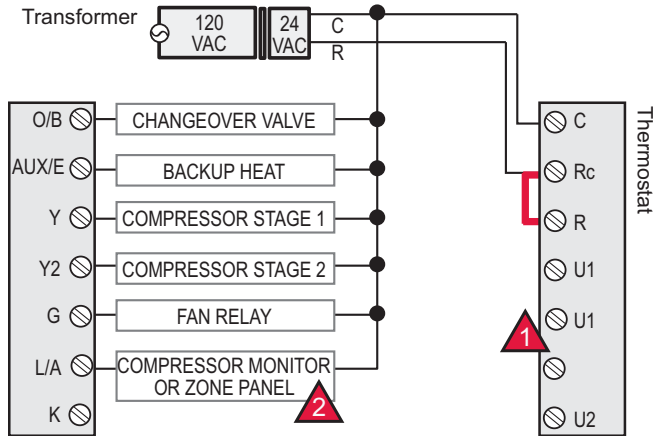
NETWORK & WIRELESS

NEW!

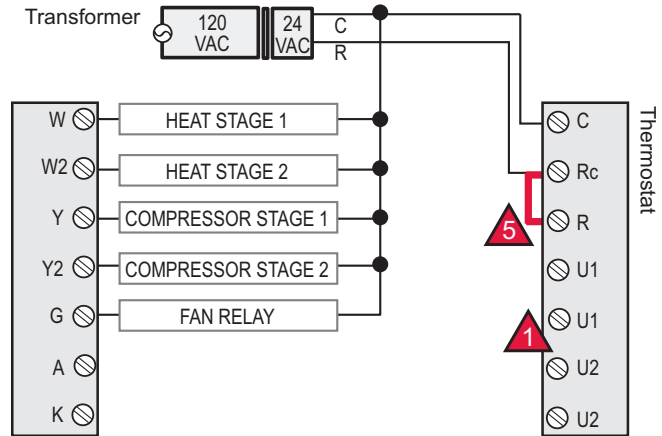
SPECIFICATIONS	
Supply Voltage	18-30VAC
Frequency Range	902-928 MHz Building material and content dependent
Modulation	Frequency Hopping Spread Spectrum
System Type	3H/2C conventional, 4H/2C heatpump, 4C/3H max conventional commercial using universal output terminals
Communication	Honeywell RedLINK
Analog Input	EIM 2 Universal inputs, temperature or dry-contact selectable (not available with single-piece thermostat)
Digital Output	
EIM	7
Standalone Thermostat	6
Auxiliary Contacts	
EIM	3
Standalone Thermostat	2
Contact Rating	
EIM terminals W-O/B, Y, W3-Aux2, A-L/A	Maximum Current 1.0A
EIM terminals G, U1, U2, U3	Maximum Current 0.5A
EIM terminals W2-Aux1, Y2	Maximum Current 0.6A
Accuracy	
Temperature	±1°F
Humidity	5% (1-100%)
Setpoint Range	
Temperature	40 to 90 Heat; 50 to 99 Cool
Humidity	10 to 60% Humidity; 40 to 80% for Dehumidification
Operating Temperature	
Thermostat	32° to 120°F (0° to 48.8°C)
EIM	-40° to 165°F (-40° to 73.8°C)
Operating Humidity	
Thermostat	5 to 90% (non-condensing)
EIM	5 to 95% (non-condensing)
Dimensions	
Thermostat	3.8"H x 6.81"W x 1.8"D (9.6 x 17.27 x 4.5 cm)
EIM	9.3"H x 4.18"W x 1.59"D (23.6 x 10.6 x 4 cm)
Weight	2.5 lb (1.13 kg)
Approvals	This device complies with Part 15 of the FCC Rules.(15.19, 15.21, 15.105)
RoHS Statement	Yes
Warranty	5 year limited (excluding batteries)

WIRING - PRESTIGE THX9321

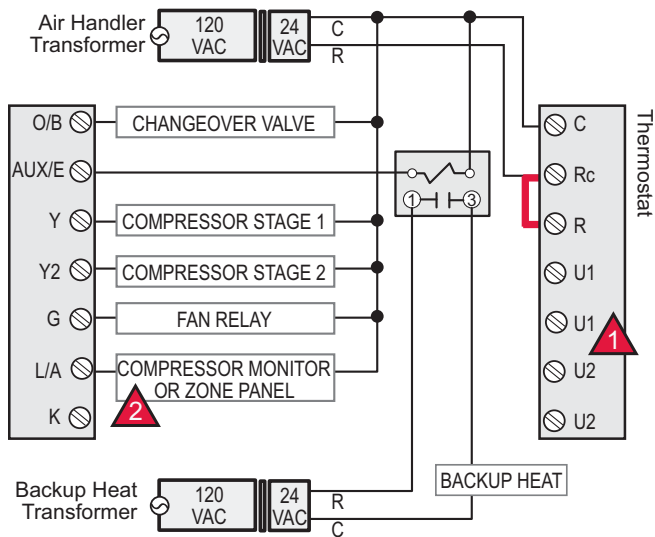
Typical wiring of a 3-heat / 2-cool heat pump system with one transformer



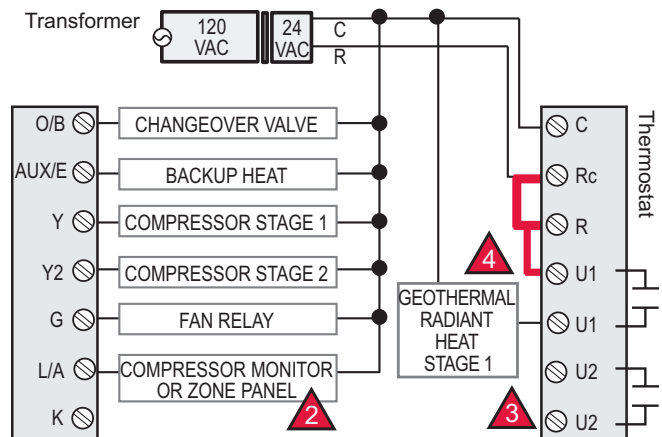
Typical wiring of a 2-heat / 2-cool conventional system with one transformer



Typical wiring of a 3-heat / 2-cool heat pump system with two transformers



Typical wiring for geothermal radiant heat, geothermal forced-air and backup heat with one transformer

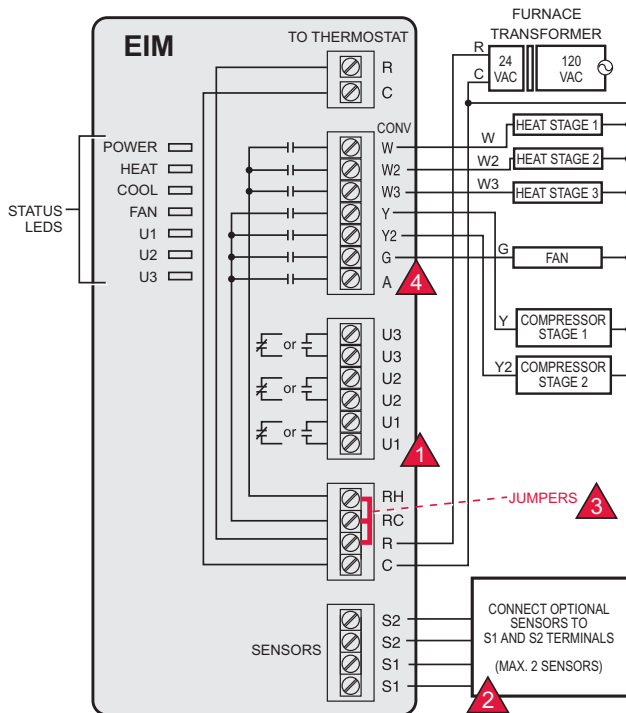


1. U1 and U2 terminals are dry contacts.
2. L/A terminal sends continuous output when thermostat is set to EM HEAT mode except when set up for Economizer or TOD. See Economizer wiring section.
3. U1 or U2 terminals must be used for geothermal radiant heat (ISU 2010). Thermostat allows 2 stages of radiant heat—geothermal (stage 1) and boiler (stage 2).
4. "U" terminals are normally open dry contacts when set up for geothermal radiant heat. You must install a field jumper if radiant heat is powered by transformer. Do NOT install a field jumper if radiant heat has its own transformer.
5. Remove jumper if using separate transformers.

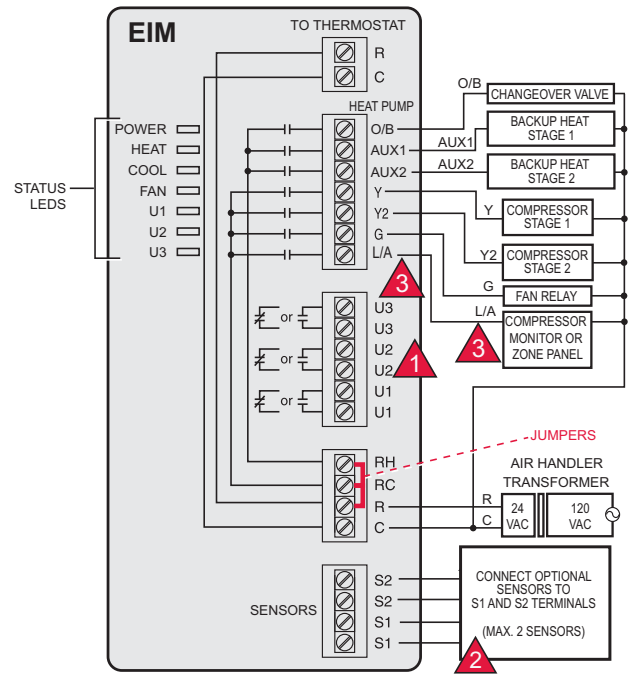


WIRING - EIM

Typical wiring of a conventional system with up to 3-stage heat and 2-stage cool with one transformer.



Typical wiring of a heat pump system with up to four-stage heat and two-stage cool with one transformer.



See installation instructions for additional wiring options.

NOTES

The RedLINK Internet Gateway requires a physical Ethernet connection to an open port on a user-supplied router. The router must be connected to the internet via a user's Internet Provider for access to the Honeywell server. There is no need for a static IP address. To date, there have been no reported issues with port blocking or firewalls preventing access.

In order to guard against possible wireless signal overload, assure that all wireless RedLINK devices including the RedLINK Internet Gateway are spaced a minimum of 2 feet apart from each other for proper operation.

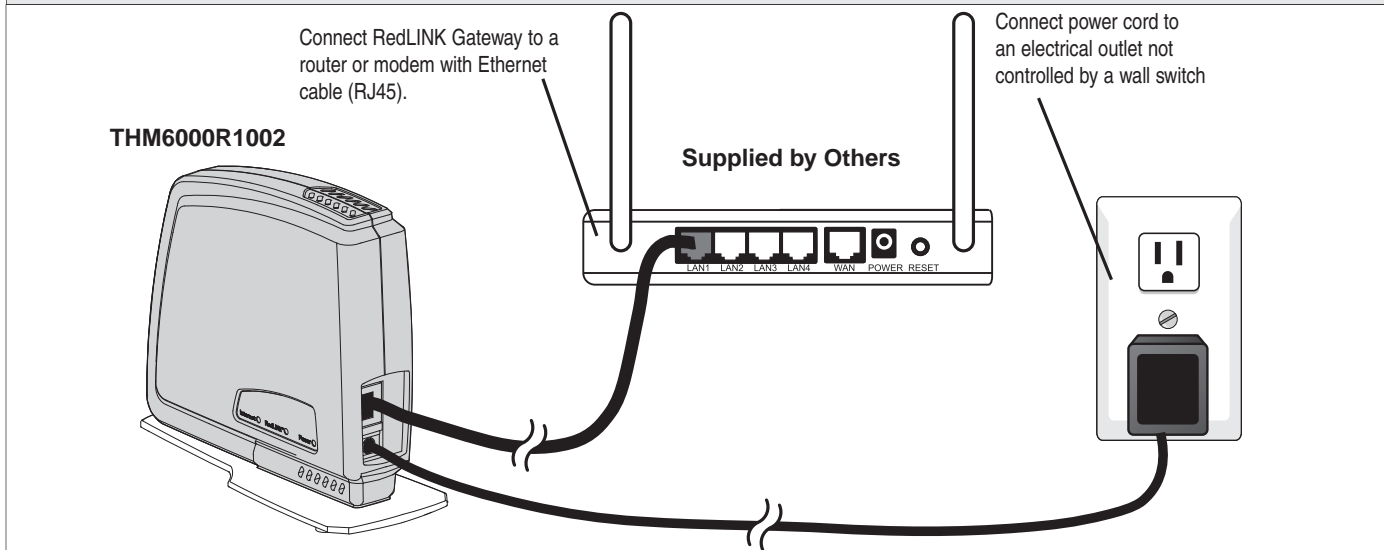
REDLINK WIRELESS GATEWAY (THM6000R1002) CONTRACTOR SETUP:

1. Connect power to the RedLINK Internet Gateway using the supplied 120VAC power supply wall module.
2. Connect the supplied Ethernet cable from the RedLINK Internet Gateway to an available port on a designated Router (router supplied by others).
3. Using the Prestige Thermostat Contractor Installation Options Menu select Wireless Device Manager, then select Add Device.
4. Press and release the Connect button located on the bottom of the RedLINK Internet Gateway. The device will appear on the Thermostat. Exit the menu.
5. Note the Device MAC ID and Device CRC information on the bottom of the device (required for account assignment).



INTERNET READY WIRELESS THERMOSTAT PRESTIGE 2.0

GATEWAY SETUP



ACCOUNT SETUP

1. Visit www.mytotalconnectcomfort.com and click "Create an Account" There is no charge for this service.
2. Enter required account information including email, password and security questions/answers
3. Account verification email will be sent to account email - log into email and validate account to return to www.mytotalconnectcomfort.com
4. Enter New Location for RedLINK Internet Gateway including location type (commercial or residential) and alert email accounts
5. Assign RedLINK Internet Gateway to location by entering the unique device MAC ID and device CRC information (Found on bottom of THM6000R1002)

Account is now active and may be accessed via any supported web browser or smart phone application.

ORDERING INFORMATION

MODEL	DESCRIPTION
THX9321R5030	Prestige high definition color touchscreen thermostat. RedLINK enabled
YTHX9321R5079	One piece prestige high definition color touchscreen thermostat plus C7089R1013 wireless outdoor temperature and humidity sensor + batteries
YTHX9321R5061	One piece Prestige 2.0 high definition color touchscreen thermostat plus C7089R1013 wireless outdoor temperature and humidity sensor plus REM5000R1001 wireless portable comfort control table-top remote with temperature sensor + batteries
YTHX9421R5051	2 piece / 2 wire Prestige 2.0 high definition color touchscreen thermostat plus THM5421R1013 equipment interface module, plus 2 duct sensors
YTHX9421R5069	2 piece / 2 wire Prestige 2.0 high definition color touchscreen thermostat plus THM5421R1013 equipment interface module, plus 2 duct sensors plus C7089R1013 wireless outdoor temperature / humidity sensor plus batteries
YTHX9421R5077	2 piece / 2 wire Prestige 2.0 high definition color touchscreen thermostat plus THM5421R1013 equipment interface module, plus 2 duct sensors plus C7089R1013 wireless outdoor temperature / humidity sensor plus REM5000R1001 wireless portable comfort control table-top remote with temperature sensor + batteries
THM6000R1002	RedLINK enabled internet gateway.
C7189R1004	Wireless indoor sensor. RedLINK enabled. Senses indoor temperature and humidity to be used for control with Prestige 2.0 thermostats.
C7089R1013	Wireless outdoor temperature and humidity sensor. RedLINK enabled. Up to 5 year battery life (2 AA lithium batteries included)
REM5000R1001	Wireless portable comfort control table-top remote with temperature sensor. RedLINK enabled. (3 AA alkaline batteries included)