Lyric™ T6 Pro Wi-Fi Programmable Thermostat
Professional Install Guide

Package Includes:
- Lyric T6 PRO Wi-Fi Thermostat
- UWP Mounting System
- Honeywell Standard Installation Adapter (J-box adapter)
- Honeywell Decorative Cover Plate – Small; size 4-49/64 in = 121mm.
- Screws and anchors
- Professional Install Guide
- Getting Started Guide

Compatibility
- Compatible with most heating, cooling, and heat pump systems
- Required: 24 VAC power (“C” wire)
- Does not work with electric baseboard heat (120-240V)
- Does not work with millivolt systems
- Android or iOS smartphone or tablet

Customer assistance
WEB customer.honeywell.com
PHONE 1-800-633-3991
UWP Mounting System installation

1. Open package to find the UWP. See Figure 1.

2. Position the UWP on the wall. Level and mark hole positions. See Figure 2.
   - Drill holes at marked positions, and then lightly tap supplied wall anchors into wall using a hammer.
   - Drill 7/32” holes for drywall.

3. Pull the door open and insert wires through wiring hole of the UWP. See Figure 3.

4. Place the UWP over the wall anchors. Insert and tighten mounting screws supplied with the UWP. Do not overtighten. Tighten until the UWP no longer moves. Close the door. See Figure 4.

Optional Decorative Cover Plate installation

Use the Optional Cover Plate when:
- Mounting the thermostat to an electrical junction box
- Or when you need to cover paint gap from the old thermostat.

5. Separate the Junction Box Adapter from the Cover Plate. See Figure 5.

6. Mount the Junction Box Adapter to the wall or an electrical box using any of the eight screw holes. Insert and tighten mounting screws supplied with Cover Plate Kit. Do not overtighten. Make sure the Adapter Plate is level. See Figure 6.

7. Attach the UWP by hanging it on the top hook of the Junction Box Adapter and then snapping the bottom of the UWP in place. See Figure 7.

8. Snap the Cover Plate onto the Junction Box Adapter. See Figure 8.
Wiring UWP

Push down on the tabs to put the wires into the inner holes of their corresponding terminals on the UWP (one wire per terminal) until they are firmly in place. **Gently tug on the wires to verify they are secure.** If you need to release the wires again, push down the terminal tabs on the sides of the UWP.

This wiring is just an example, yours may vary.

Terminal designations

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Description</th>
<th>Terminal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S/S</td>
<td>Universal input for a wired indoor, outdoor sensor</td>
<td>S/S</td>
<td>Universal input for a wired indoor, outdoor sensor</td>
</tr>
<tr>
<td>Y</td>
<td>Compressor Stage 1</td>
<td>Y</td>
<td>Compressor Stage 1</td>
</tr>
<tr>
<td>Y2</td>
<td>Compressor Stage 2</td>
<td>Y2</td>
<td>Compressor Stage 2</td>
</tr>
<tr>
<td>G</td>
<td>Fan Relay</td>
<td>G</td>
<td>Fan Relay</td>
</tr>
<tr>
<td>C</td>
<td>24VAC Common wire from secondary side of cooling transformer (if 2 transformers)</td>
<td>C</td>
<td>24VAC Common wire from secondary side of cooling transformer</td>
</tr>
<tr>
<td>K*</td>
<td>Connect to K on Wire Saver Module</td>
<td>K*</td>
<td>Connect to K on Wire Saver Module</td>
</tr>
<tr>
<td>U/U**</td>
<td>Universal relay for ventilation</td>
<td>U/U**</td>
<td>Universal relay for ventilation</td>
</tr>
<tr>
<td>A</td>
<td>L/A</td>
<td>A</td>
<td>Connect to compressor monitor</td>
</tr>
<tr>
<td>W</td>
<td>Heat Stage 1</td>
<td>W</td>
<td>O/B</td>
</tr>
<tr>
<td>W2</td>
<td>Heat Stage 2</td>
<td>W2</td>
<td>Aux</td>
</tr>
<tr>
<td>R</td>
<td>24 VAC Heating transformer</td>
<td>R</td>
<td>24 VAC Heating transformer</td>
</tr>
<tr>
<td>Rc</td>
<td>24 VAC Cooling transformer</td>
<td>Rc</td>
<td>24 VAC Cooling transformer</td>
</tr>
</tbody>
</table>

* The THP9045A1023 Wire Saver Module is used on heat/cool systems when you only have four wires at the thermostat and you need a fifth wire for a common wire. Use the K terminal in place of the Y and G terminals on conventional or heat pump systems to provide control of the fan and the compressor through a single wire—the unused wire then becomes your common wire. See THP9045 instructions for more information.

** Ventilation is not available on all models. When the U slider is in the down position (2 wires), the U contacts are a dry set of contacts. If your ventilation system requires 24 volts, move the U slider to the up position (1 wire). Lower U terminal is internally jumped to the Rc terminal. In this application, you would hook up one wire from your damper to the upper U terminal and the other to the common side of the transformer.
Setting Slider Tabs

Set R Slider Tab, see Figure 9.

- Use built-in jumper (R Slider Tab) to differentiate between one or two transformer systems.
- If there is only one R wire, and it is connected to the R, Rc, or RH terminal on the old thermostat, set the slider to the up position (1 wire).
- If there is one wire connected to the R terminal and one wire connected to the Rc terminal, set the slider to the down position (2 wires).

Set U Slider Tab, see Figure 10.

- Use built-in jumper (U Slider Tab) of universal relay to wire ventilation. Please note that ventilation is not supported on all models.
- When the U Slider Tab is in the down position (2 wires) the U contacts are a dry set of contacts.
- If the ventilator is powered by the cooling transformer, move the jumper switch to the up position (1 wire). With this switch set to 1 wire, the lower U terminal is internally jumped to the Rc terminal. In this application, hook up one wire from the vent damper to the U terminal and the other to the common side of the cooling system transformer.
Wiring

NOTES:
1. Available wiring configurations differ by product models/product numbers.
2. Use 18- to 22- gauge thermostat wire. Shielded cable is not required.
3. Set the R Slider Tab on the UWP to the up position (1 wire) for 1 transformer systems or the down position (2 wires) for 2 transformer systems. See “Setting Slider Tabs” on page 4.
4. Set the U Slider Tab to the up position (1 wire) for non-powered ventilation or the down position (2 wires) for powered ventilation. See “Setting Slider Tabs” on page 4.

Conventional systems

1H/1C System (1 transformer)
- R  Power
- Rc  [R+Rc joined by Slider Tab]
- Y  Compressor contactor
- C  24VAC common
- W  Heat relay
- G  Fan relay

1H/1C System (2 transformers)
- R  Power (heating transformer)
- Rc  Power (cooling transformer)
- Y  Compressor contactor
- C  24 VAC common from cooling transformer
- W  Heat relay
- G  Fan relay

2H/2C System (1 transformer)
- R  Power
- Rc  [R+Rc joined by Slider Tab]
- Y  Compressor contactor (stage 1)
- C  24VAC common
- W  Heat relay (stage 1)
- G  Fan relay
- W2  Heat relay (stage 2)
- Y2  Compressor contactor (stage 2)

Hot Water Relay Panel
- R  Power
- Rc  [R+Rc joined by Slider Tab]
- W  Heat Relay
- C  24VAC common

NOTE: If the panel does not provide 24 volts AC at R and C, set the slider to down position and wire a separate transformer to Rc and C.

Heat-only System with Fan
- R  Power
- Rc  [R+Rc joined by Slider Tab]
- C  24VAC common
- W  Heat relay
- G  Fan relay

Cool-only System with Fan
- R  Power
- Rc  [R+Rc joined by Slider Tab]
- Y  Compressor contactor
- C  24VAC common
- G  Fan relay
Heat pumps systems

**1H/1C Heat Pump System**
- **R** Power
- **Rc** [R+Rc joined by Slider Tab]
- **Y** Compressor contactor
- **C** 24VAC common
- **O/B** Changeover valve
- **G** Fan relay

**2H/1C Heat Pump System**
- **R** Power
- **Rc** [R+Rc joined by Slider Tab]
- **Y** Compressor contactor
- **C** 24VAC common
- **O/B** Changeover valve
- **G** Fan relay
- **Aux** Auxiliary heat
- **E** Emergency heat relay
- **Y2** Compressor contactor (stage 2)
- **L** Heat pump fault input

**2H/2C Heat Pump System**
- **R** Power
- **Rc** [R+Rc joined by Slider Tab]
- **Y** Compressor contactor (stage 1)
- **C** 24VAC common
- **O/B** Changeover valve
- **G** Fan relay
- **Y2** Compressor contactor (stage 2)
- **L** Heat pump fault input

**3H/2C Heat Pump System**
- **R** Power
- **Rc** [R+Rc joined by Slider Tab]
- **Y** Compressor contactor (stage 1)
- **C** 24VAC common
- **O/B** Changeover valve
- **G** Fan relay
- **Aux** Auxiliary heat
- **E** Emergency heat relay
- **Y2** Compressor contactor (stage 2)
- **L** Heat pump fault input

**NOTE:** This application is not supported by all models of the thermostat.
Ventilation systems

NOTE: Ventilation is not available on all models.

Using U Slider Tab

Wired to ERV/HRV whole house ventilator with internal power supply.

Wired to fresh air damper powered by furnace transformer.

Mounting thermostat

1. Push excess wire back into the wall opening.
2. Close the UWP door. It should remain closed without bulging.
3. Align the UWP with the thermostat, and push gently until the thermostat snaps in place.
4. If needed, gently pull to remove the thermostat from the UWP.
Installer setup – using the thermostat

Setup using the thermostat

• After the Lyric thermostat has powered up, touch **START SETUP** on the thermostat. You’ll be asked if you want to perform setup via Lyric app. Touch **No**.

• Touch  或  to toggle between Installer Set Up (ISU) options.

• Touch **Edit** or touch text area, and then touch  or  to edit default setup option.

• Touch **Done** or touch text area to confirm the setting or press **Cancel**.

• Touch  或  to continue to setup another ISU option.

NOTES:

• To see a list of all setup parameters, go to "Installer setup options (ISU) – advanced menu" on page 11. The thermostat displays the ISU name and the ISU number.

• To finish setup and save your settings, scroll to the **Finish** screen at the end of the ISU list.

• Touch **Select** or touch text area to save changes and exit, or touch  to return to initial setup screen.
Installer setup – using the Lyric app

Setup using the Lyric app

Download the Lyric app from App Store or Google Play to use a hidden PRO installation feature that will allow you to configure the thermostat and personally invite your customer to connect to the installed thermostat at the same time.

Enter Contractor Mode

To enter Contractor Mode, press and hold the Lyric logo for 5 seconds. Then tap Confirm to begin using Contractor Mode. Follow steps to personally invite your customer to connect their Lyric App.

Installer setup – advanced menu

To access the advanced menu, press and hold the Menu button for 5 seconds. Touch ① or ② to go through the options in the advanced menu.

Advanced menu options

Device Setup
This is used to access the device ISU setting.

Screen Lock
The thermostat touch screen can be set to lock fully or partially.

Rater View
A read only place to view all the ventilation settings.

System Test
Test the heating and cooling system.

Range Stop (Temperature)
Set the minimum, maximum, cool and heat temperature set points.

Reset
Access all reset options on the thermostat. This is the only place to access factory reset.
Key features

System status information
- Cool On, Heat On
- Emergency Heat On, Recovery, or Auto Changeover On.

Schedule information
- Following time-based or location-based temperature control.

 Desired Temperature
- Displays the current desired temperature setting.

 Indoor Temperature
- Displays the current indoor temperature.

 Mode

Time, ISU #, or Alert #

 Connection status information
- Status of Wi-Fi Connection: Connected, Disconnected, or Wi-Fi is Off.

 Messaging
- Shows device setup options, menu options, reminders, schedule overrides.

 Schedule period
- Shows schedule period: Wake/Away/Home/Sleep.

 Fan
- Select Fan mode Auto/On/Circulate.

Menu
- Touch to display options. Start here to set a program schedule.

Note: Long press of Menu button for 5 seconds to access Advanced Menu options.

The screen will wake up by pressing the center area of the displayed temperature. The screen will stay lit for 45 seconds. Brightness can be adjusted in the Menu.
Installer setup options (ISU) – advanced menu

<table>
<thead>
<tr>
<th># ISU</th>
<th>ISU Name</th>
<th>ISU Options (defaults in bold)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Schedule Type</td>
<td>No Schedule, MO-SU = Every day the same, MO-FR, SA-SU = 5-1-1 schedule, MO-FR, SA-SU = 5-2 schedule, Each Day = Every day individual</td>
<td>You can change default MO-FR, SA-SU schedule here. To edit periods during days, temperature setpoints, or to turn Schedule On/Off, from the home screen, go to MENU/SCHEDULE.</td>
</tr>
<tr>
<td>125</td>
<td>Temp Scale</td>
<td>Fahrenheit, Celsius</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>Outdoor Temp</td>
<td>No, Wired, Internet</td>
<td>Select outdoor temperature data source. This ISU automatically defaults to Internet when registered to Lyric app and no wired outdoor sensor is selected. We recommend using a wired outdoor sensor connected to the “S” terminals on the UWP. (See “Wiring” on page 5.) An outdoor temperature is required to set the following ISUs: ISU 355 Compressor Lockout, ISU 356 Aux Heat Lockout, ISU 1013 Low Outdoor Temperature Ventilation Lockout, ISU 1014 High Outdoor Temperature Ventilation Lockout, and ISU 1015 High Outdoor Dew Point Ventilation Lockout.</td>
</tr>
<tr>
<td>200</td>
<td>System Type</td>
<td>Conventional Forced Air, Heat Pump, Boiler, Cool Only</td>
<td>Basic selection of system your thermostat will control.</td>
</tr>
<tr>
<td>205</td>
<td>Equipment Type</td>
<td>Conventional Forced Air Heat: Standard Gas (STD GAS), High Efficiency Gas (EFF GAS), Oil, Electric, Fan Coil, Heat Pump: Air To Air, Geothermal, Boiler: Hot Water, Steam</td>
<td>This option selects the equipment type your thermostat will control. Note: This option is NOT displayed if ISU 200 is set to Cool Only.</td>
</tr>
<tr>
<td>218</td>
<td>Reversing Valve</td>
<td>0/B on Cool, 0/B on Heat</td>
<td>This ISU is only displayed if ISU 200 is set to Heat Pump. Select whether reversing valve O/B should energize on cool or on heat.</td>
</tr>
<tr>
<td>220</td>
<td>Cool Stages (#200=Conv./200=HP)</td>
<td>0, 1, 2</td>
<td></td>
</tr>
<tr>
<td>221</td>
<td>Heat Stages/Aux/E Stages (#200=Conv./200=HP)</td>
<td>Heat Stages: 0, 1, 2, AUX/E STAGES: 0, 1</td>
<td>Maximum of 2 Heat Stages for conventional systems. Maximum of 1 Aux/E stages for heat pump systems.</td>
</tr>
<tr>
<td>230</td>
<td>Fan Control</td>
<td>Equipment, Thermostat</td>
<td>This ISU is only displayed if ISU 205 is set to Electric Forced Air or Fan Coil.</td>
</tr>
<tr>
<td>253</td>
<td>Aux/E Control</td>
<td>Both Aux/E, Either Aux/E</td>
<td>Set “EITHER AUX/E” if you want to setup and control Auxiliary and Emergency heating separately. This ISU is only displayed if ISU 200 is set to Heat Pump AND if ISU 221 Aux/E stages = 1.</td>
</tr>
<tr>
<td>255</td>
<td>Aux Heat Type</td>
<td>Electric, Gas/Oil (or Fossil Forced Air)</td>
<td>This ISU is displayed only if ISU 200 is set to heat pump AND if ISU 221 Aux/E heat stages = 1. Note: Options of this ISU may vary depending on the model of the thermostat.</td>
</tr>
<tr>
<td>ISU Name</td>
<td>ISU Options (defaults in bold)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>256</strong></td>
<td><strong>EM Heat Type</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>260</strong></td>
<td><strong>Fossil Kit Control</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>300</strong></td>
<td><strong>Auto Changeover</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>303</strong></td>
<td><strong>Auto Differential</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>305</strong></td>
<td><strong>High Cool Stage Finish</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>306</strong></td>
<td><strong>High Heat Stage Finish</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>340</strong></td>
<td><strong>Aux Heat Droop</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>350</strong></td>
<td><strong>Up Stage Timer Aux Heat</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>355</strong></td>
<td><strong>Balance Point (Compressor Lockout)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes**
- This ISU is displayed only if ISU 200 is set to Heat Pump and ISU 221 Aux/E heat stages = 1 and ISU 253 is set to Gas/Oil.
- This ISU may not be available at all on some models.
- This ISU is displayed only if ISU 200 is set to Heat Pump and ISU 221 Aux/E heat stages = 1.
- This ISU may not be available at all on some models.

**Table 2.**

Installers setup options (ISU) – advanced menu

- **ISU Options (defaults in bold)**
- **Thermostat, External (Fossil Fuel Kit Controls Backup Heat)**
- **Auto Changeover**
- **Auto Differential**
- **High Cool Stage Finish**
- **High Heat Stage Finish**
- **Aux Heat Droop**
- **Up Stage Timer Aux Heat**
- **Balance Point (Compressor Lockout)**

**Notes**
- This ISU is displayed only if ISU 200 is set to Heat Pump and ISU 221 Aux/E heat stages = 1 and ISU 253 is set to Gas/Oil.
- This ISU may not be available at all on some models.
- This ISU is displayed only if ISU 200 is set to Heat Pump and ISU 221 Aux/E heat stages = 1.
- This ISU may not be available at all on some models.
<table>
<thead>
<tr>
<th># ISU</th>
<th>ISU Name</th>
<th>ISU Options (defaults in bold)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>356</td>
<td>Aux Heat Lock Out (Aux Heat Outdoor Lockout)</td>
<td>Off, 5° F to 65° F (in 5° F increments) or -15.0°C to 18.5°C (in 2.5°C or 3.0°C increments)</td>
<td>Aux Heat Lockout requires an outdoor temperature. Set Aux Heat Lockout to optimize energy bills and to not allow it to run the more expensive Aux Heat source above certain outdoor temperature limit. This ISU is only displayed if ISU 200 is set to Heat Pump, AND ISU 260 is set to Thermostat control AND if ISU 221 Aux/E stages = 1.</td>
</tr>
<tr>
<td>365</td>
<td>Cool 1 CPH (Cooling cycle rate stage 1)</td>
<td>1 - 6 CPH (3 CPH)</td>
<td>This ISU is only displayed when Cool/Compressor Stages is set to 1 or more stages. Cycle rate limits the maximum number of times the system can cycle in a 1 hour period measured at a 50% load. For example, when set to 3 CPH, at a 50% load, the most the system will cycle is 3 times per hour (10 minutes on, 10 minutes off). The system cycles less often when load conditions are less than or greater than a 50% load.</td>
</tr>
<tr>
<td>366</td>
<td>Cool 2 CPH (Cooling cycle rate stage 2)</td>
<td>1 - 6 CPH (3 CPH)</td>
<td>This ISU is only displayed when Cool/Compressor Stages is set to 2.</td>
</tr>
<tr>
<td>370</td>
<td>Heat 1 CPH (Heating cycle rate stage 1)</td>
<td>1 - 12 CPH</td>
<td>This ISU is only displayed when Heat Stages is set to 1 stage or more stages. Cycle rate limits the maximum number of times the system can cycle in a 1 hour period measured at a 50% load. For example, when set to 3 CPH, at a 50% load, the most the system will cycle is 3 times per hour (10 minutes on, 10 minutes off). The system cycles less often when load conditions are less than or greater than a 50% load. The recommended (default) cycle rate settings are below for each heating equipment type: Standard Efficiency Gas Forced Air = 5 CPH; High Efficiency Gas Forced Air = 3 CPH; Oil Forced Air = 5 CPH; Electric Forced Air = 9 CPH; Fan Coil = 3 CPH; Hot Water Radiant Heat = 3 CPH; Steam = 1 CPH.</td>
</tr>
<tr>
<td>371</td>
<td>Heat 2 CPH (Heating cycle rate stage 2)</td>
<td>1 - 12 CPH</td>
<td>This ISU is only displayed when Heat Stages is set to 2 stages. The recommended (default) cycle rate settings are below for each heating equipment type: Standard Efficiency Gas Forced Air = 5 CPH; High Efficiency Gas Forced Air = 3 CPH; Oil Forced Air = 5 CPH; Electric Forced Air = 9 CPH; Fan Coil = 3 CPH; Hot Water Radiant Heat = 3 CPH; Steam = 1 CPH.</td>
</tr>
<tr>
<td>375</td>
<td>Aux Heat CPH (Heating cycle rate Auxiliary Heat)</td>
<td>1 - 12 CPH</td>
<td>This ISU is only displayed when ISU 200 = Heat Pump and ISU 221=1. It is only displayed when Auxiliary Heat is configured. The recommended cycle rate settings are below for each heating equipment type: Standard Efficiency Gas Forced Air = 5 CPH; High Efficiency Gas Forced Air = 3 CPH; Oil Forced Air = 5 CPH; Electric Forced Air = 9 CPH; Fan Coil = 3 CPH; Hot Water Radiant Heat = 3 CPH; Steam = 1 CPH.</td>
</tr>
<tr>
<td>378</td>
<td>EM Heat CPH (Heating cycle rate Emergency Heat)</td>
<td>1 - 12 CPH</td>
<td>This ISU is only displayed when Emergency Heat is configured and ISU 253: Aux/E Terminal Control is set to control Aux and E Heat Independently. The recommended cycle rate settings are below for each heating equipment type: Standard Efficiency Gas Forced Air = 5 CPH; High Efficiency Gas Forced Air = 3 CPH; Oil Forced Air = 5 CPH; Electric Forced Air = 9 CPH.</td>
</tr>
<tr>
<td>387</td>
<td>Compressor Protection</td>
<td>Off, 1 - 5 minutes</td>
<td>The thermostat has a built-in compressor protection (minimum off timer) that prevents the compressor from restarting too early after a shutdown. The minimum-off timer is activated after the compressor turns off. If there is a call during the minimum-off timer, the thermostat shows “Wait” in the display. This ISU is displayed if ISU 220 is set to at least 1 stage.</td>
</tr>
<tr>
<td>390</td>
<td>Ext Fan Run Time in Cool</td>
<td>Off, 30, 60, 90 seconds 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 minutes</td>
<td>After the call for cooling ends, the thermostat keeps the fan on for the selected amount of time for increased efficiency. This may reintroduce humidity into the living space. This ISU is displayed if ISU 220 is set to at least 1 stage.</td>
</tr>
</tbody>
</table>
## Installer setup options (ISU) – advanced menu

### Table 4.

<table>
<thead>
<tr>
<th>ISU Name</th>
<th>ISU Options (defaults in bold)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ext Fan Run Time 391</td>
<td>Off, 30-60, 90, 180 seconds</td>
<td>After the call for heating ends, the thermostat keeps the fan on for the selected amount of time for increased efficiency. This ISU is displayed if ISU 230 is set to Thermostat Controls Fan.</td>
</tr>
<tr>
<td>Adaptive Recovery 425</td>
<td>Off, On</td>
<td>Adaptive Intelligent Recovery (AIR) is a comfort setting. Heating or cooling equipment will turn on earlier, ensuring the indoor temperature will match the setpoint at the scheduled time.</td>
</tr>
<tr>
<td>Min Cool Temp 430</td>
<td>from Min Cool Temp to Max Cool Temp (50 °F or 10 °C)</td>
<td>The user cannot set the cooling temperature below this level.</td>
</tr>
<tr>
<td>Max Heat Temp 432</td>
<td>from Min Heat Temp to Max Heat Temp (90 °F or 32 °C)</td>
<td>The user cannot set the heating temperature above this level.</td>
</tr>
<tr>
<td>Lock Screen 435</td>
<td>None, Partial, Full</td>
<td>Unlocked: User has access to all thermostat settings. Partially Locked: User can modify only temperature settings. Fully Locked: User cannot modify any settings. Screen will be locked by default and cannot be changed. This code is displayed for a short time when you are about to lock the thermostat screen. Please note the code in a safe place for future reference.</td>
</tr>
<tr>
<td>Indoor Sensor 500</td>
<td>Yes, No</td>
<td>Set this ISU when you want to wire a remote indoor sensor to the “S” terminals on the UWP – see “Wiring” on page 5. This ISU is only displayed when indoor sensor is configured - ISU 500.</td>
</tr>
<tr>
<td>Sensor type 515</td>
<td>10K, 20K</td>
<td>Choose resistance type of wired indoor sensor. This ISU is only displayed when indoor sensor is configured - ISU 500.</td>
</tr>
<tr>
<td>Temperature Control 520</td>
<td>Thermostat, Wired, Average</td>
<td>This ISU is only displayed when indoor sensor is configured - ISU 500. You can choose what temperature source to be used or ask thermostat to use both thermostat and remote sensors for higher accuracy of measurement.</td>
</tr>
<tr>
<td>Air Filters 702</td>
<td>0-2</td>
<td>Choose either calendar or equipment run time based reminder.</td>
</tr>
<tr>
<td>Air Filter 1 Reminder 711</td>
<td>Off</td>
<td>Choose either calendar or equipment run time based reminder.</td>
</tr>
<tr>
<td>Air Filter 2 Reminder 712</td>
<td>Off</td>
<td>Choose either calendar or equipment run time based reminder.</td>
</tr>
<tr>
<td>Hum Pad Reminder 810</td>
<td>Off</td>
<td>Choose either calendar or equipment run time based reminder.</td>
</tr>
<tr>
<td>Dehum Filter Reminder 921</td>
<td>Off</td>
<td>Choose either calendar or equipment run time based reminder.</td>
</tr>
<tr>
<td>#</td>
<td>ISU Name</td>
<td>ISU Options (defaults in bold)</td>
</tr>
<tr>
<td>------</td>
<td>---------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>1000</td>
<td>Vent Type</td>
<td>None, ERV/HRV, Passive, Fresh Air Damper</td>
</tr>
<tr>
<td>1005</td>
<td>Vent Method</td>
<td>ASHRAE 2010, ASHRAE 2013, Percent On Time</td>
</tr>
<tr>
<td>1006</td>
<td>Vent Fan Control</td>
<td>Thermostat, Equipment</td>
</tr>
<tr>
<td>1007</td>
<td>Bedrooms</td>
<td>1 - 6 (2)</td>
</tr>
<tr>
<td>1008</td>
<td>Home Size</td>
<td>1000 - 5000 Sq. Ft. (1000 Sq. Ft.)</td>
</tr>
<tr>
<td>1009</td>
<td>Vent Rate</td>
<td>30 - 350 CFM (in 5 CFM increments) (150 CFM)</td>
</tr>
<tr>
<td>1011</td>
<td>Vent Percent On Time</td>
<td>10% - 100% (30%)</td>
</tr>
<tr>
<td>1012</td>
<td>Vent Priority</td>
<td>Lockouts, ASHRAE</td>
</tr>
<tr>
<td>1013</td>
<td>Low Outdoor Temp</td>
<td>Off, -20 °F to -40 °F (in 5 °F increments) or -28.0 °C to -4.0 °C (in 2 °C increments)</td>
</tr>
<tr>
<td>1014</td>
<td>High Outdoor Temp</td>
<td>Off, 80 °F to 110 °F (in 5 °F increments) or 26 °C to 44 °C (in 2 °C increments)</td>
</tr>
<tr>
<td>1015</td>
<td>High Outdoor Dewpoint Vent</td>
<td>Off, 65 °F to 85 °F (in 5 °F increments) or 18 °C to 30 °C (in 2 °C increments)</td>
</tr>
</tbody>
</table>
## Installer setup options (ISU) – advanced menu

<table>
<thead>
<tr>
<th># ISU</th>
<th>ISU Name</th>
<th>ISU Options (defaults in bold)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1017</td>
<td>Vent Core Reminder</td>
<td>Off, 3, 6, 9, 12 months</td>
<td>This ISU is displayed only if ISU 1000 is set to ERV/HRV.</td>
</tr>
<tr>
<td>1018</td>
<td>Vent Filter Reminder</td>
<td>Off, 3, 6, 9, 12 months</td>
<td>Some systems may have two UV devices, one on the A-Coil and another for Air Treatment. A reminder can be set up for each independently.</td>
</tr>
<tr>
<td>1100</td>
<td>UV Devices</td>
<td>Off, 3, 6, 9, 12 months</td>
<td>Some systems may have two UV devices, one on the A-Coil and another for Air Treatment. A reminder can be set up for each independently.</td>
</tr>
<tr>
<td>1105</td>
<td>UV Bulb 1 Reminder</td>
<td>Off, 6, 12, 24 months</td>
<td>Some systems may have two UV devices, one on the A-Coil and another for Air Treatment. A reminder can be set up for each independently.</td>
</tr>
<tr>
<td>1106</td>
<td>UV Bulb 2 Reminder</td>
<td>Off, 6, 12, 24 months</td>
<td>Some systems may have two UV devices, one on the A-Coil and another for Air Treatment. A reminder can be set up for each independently.</td>
</tr>
<tr>
<td>1401</td>
<td>Idle Brightness</td>
<td>0= Off, 0 - 5</td>
<td>Adjust brightness of an inactive backlight (idle screen) from default 0 to backlight off to 5 (maximum brightness).</td>
</tr>
<tr>
<td>1410</td>
<td>Clock Format</td>
<td>12 hour, 24 hour</td>
<td></td>
</tr>
<tr>
<td>1415</td>
<td>Daylight Saving</td>
<td>On, Off</td>
<td>Sets Off areas that do not follow Daylight Saving Time. The thermostat cannot display up to 3°F (1.5°C) lower or higher than the actual measured temperature.</td>
</tr>
<tr>
<td>1420</td>
<td>Temp Offset</td>
<td>Off, 3°F to 3°C (in 1°F increments) or -1.5°C to 1.5°C (in 0.5°C increments)</td>
<td></td>
</tr>
</tbody>
</table>
Performing a system test

You can test the system setup in ADVANCED MENU under SYSTEM TEST option.

1. Press and hold Menu on the Lyric thermostat for 5 seconds to access ADVANCED MENU options.
2. Touch ‣ or • to go to SYSTEM TEST.
3. Touch Select or touch text area.
4. Touch ‣ or • to select system test type. Touch Select or touch text area.
5. For the heat test and cool test, use ‣ or • to activate each stage of the equipment. For the fan test, use ‣ or • to turn the fan on and off.

**NOTE:** The clock is used as a timer while the stages are running. The Heat On and Cool On indicators are displayed when the system test is running.

Viewing equipment status

You can see the status of thermostat-controlled equipment in the Menu under the EQMT STATUS option.

1. Touch Menu on your thermostat.
2. Touch ‣ or • to go to EQMT STATUS. Touch Select or touch text area.
3. Touch ‣ or • to view statuses of all the equipment the thermostat is controlling. Depending on what feature the thermostat supports or how it was installed, the Equipment Status screen reports data for the following systems:
   - Heating and cooling
   - Fan
   - Ventilation (available on certain models only)
### Troubleshooting

**Screen is blank**
- Check circuit breaker and reset if necessary.
- Make sure power switch at heating and cooling system is on.
- Make sure furnace door is closed securely.

**Screen is difficult to read**
- Change screen brightness in thermostat **Menu**. Increase brightness intensity for inactive backlight of the thermostat screen (max. is level 5).

**Heating or cooling system does not respond**
- Touch **Mode** to set system to Heat. Make sure the temperature is set higher than the Inside temperature.
- Touch **Mode** to set system to Cool. Make sure the temperature is set lower than the Inside temperature.
- Check circuit breaker and reset if necessary.
- Make sure power switch at heating & cooling system is on.
- Make sure furnace door is closed securely.

### Alerts and reminders

Alerts and reminders are displayed via the alert symbol and alert number in the clock area on the home screen. You can read more information about active alerts, snooze or dismiss non-critical alerts in Menu/Alerts.

<table>
<thead>
<tr>
<th>Number</th>
<th>Alert/Reminder</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>164</td>
<td>Heat Pump Needs Service</td>
<td>Heat pump needs service. Contact dealer to diagnose and service heat pump.</td>
</tr>
<tr>
<td>168</td>
<td>Wi-Fi Radio Error</td>
<td>Wireless module is not operating. Wireless features are not available. Please contact dealer to replace the thermostat.</td>
</tr>
<tr>
<td>170</td>
<td>Internal Memory Error</td>
<td>The memory of the thermostat has encountered an error. Please contact dealer for assistance.</td>
</tr>
<tr>
<td>171</td>
<td>Set the Date and Time</td>
<td>Set the date and time on your thermostat. The date and time are required for certain features to operate, like the program schedule.</td>
</tr>
<tr>
<td>173</td>
<td>Thermostat Temperature Sensor Error</td>
<td>The sensor of the thermostat has encountered an error. Please contact dealer to replace the Thermostat.</td>
</tr>
<tr>
<td>175</td>
<td>AC Power Resumed</td>
<td>AC power resumed to thermostat after power loss.</td>
</tr>
<tr>
<td>177</td>
<td>Indoor Temperature Sensor Error</td>
<td>Wired indoor temperature sensor is not connected or there is a wiring short. Please contact dealer for assistance.</td>
</tr>
<tr>
<td>178</td>
<td>Outdoor Temperature Sensor Error</td>
<td>Wired outdoor temperature sensor is not connected or there is a wiring short. Please contact dealer for assistance.</td>
</tr>
</tbody>
</table>
## Alerts and reminders

<table>
<thead>
<tr>
<th>Number</th>
<th>Alert/Reminder</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>181</td>
<td>Replace Air Filter (1)</td>
<td>Replace air filter (1). Reset the timer by touching the &quot;dismiss&quot; button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>182</td>
<td>Replace Air Filter (2)</td>
<td>Replace air filter (2). Reset the timer by touching the &quot;dismiss&quot; button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>183</td>
<td>Clean Humidifier Tank and Replace Water Filter</td>
<td>Clean humidifier tank and replace the water filter, or contact dealer to do this for you. Reset the timer by touching the “dismiss” button on the thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>184</td>
<td>Replace Humidifier Pad</td>
<td>Replace humidifier pad. Reset the timer by touching the “dismiss” button on the thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>185</td>
<td>Replace Dehumidifier Filter</td>
<td>Replace the dehumidifier filter. Reset the timer by touching &quot;dismiss&quot; button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>186</td>
<td>Clean Ventilator Core</td>
<td>Clean ventilator core. Reset the timer by touching the “dismiss” button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>187</td>
<td>Clean or Replace Ventilator Filter</td>
<td>Clean or replace ventilator filter. Reset the timer by touching the “dismiss” button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>188</td>
<td>Replace UV Bulb (1)</td>
<td>Replace UV Bulb (1). Reset the timer by touching the “dismiss” button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>189</td>
<td>Replace UV Bulb (2)</td>
<td>Replace UV Bulb (2). Reset the timer by touching the “dismiss” button on thermostat screen after it is replaced.</td>
</tr>
<tr>
<td>210</td>
<td>Register Online For Outdoor Temperature</td>
<td>Online registration is required to receive outdoor temperature from the Internet. Outdoor temperature is needed for your current system setup. Download the Lyric app to register your thermostat.</td>
</tr>
<tr>
<td>388</td>
<td>Register Online for Remote Access and Outdoor Temperature</td>
<td>Online registration is required for remote access and outdoor temperature. Download the Lyric app to register your thermostat.</td>
</tr>
<tr>
<td>399</td>
<td>No Internet</td>
<td>The connection to the Internet has been lost. Please check your network settings.</td>
</tr>
<tr>
<td>400</td>
<td>No Wi-Fi Signal</td>
<td>The Wi-Fi signal has been lost. Please wait for the thermostat to reconnect or select a new Wi-Fi network. Follow steps in the Lyric app</td>
</tr>
<tr>
<td>508</td>
<td>Wi-Fi Not Configured</td>
<td>Please download the Lyric app and follow the steps to connect thermostat to your Wi-Fi network.</td>
</tr>
</tbody>
</table>
CAUTION: ELECTRICAL HAZARD
Can cause electrical shock or equipment damage. Disconnect power before beginning installation.

CAUTION: EQUIPMENT DAMAGE HAZARD
Compressor protection is bypassed during testing. To prevent equipment damage, avoid cycling the compressor quickly.

CAUTION: MERCURY NOTICE
If this product is replacing a control that contains mercury in a sealed tube, do not place the old control in the trash. Contact your local waste management authority for instructions regarding recycling and proper disposal.

Specifications

Temperature Ranges
Heat: 40 °F to 90 °F (4.5 °C to 32.0 °C)
Cool: 50 °F to 99 °F (10.0 °C to 37.0 °C)

Operating Ambient Temperature
37 °F to 102 °F (2.8 °C to 38.9 °C)

Shipping Temperature
-20°F to 120°F (-28.9 °C to 48.9 °C)

Operating Relative Humidity
5% to 90% (non-condensing)

Physical Dimensions in inches (mm) (H x W x D)
Lyric T6 PRO Wi-Fi Thermostat (TH6320WF2003):
4-5/64 x 4-5/64 x 1-1/16 (104 x 104 x 27)
Lyric T6 PRO Wi-Fi Thermostat (TH6220WF2006):
4-5/64 x 4-5/64 x 1-1/6 (104 x 104 x 27)
UWP Mounting System (THP2600A1009):
2-9/32 x 2-13/64 x 2-43/64 (58 x 56 x 10)
Standard Installation Adapter (THP2400A1076):
3-29/32 x 3-57/64 x 21/32 (99 x 99 x 17)
Decorative Cover Plate – Small (THP2400A1050):
4-49/64 x 4-49/64 x 11/32 (121 x 121 x 9)
Decorative Cover Plate – Large (THP2400A1068):
6-7/64 x 6-7/64 x 9/32 (155 x 155 x 7)

Electrical Ratings

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Voltage (50/60Hz)</th>
<th>Running Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>20-30 Vac</td>
<td>0.02-1.0 A</td>
</tr>
<tr>
<td>(Powerpile)</td>
<td>750 mV DC</td>
<td>100 mA DC</td>
</tr>
<tr>
<td>W2 (Aux)</td>
<td>20-30 Vac</td>
<td>0.02-1.0 A</td>
</tr>
<tr>
<td>E</td>
<td>20-30 Vac</td>
<td>0.02-0.5 A</td>
</tr>
<tr>
<td>Y</td>
<td>20-30 Vac</td>
<td>0.02-1.0 A</td>
</tr>
<tr>
<td>Y2</td>
<td>20-30 Vac</td>
<td>0.02-1.0 A</td>
</tr>
<tr>
<td>G</td>
<td>20-30 Vac</td>
<td>0.02-0.5 A</td>
</tr>
<tr>
<td>O/B</td>
<td>20-30 Vac</td>
<td>0.02-0.5 A</td>
</tr>
<tr>
<td>L/A</td>
<td>20-30 Vac</td>
<td>0.02-0.5 A</td>
</tr>
<tr>
<td>U</td>
<td>20-30 Vac</td>
<td>0.02-0.5 A</td>
</tr>
</tbody>
</table>

Power Consumption
Backlight On: 1.48VA
Backlight Off: 0.88VA

5-year limited warranty
For Warranty information go to http://customer.honeywell.com

Regulatory information

FCC REGULATIONS § 15.19 (a)(3)
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation.

IC REGULATIONS RSS-GEN
This device complies with Industry Canada's license-exempt RSSs.

Operation is subject to the following two conditions:
1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FCC Warning (Part 15.21) (USA only)
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Automation and Control Systems
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http://customer.honeywell.com

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