PTCS Heat Pump Thermostat Support Sheet

Manufacturer: Honeywell

Thermostat Models: Lyric T6 Pro TH6320WF2003, TH6220WF2006

Caution, entering installer set-up mode may result in altering settings
Do not select "Reset" at any time or thermostat will be reset to factory settings

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Is a Password Required? No

1.   How to enter installer set-up

    a. Press and hold "Menu" for 5 seconds
    b. You are now in the advanced menu and should see "Device Setup" displayed
    c. Press "Select"
    d. You are now in the installer set-up (ISU)

2.   Determine system characteristics through T-Stat

    a. From the installer set-up, scroll through the ISU menu by pressing **< and >**. **Note: refrain from pressing "Edit" as this will change the settings**
    b. ISU 200 should be set to "Heat Pump"
    c. ISU 220 indicates number of compressor stages
    d. ISU 221 indicates the number of AUX/E stages

3. Check Compressor Lockout settings

    a. From the installer set-up, scroll through the ISU menu by pressing **< and >**. **Note: refrain from pressing "Edit" as this will change the settings**
    b. Scroll through until ISU 130 is displayed, referred to as Outdoor Temp
    c. Must be set to "Wired" indicating a wired outdoor sensor is installed or "Internet" indicating a Wi-Fi connection is used for outdoor temperature. "No" means no outdoor temperature sensing capabilities are enabled and does not meet spec. If a Wi-Fi connection is being used, ensure a Wi-fi icon is displayed in the upper right-hand corner. If no icon is displayed or there is an "X" beside it, the connection is disconnected or isn't set up. This causes the lockout settings to be disabled and does not meet spec
    d. Scroll through until ISU 355 is displayed, referred to as the Balance Point
    e. ISU 355 must be set to "Off", or 5 degrees or less to meet spec

4. Check Strip Heat settings

    a. After verifying compressor lockout in step 3, press **< and >** to scroll until ISU 356 is displayed, referred to as Aux Heat Lock Out. **Note: refrain from pressing "Edit" as this will change the settings.** If ISU 356 is not listed as an option, strip heat lockout is not configured and does not meet spec
    b. Verify temperature is set to 35 degrees or less to meet spec. If set to "Off", strip heat lockout is disabled and does not meet spec. Note that ISU 130, Outdoor Temp, must be configured properly as described in step 3c or strip heat lockout will not function
    c. Press "Back" to return to the advanced menu

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5. Access Test Mode for testing system at full capacity

a. From the advanced menu accessed in steps 1a – 1b, press **<** and **>** to scroll through the advanced menu until "System Test" is displayed
b. Press "Select" to enter test mode
c. Press **<** and **>** to scroll through the various tests:
    A. <u>Heating mode:</u> scroll until "Heat Test" is displayed and press "Select". Press **+** until the highest available compressor stage is displayed. Timer will begin to count as test proceeds. **Do not scroll past the highest available heat stage of the compressor. This will cause strip heat to come on**
    B. <u>Cooling mode:</u> scroll until "Cool Test" is displayed and press "Select". Press **+** until the highest available compressor stage is displayed. Timer will begin to count as test proceeds
    C. Wait at least 10 minutes before taking static pressure readings and inserting flow plate for TrueFlow plate test. Listen to ensure fan has staged up completely
    D. Wait at least 20 to 25 minutes before doing temperature split readings for refrigerant test. The longer the system is allowed to run, the more likely it will reach a steady state. **System test automatically times out after 30 minutes of inactivity**

6. Exit Test Mode

a. System test automatically times out after 30 minutes of inactivity. Test mode runs for 30 minutes by default
b. To cancel test, press "Done". Press "Back" to return to the advanced menu

7. Exit Set-Up Mode

a. From the advanced menu, press "Back" to return to the home screen
b. If left alone, system set-up automatically times out after 30 minutes of inactivity and returns to original settings

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Resources: Honeywell Technical Support: 1-800-468-1502
Source: https://forwardthinking.honeywellhome.com/related_links/thermostats/tseries/Lyric_T6_Pro_Wi-Fi_Professional_Install_Guide_-_33-00153.pdf