



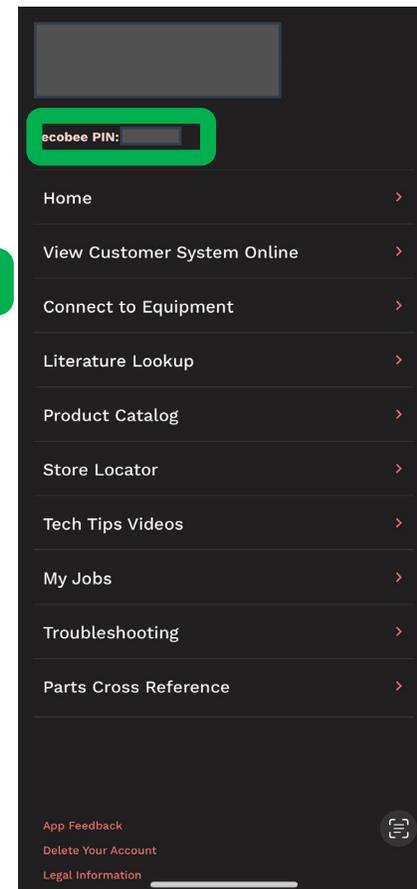
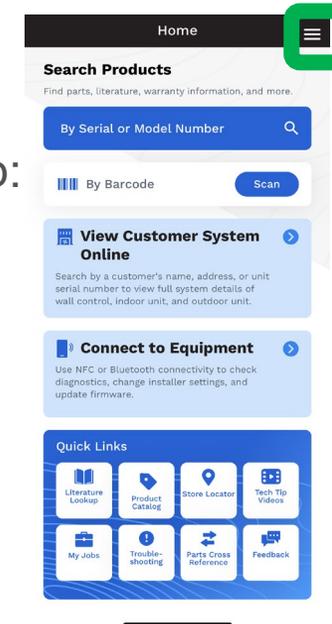
ECOBEE 6/ FT4 WITH 1&2 STAGE HP

Mingledorff's Technical Service

04/10/2024

INTELISENSE™

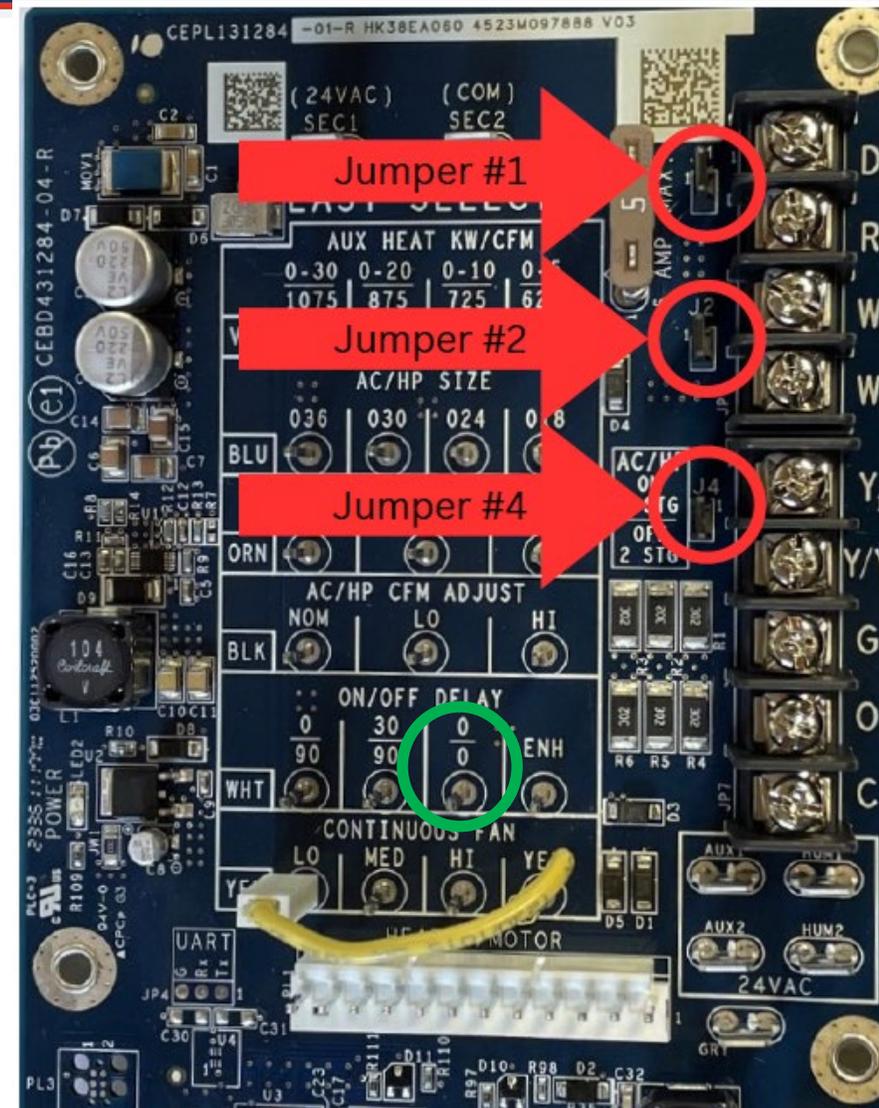
- This slide is for utilizing **InteliSense™**
 - If not utilizing **InteliSense™** please disregard this slide
 - REQUIRES CO-Branded eligible Ecobee 3L or 6
- Install both the Supply and Return Air Thermistor sensors
 - Land the wires on the appropriate terminals on the FT4 board: RAT & SAT
- Access the Bryant/Carrier Service Tech APP (shown below)
 - Login with HVACpartners.com credentials
 - When prompted by Ecobee for “PIN” in step #4, enter the PIN from the app:



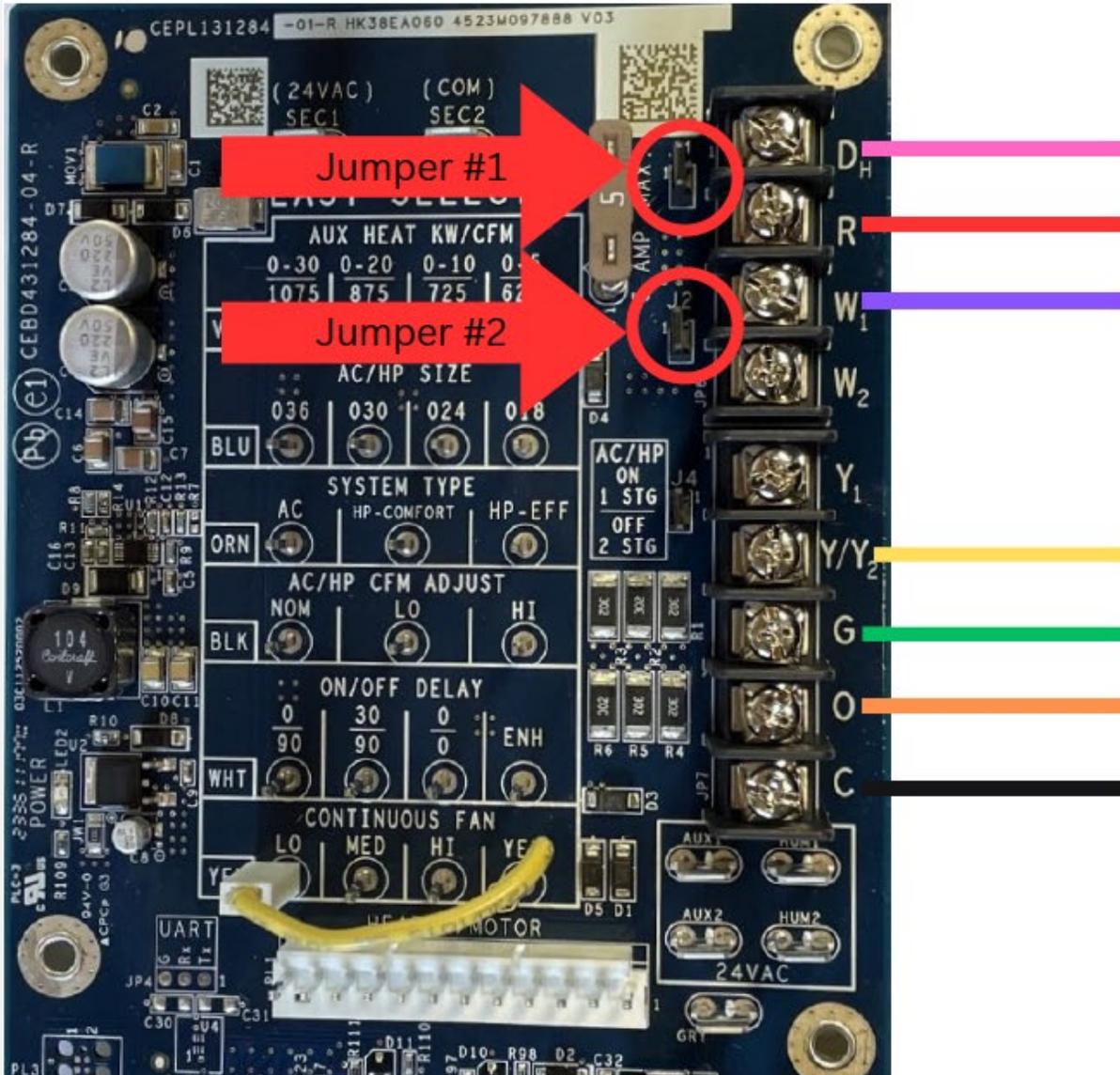
JUMPER LOCATIONS AND DESCRIPTIONS

- Jumper #1
 - Removal allows airflow reduction for de-humidification
- Jumper #2
 - Removal allows for 2 separate electric heat inputs (W1&W2)
- Jumper #4
 - Removal allows for two speed operation (Y/Y2 & Y1)
- Move white wire for On/off Delay to 0/0. Shown in Green Circle.

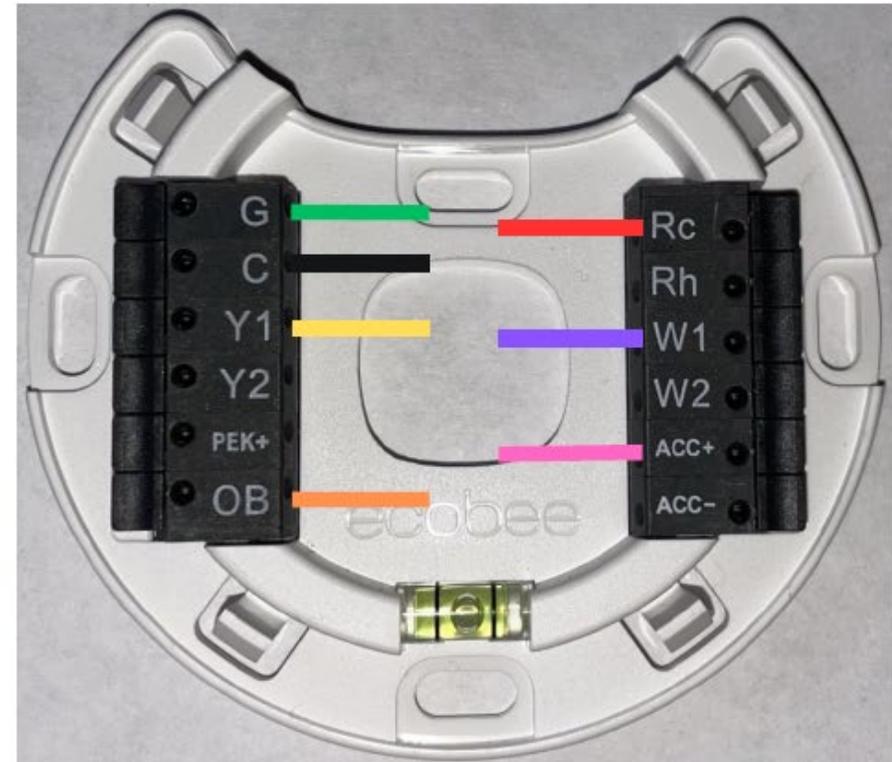
- Jumper closeup:



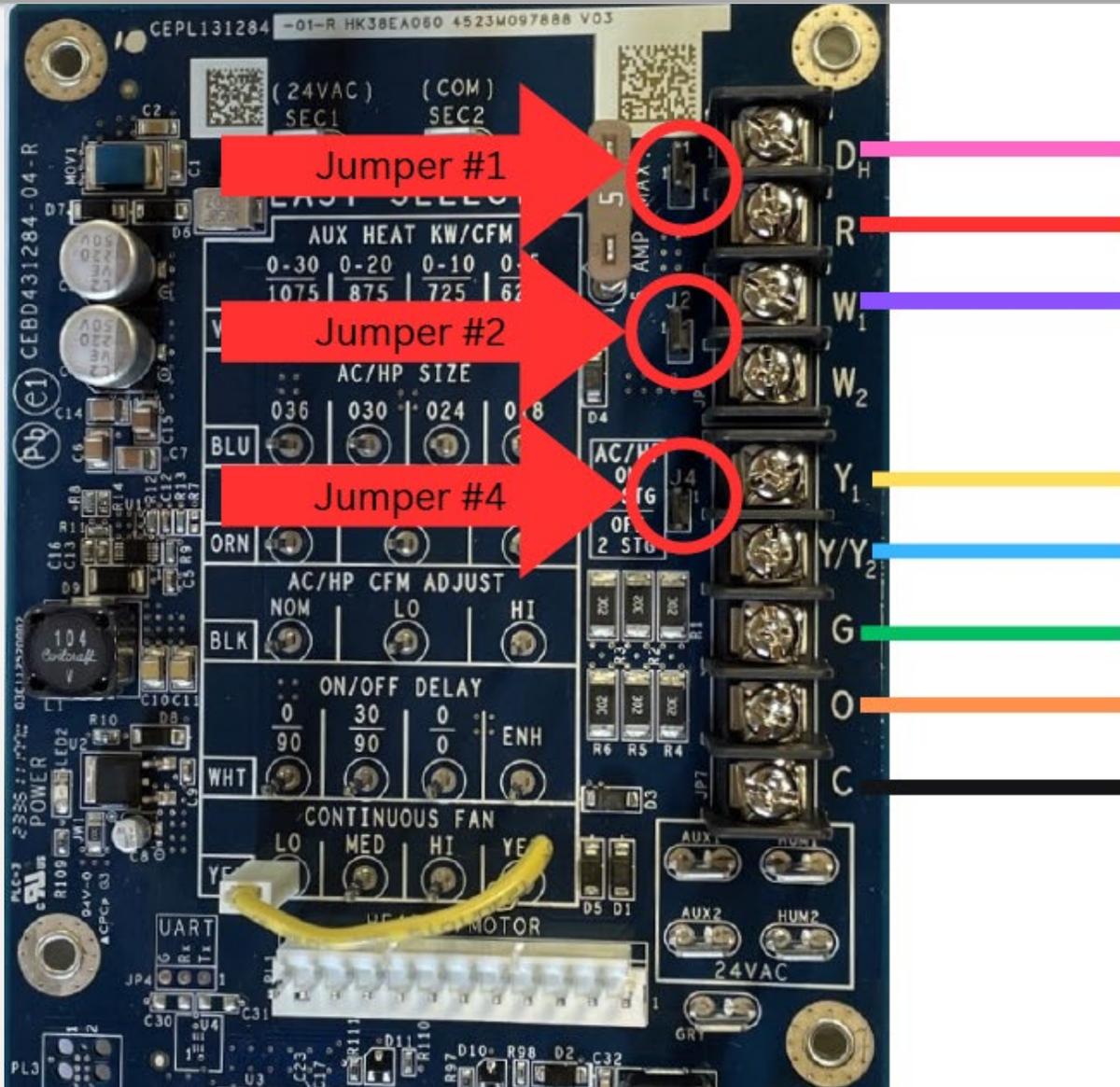
WIRING FOR 1 STAGE



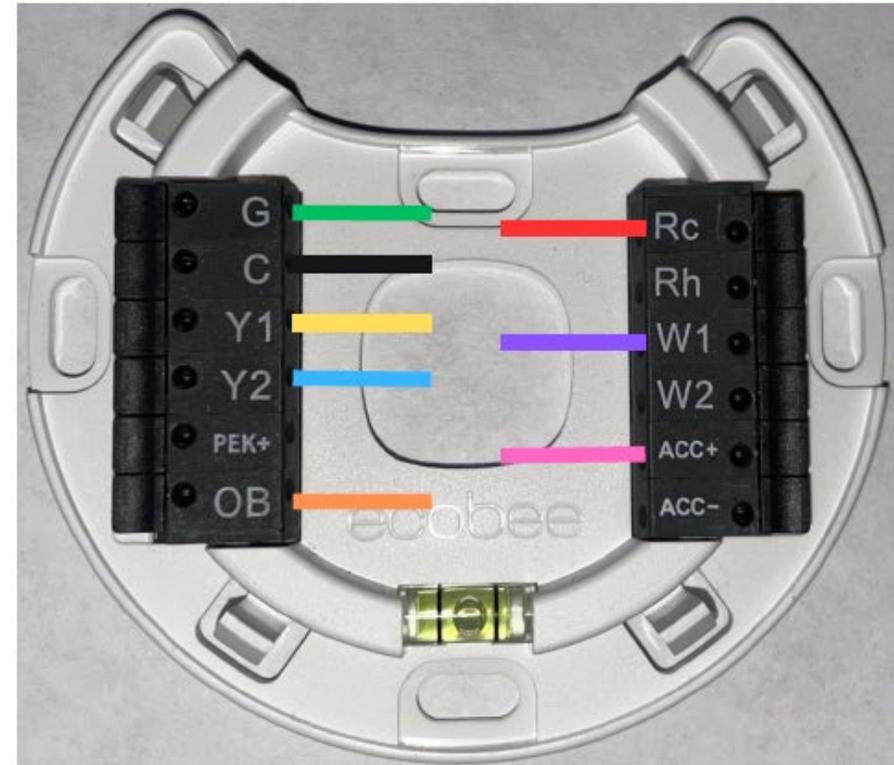
- For dehum remove J1 jumper
- For 2 AUX heat stages remove J2 Jumper



WIRING FOR 2 STAGE



- For dehum remove J1 jumper
- For 2 AUX heat stages remove J2 Jumper
- For 2 stage outdoor units remove J4 Jumper



ACCESS SETUP SCREENS

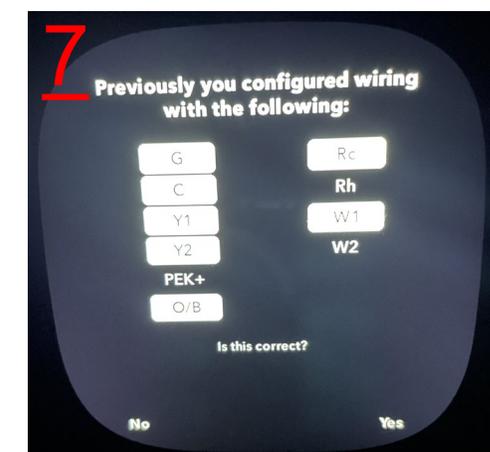
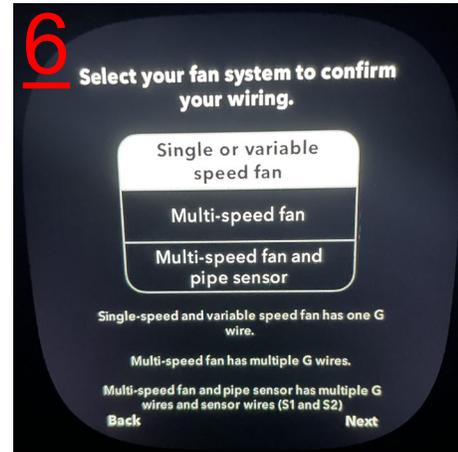
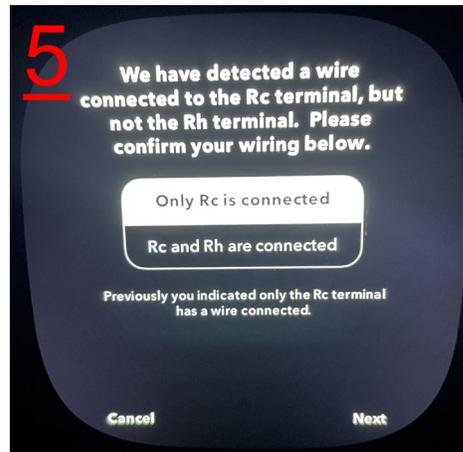
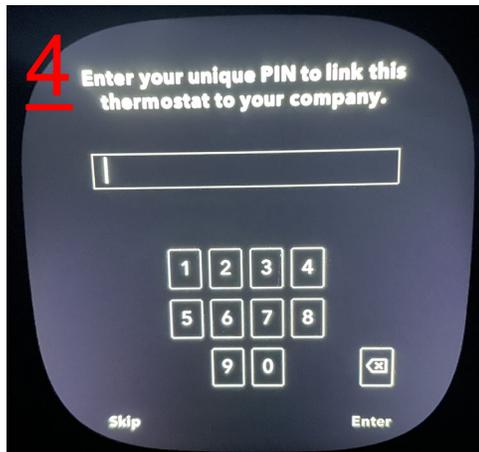
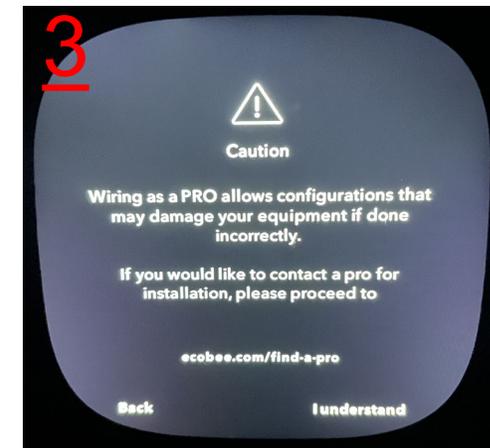
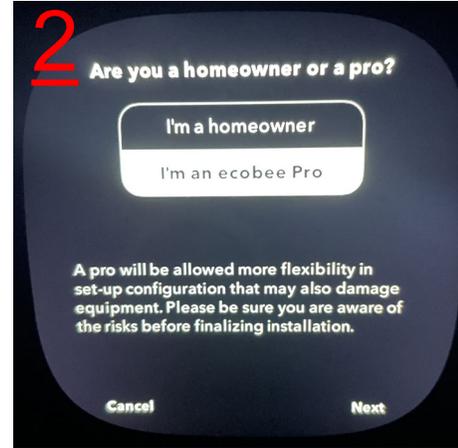
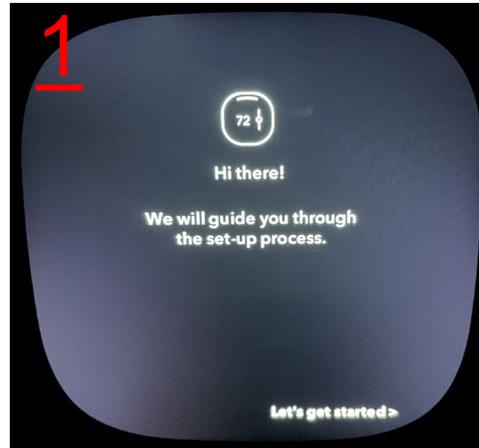
- On FIRST power up, thermostat starts the setup process on the (Hi there/ Let's get started>) screen.
- If the thermostat has already been “programed”, to return to the setup screens needed click:
 - (3 Lines in top right), Gear Cog, Setting, Installation Setting, Equipment, Reconfigure Equipment.





SETUP-FIRST POWER UP

1. Let's get started
2. I'm an Ecobee pro
3. I understand
4. Skip/ enter your pin
5. Only RC
6. Single or Variable
7. Wire selection/
If not correct choose
No/ and modify.

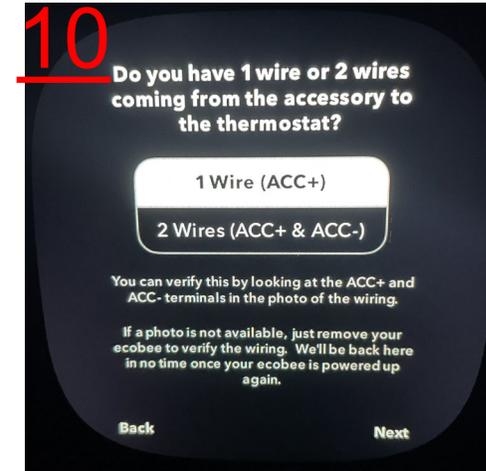




SETUP-FIRST POWER UP CONTINUED

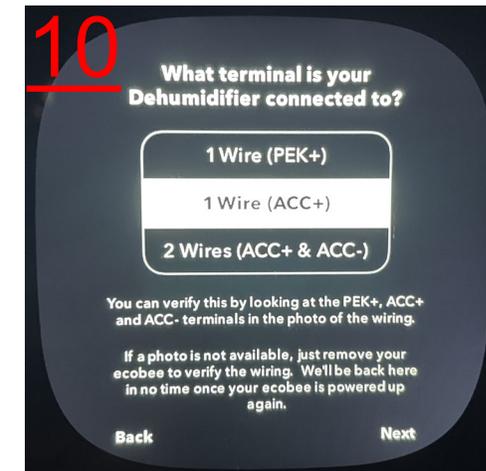
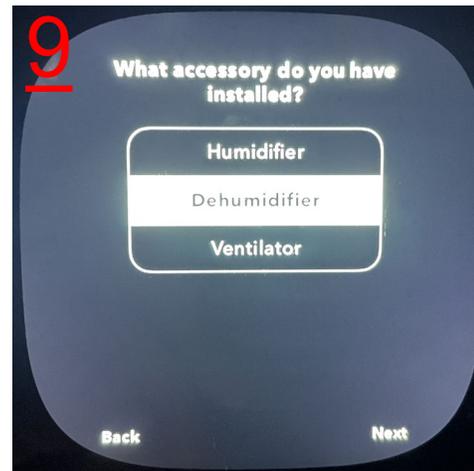
LEGACY SOFTWARE

- 8. <Not Relevant>
- 9. Dehumidifier
- 10. 1 Wire (ACC+)



UPDATED SOFTWARE

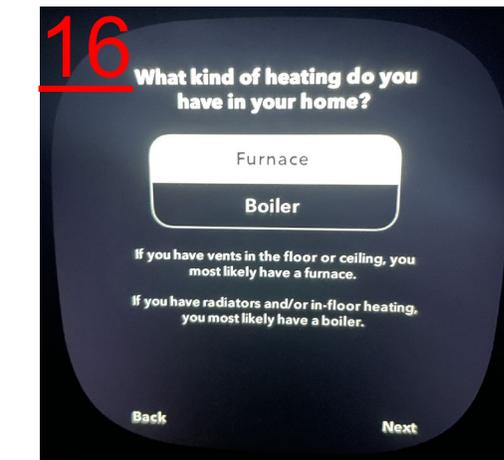
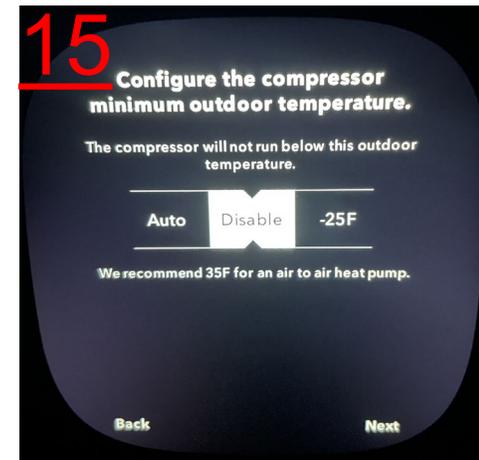
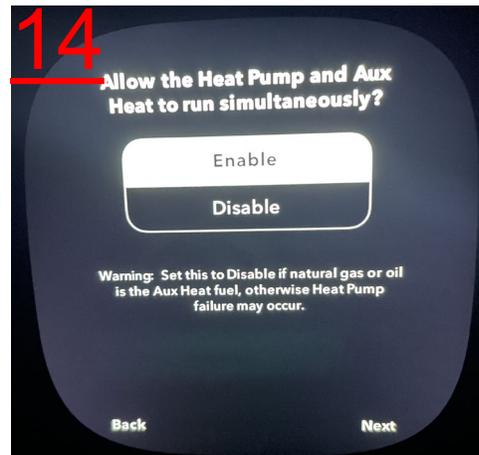
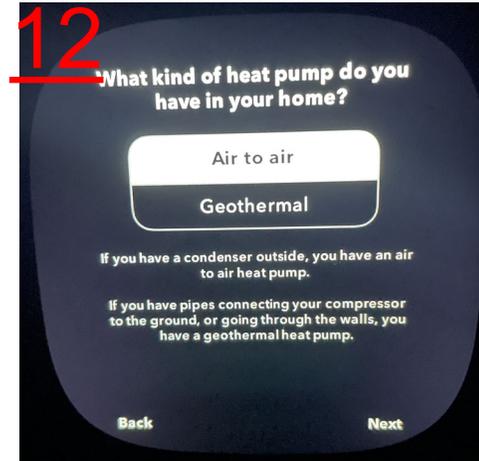
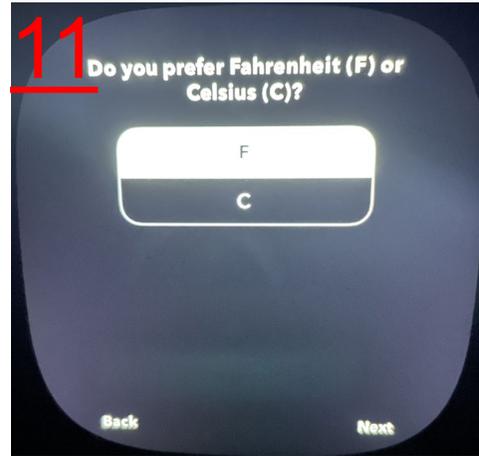
- 8. I Have One Accessory
- 9. Dehumidifier
- 10. 1 wire (ACC+)





SETUP-FIRST POWER UP CONTINUED

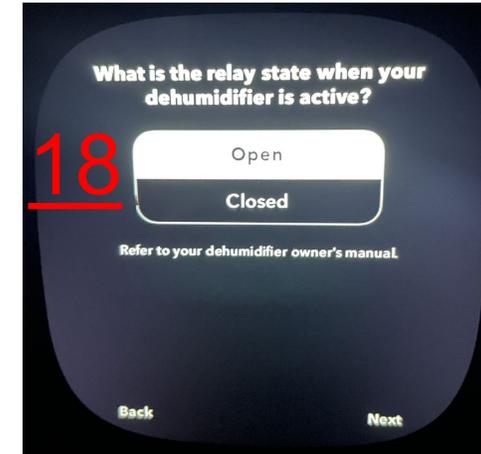
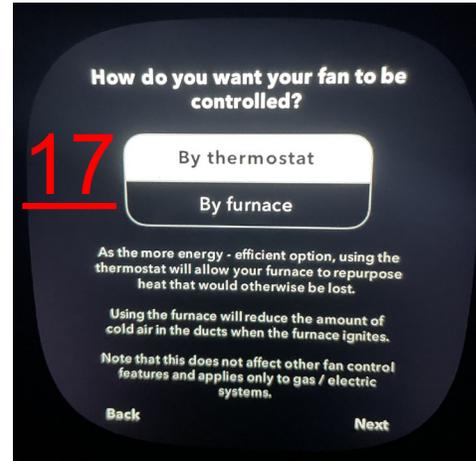
- 11. Fahrenheit
- 12. Air to Air
- 13. On Cool
- 14. Enable
- 15. Disable
- 16. Furnace





SETUP-FIRST POWER UP CONTINUED

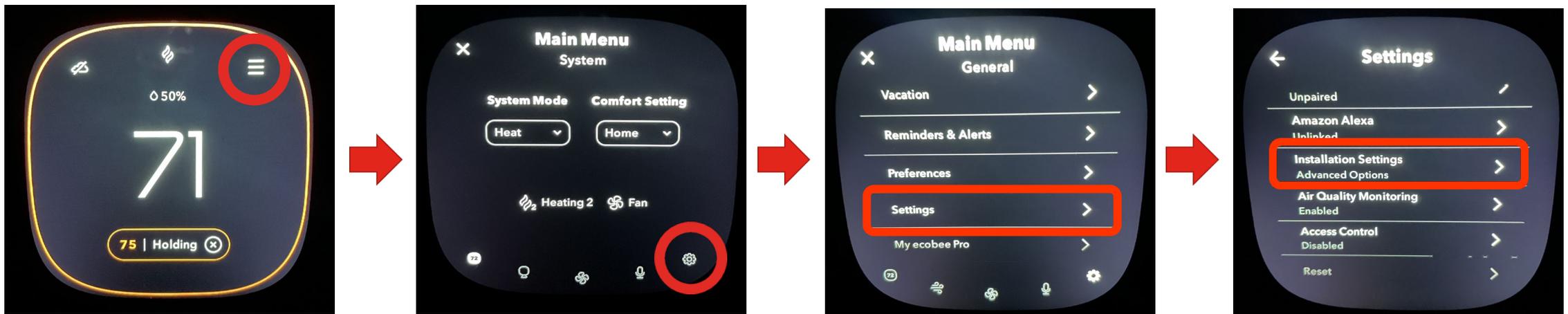
17. By thermostat
18. Open
19. The rest will be Naming thermostat, Pairing sensors, Wi-Fi, Setting Mode & temperatures, Setting time, Finish.



Now, the next screens will help Setup the thermostat to control For Customer Comfort.

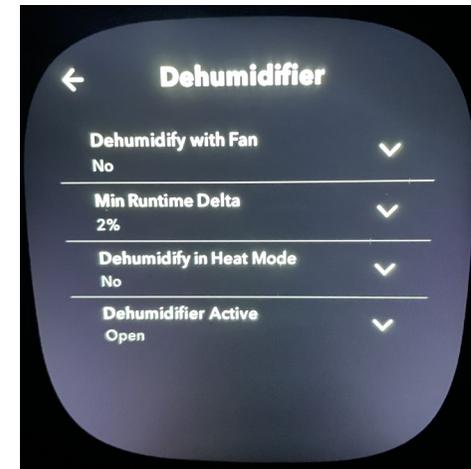
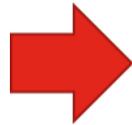
ACCESSING INSTALLATION SETTINGS

- Begin by pressing the 3 lines, Gear, Settings, Installation Settings.
- The next few pages will begin from the “Installation Settings” screen.
- After following this flow, proceed to the following pages to make needed changes.



PARAMETERS-DEHUM

- From Installation Settings screen, See Flow Below
 - Within equipment> select Dehumidifier.
1. Change Dehum with fan to NO
 2. Change Min Runtime Delta from 5% to 2%



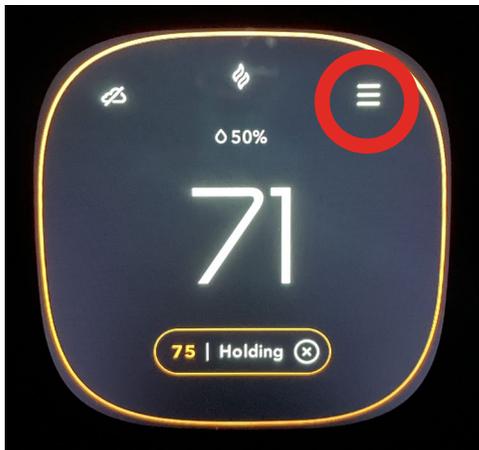
PARAMETERS-STAGING

- From Installation Settings screen, See screen to the right
- Within the Thresholds
 1. Configure Staging- Change to Manually
 2. Aux heat max outdoor temp-Change to 40f-50F
 3. AC Overcool Max- Change from 1F-3F
 4. Compressor Reverse Staging- Change to ON for 2 stage equipment
 5. Compressor Stage 2 Temp delta- Change to 1F (if equipped)
 6. Compressor to Aux Temp Delta- Set: 2F for 2 stage and 1F for 1 stage equipment



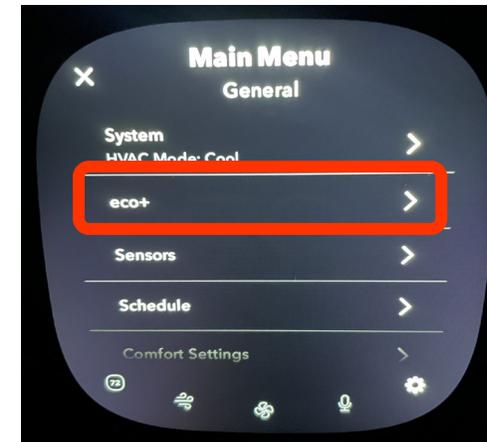
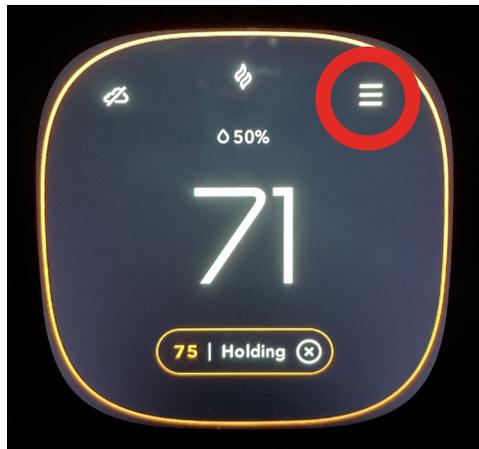
HOLD PREFERENCE

- Use the flow chart below to access the Hold Action
- Make the change that best suits the customers needs.



DISABLING ECO+

- What is eco+ ?
 - It will allow the thermostat to sense occupancy. When motion is not detected, thermostat will allow room to deviate from setpoint.
- change eco+ from Enable to Disable



DEHUMIDIFICATION SEQUENCE OF OPERATION

- Installing the Ecobee 6 on a FT AHU does not turn it into a Dehumidification machine; however, it does give the ability to lower the airflow when there is a call for cooling to provide a colder coil. This allows the unit to remove more moisture from the space during a cooling call.
- When the DH terminal is deenergized on the AHU, it will provide ~20% less airflow of which ever stage it is running (Y1, Y/Y2)
- When dehum is required, the DH/ACC+ terminals will DE-energize and the Ecobee will wait for a cooling call
- With a demand for dehum alone, the unit will not turn on; UNLESS the Ecobee is utilizing the “AC Overcool Max” feature
- **dehumidifying/lowering the humidity in a space is variable to how much moisture is penetrating the space.*

DISCLAIMER

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THANK YOU