

1. DEMAND OUTPUTS

7, 8: Demand Signal 1: Apply a heat demand from a dry contact, or 24VAC.
9, 10: Demand Signal 2: Apply a cool demand from a dry contact, or 24 VAC.

2. SENSOR INPUTS

11, 13: Hot Tank temperature in dual tank mode, or Tank Temperature in single tank mode
12, 13: Cold Tank temperature. If the cold tank sensor is not connected, the control assumes single tank operation. If connected, the control will operate in dual tank mode.
14, 16: Outdoor temperature
15, 16: Used for DHW or setpoint

3. STAGING OUTPUTS

1, 2: Heat pump 1 output
3, 4: Heat pump 2 output
5, 6: Heat pump 3 output
7, 8: Heat pump 4 output or backup boiler

5. RELAYS

9, 10: Relay 1: Can be used as a system pump, hot tank pump, cold tank pump.
11, 12: Relay 2: Can be used as a system pump, hot tank pump, cold tank pump.
13, 14: Relay 3: Used as a Reversing Valve and/or 3 way diverting valves.

6. INPUT POWER

15, 16, 17: This input is to power the ECO-0600. 0.25 Amps at 120 VAC is required to power this device



SensorLinx™ Mobile App

The Sensorlinx™ mobile app is available for Apple iOS (APP Store) and Android® devices (Google Play). The mobile app allows for remote monitoring and control for HBX Controls devices.

Now available on the Apple App Store and Google Play



HAVING TROUBLE CONNECTING?



WI-FI

Devices must be connected to a 2.4Ghz network

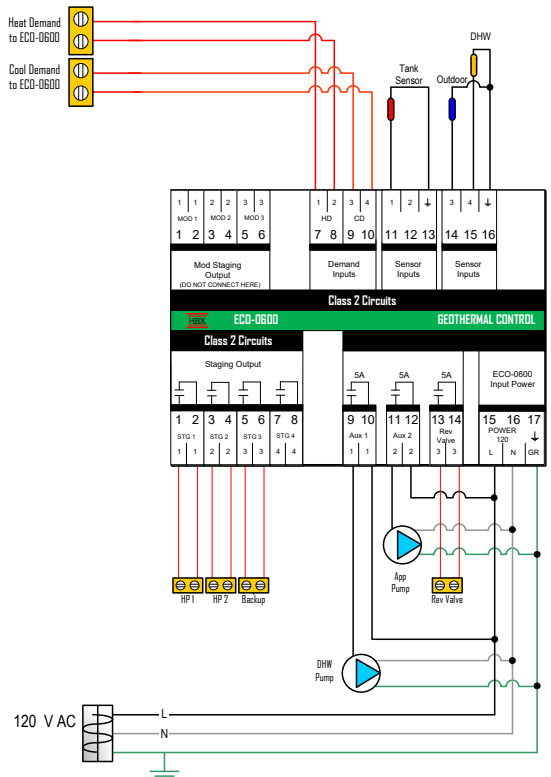
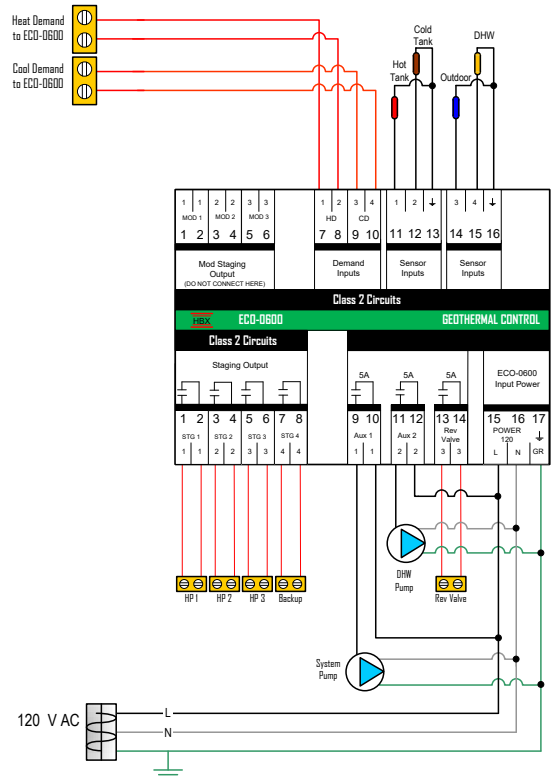


NETWORKING

Verify that outgoing port 1600 is not blocked on the network or router

WIRING EXAMPLES

ISSUE	POSSIBLE CAUSES & RESOLUTIONS
Heat Pumps shut off all at the same time	<ul style="list-style-type: none"> Check OFF Staging options
Heat pumps not rotating	<ul style="list-style-type: none"> Check rotation settings
System pump always running	<ul style="list-style-type: none"> Control is wired for permanent heating (pins 7-8) or cooling (pins 9-10) demand.
Control won't go into heating or cooling	<ul style="list-style-type: none"> Check if there is a demand on pin 7-8 (HD) and pins 9-10 (CD). Check WWSD and CWSD settings
Heat pumps shutting off on high/ low pressure	<ul style="list-style-type: none"> Check hot tank or cold tank setpoints. Make sure they do not exceed recommend heat pump limits.
Heat pumps cycling too frequently	<ul style="list-style-type: none"> Check tank differential settings Check heat pump lag time
Backup boilers not coming on	<ul style="list-style-type: none"> Check wiring Check backup settings. Ensure one backup setting is not set to off.
Backup boiler taking too long to come on	<ul style="list-style-type: none"> Check backup settings
No heat or Cool call	<ul style="list-style-type: none"> Check demand inputs on pins (7-8) or pins (9-10) Make sure control is not in WWSD/ CWSD
Control not coming out of CWSD/ WWSD	<ul style="list-style-type: none"> Check the CWSD/WWSD time
Abnormal tank target	<ul style="list-style-type: none"> Check outdoor reset settings
Cold tank not showing on control display	<ul style="list-style-type: none"> Check cold tank sensor is connected on pins (11-13)
Outdoor Sensor displays dashes on control display	<ul style="list-style-type: none"> Check outdoor sensor is connected on pins (14-16)
Heat pump(s) in not turning on	<ul style="list-style-type: none"> No heat/cool demand Control is WWSD/CWSD
System pump is not turning on	<ul style="list-style-type: none"> No heat/cool demand
Reversing valve is not turning on	<ul style="list-style-type: none"> Control is CWSD No cool demand
No power	<ul style="list-style-type: none"> Check wiring on pins 15,16,17
Can't connect to Wi-Fi	<ul style="list-style-type: none"> Verify SSID and password Must connect to the 2.4 GHz network Ensure port 1314 is open Check Wi-Fi connection strength



Need Help?

Call Tech Support Toll Free:
1 (855) 410-2341
support@hbxcontrols.com

