



Abbreviated Installation Manual

A full installation
manual can be
found here:



1.1. Before You Begin

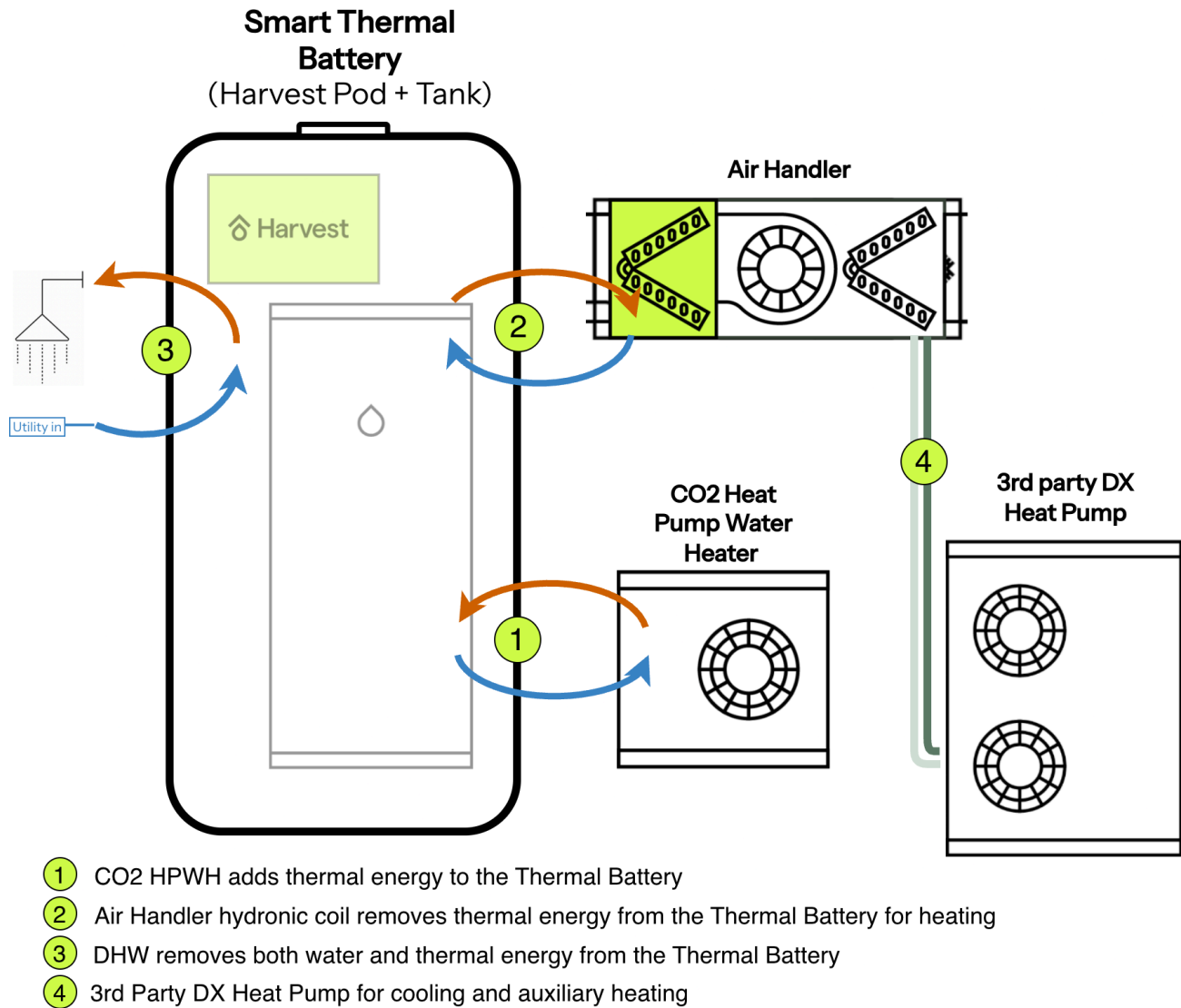
i Always check for the most up-to-date installation information, which can be found at <http://docs.harvest-thermal.com/>. Similarly, all SANCO2 installation material provided in this manual is for convenience only. Refer to SANCO2 for the most up-to-date and complete installation information of the SANCO2 Heat Pump Water Heater and tank.

A full installation manual can be found here:

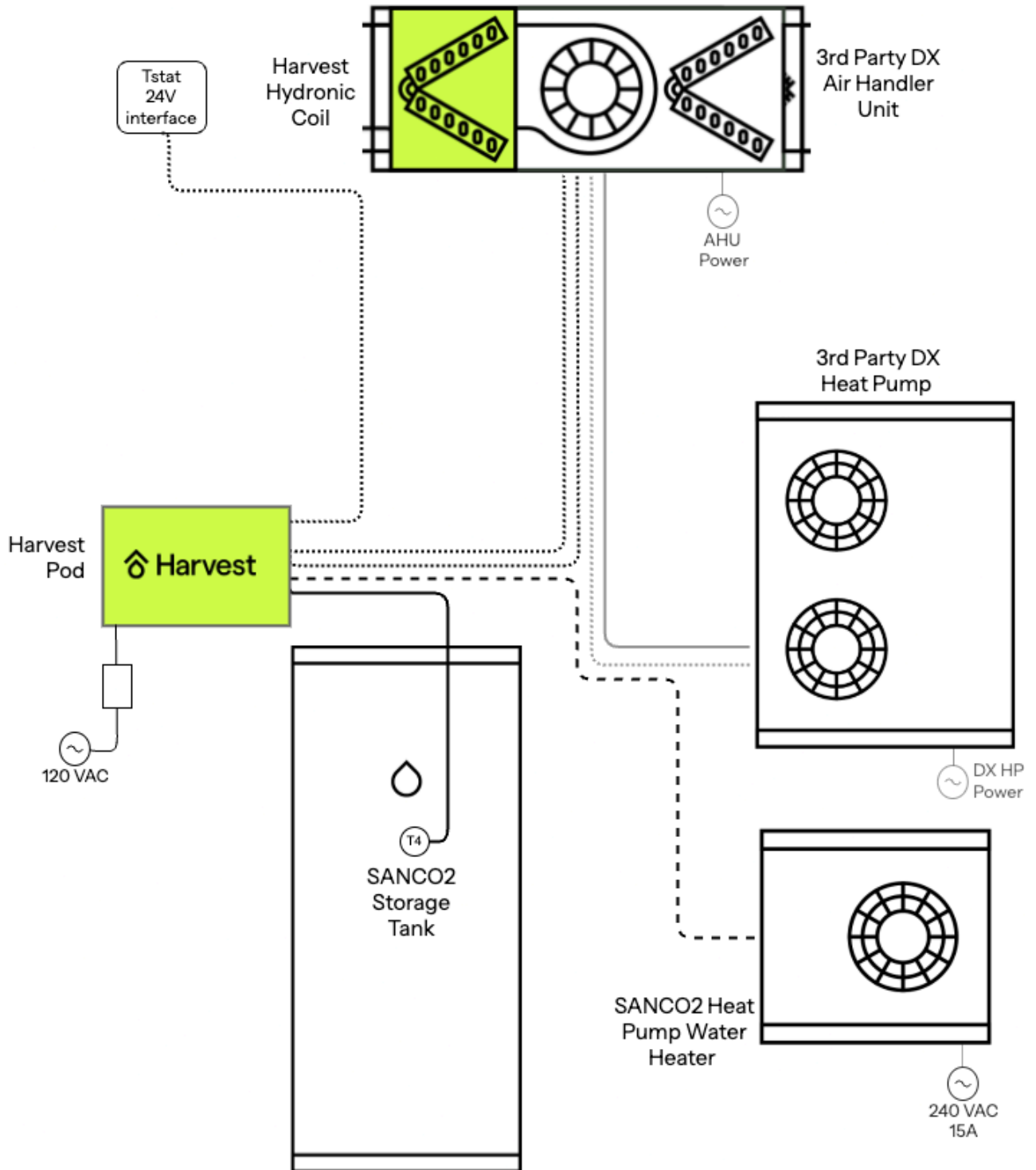


System Overview

Plumbing Overview



Wiring Overview



Compatibility

Harvest Open is compatible with:

Any third-party DX heat pump with 24-volt controls for cooling and supplemental heat

Any third-party heat pump that enables setting fan speeds

Modbus-based CO2 single-pass heat pump water heaters and tanks for hydronic heating and hot water

Up to two thermal storage tanks

On-demand hot water recirculation pumps

Solar PV, batteries, smart electric panels (not required)

Harvest Open is NOT compatible with:

Continuous or timer-controlled hot water recirculation pumps

Solar thermal integrated with the Harvest system

Refer to [Harvest Open Technical Specifications](#) for equipment specifications and to aid in full system design.

Safety

Danger

HAZARD WARNINGS: These symbols call attention to warnings, electric shock hazards, and gas hazards respectively, and directions that must be followed for safety reasons.

Danger

WARNING: The installation manual instructions are intended as an aid to qualified service personnel for proper installation, adjustment and operation. Read these safety requirements thoroughly before attempting installation or operation. It is the responsibility of the installer to follow all national codes, standards and local ordinances. The installation must comply with regulations of the local building, heating, plumbing, and other codes. where local codes are not applicable, the installation must comply with the national codes and any and all authorities having jurisdiction. Failure to follow these requirements may result in improper installation, adjustment, service or maintenance, possibly resulting in fire, electrical shock, carbon monoxide poisoning, explosion, property damage, personal injury or death.

Danger

California Proposition 65 WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

Safety Requirements

General

Danger

ELECTRICAL SHOCK HAZARD: Confirm all circuits are de-energized before performing any wiring activity

Heat Pump/Tank

Caution

WARNING: Use caution when installing heavy equipment. To avoid injury, follow the manufacturer's installation instructions regarding all safety protocols.

Air Handler/Hydronic Coil

Caution

WARNING: Do not operate the air handler system without filters for extended periods. A portion of the dust entrained in the air may temporarily lodge in the air duct runs and at the supply registers. This residue can soil ceilings, walls, drapes, carpets, and other household articles.

Caution

WARNING: Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing. Failure to follow this warning may result in personal injury.

Radio Interference

Caution

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet of on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Harvest Thermal

<https://www.harvest-thermal.com/>

declare under our sole responsibility that the product

Harvest Pod

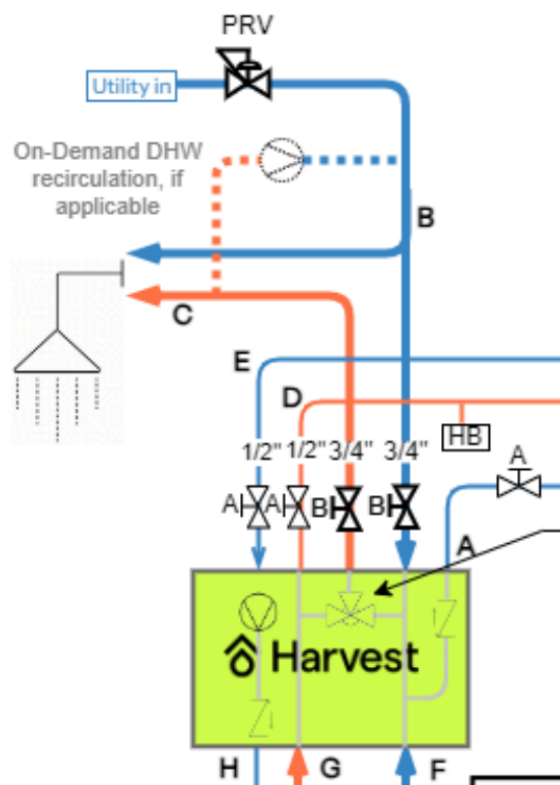
complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation

Integrating DHW recirculation

On-demand DHW recirculation can work with a Harvest Thermal Battery system.

As shown in the [Plumbing System Diagram](#), a DHW recirculation pump must be connected “outside” of the Harvest Pod Thermal Battery system, between the utility cold water coming into the Pod (B) and the DHW exiting the Pod (C).



Danger

WARNING: Always-On and Timer-Based DHW recirculation systems will destratify the storage tank and cripple the Thermal Battery system operation. ONLY use On-Demand DHW recirculation.

Here are some examples of on-demand DHW recirculation systems that work well with the Harvest Thermal Battery System.

For homes with a dedicated return line:

[Smart Aquastat Control 32](#), from Leridian Dynamics, is a controller that will sense when a DHW call is made and turn on the pump. This means that a short use of any hot water tap is equivalent

to pushing a button to start the recirculation pump. Choose a recirculation pump that will move 2-4 gpm of water, so that once a hot water tap is initially turned on and off, water is recirculated as quickly as possible.

Smart Aquastat 32 Controller Settings

- Temperature Range: 80F - 90F. When the temperature is below 80F at the recirculation pump, the pump will turn on when triggered by the flow sensor, and will then turn off when the temperature reaches 90F at the recirculation pump.
- Max Pump Run Time: 3 min. It rarely takes longer than 3 minutes to circulate water in the dedicated return line, and this setting helps to minimize any issues if the temperature sensor is not reading accurately.

Instructions on how to reconfigure a Smart Recirculation Control 32 as a Smart Aquastat Control 32

- The firmware can be updated via the smartphone app
 - Start the app and connect to your controller
 - There is a Firmware menu button at the bottom right of the app.
 - There is an option on the firmware update screen to “Show All Firmware Versions” which will display the firmware from our entire product line.
 - Select the Smart Aquastat 32 firmware and install that.
- One of the temperature sensors needs to be disconnected.
 - There are two temperature sensors plugged into an RJ-14 splitter.



Disconnect the temperature sensor that is on the plumbing line C, coming out of the Pod.

The remaining temperature sensor should be on the dedicated return line right next to the recirculation pump.

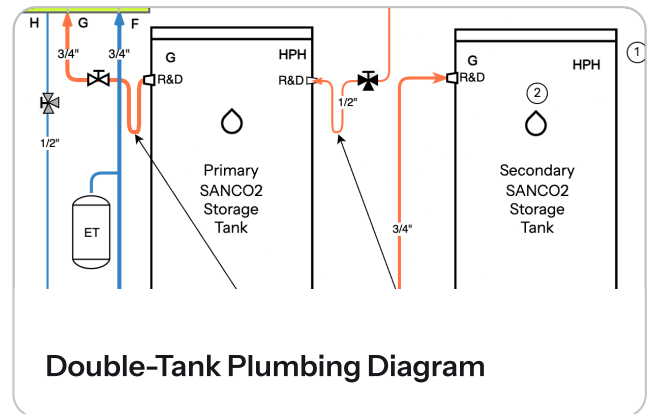
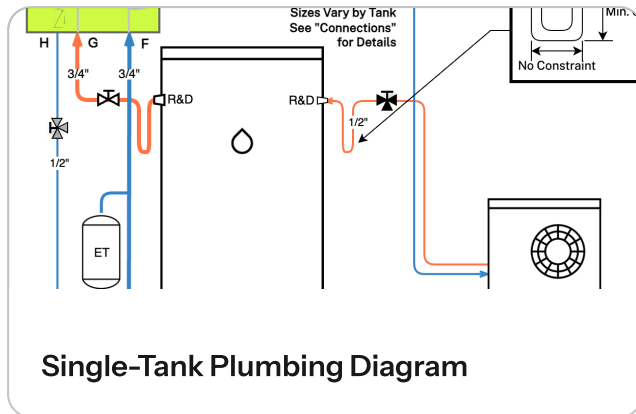
- Follow the instructions above to apply the right Settings for the Smart Aquastat 32 Controller

For homes without a dedicated return line

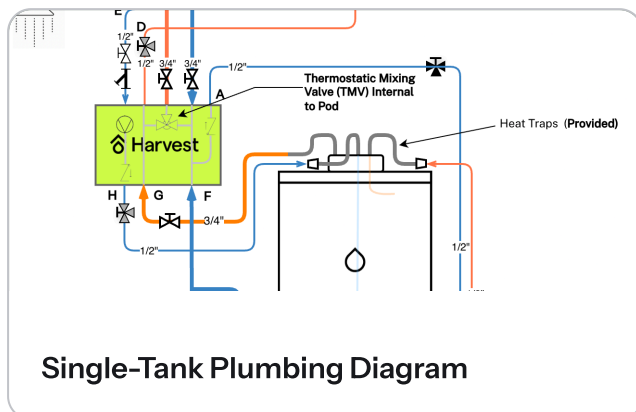
The [Smart Thermostatic Control](#), from Leridian Dynamics, is good option for an on-demand recirculation pump which works with the included high flow cross-over valve kit which gets installed under a remote kitchen or bath fixture.

Plumbing

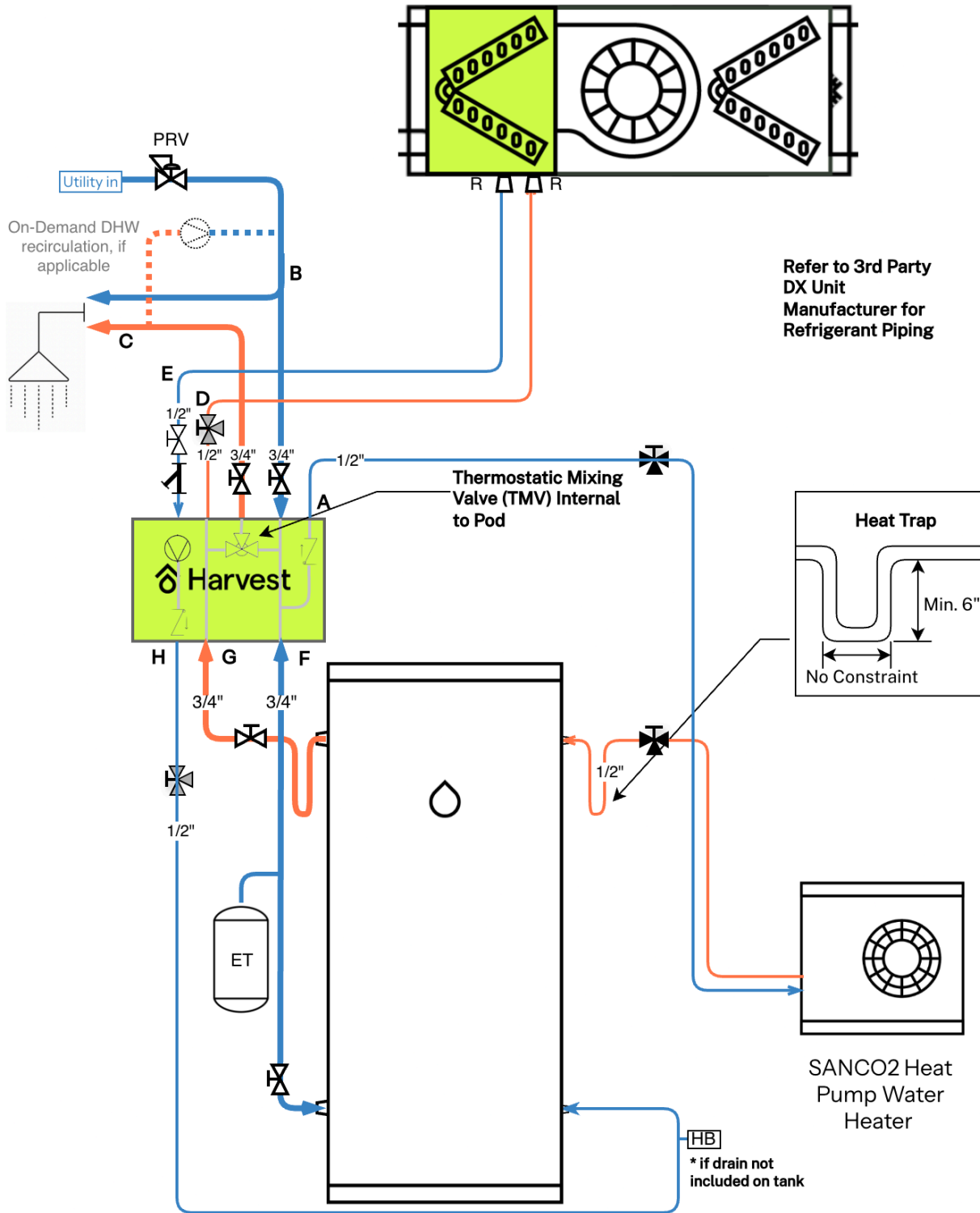
SANCO2 HPWH + Tank



Reclaim HPWH + Tank



SANCO2 Single-Tank Plumbing Diagram



Legend					
	1/2" Ball Valve		R&D Reducer and Dielectric Union		Supply Piping
	3/4" Ball Valve		Reducer		Return Piping
	Harvest 1/2" Service Valve with drain (provided)		Expansion Tank		
	SANCO2 1/2" Service Valve with drain		Hose Bibb		
	Pressure Regulating Valve		Y Strainer (provided)		

 **Harvest service valve App Note.pdf**



Caution

Only install additional plumbing features, such as DHW recirculation pumps, on plumbing lines B and C.

Caution

WARNING: Maximum incoming pressure not to exceed 75 PSI with pressure reducing valve.

Caution

WARNING: Be sure to include all valves, meters, sensors and heat traps shown in the drawings in this manual. The system will not operate properly without these, and in some cases, may not operate safely.

Caution

WARNING: Before performing any plumbing work, ensure the Pod is completely powered off and the front cover is securely in place. Failure to do so may result in water damage to the Pod's electronics, which is **not covered under warranty**.

Note

NOTE: See [Harvest Tech Specs](#) for full plumbing schedule

See links for the:

[Plumbing Connections for the CO2 HPWH](#)

[Plumbing Connections for the Tank](#)

[Plumbing Connections for the Harvest Pod](#)

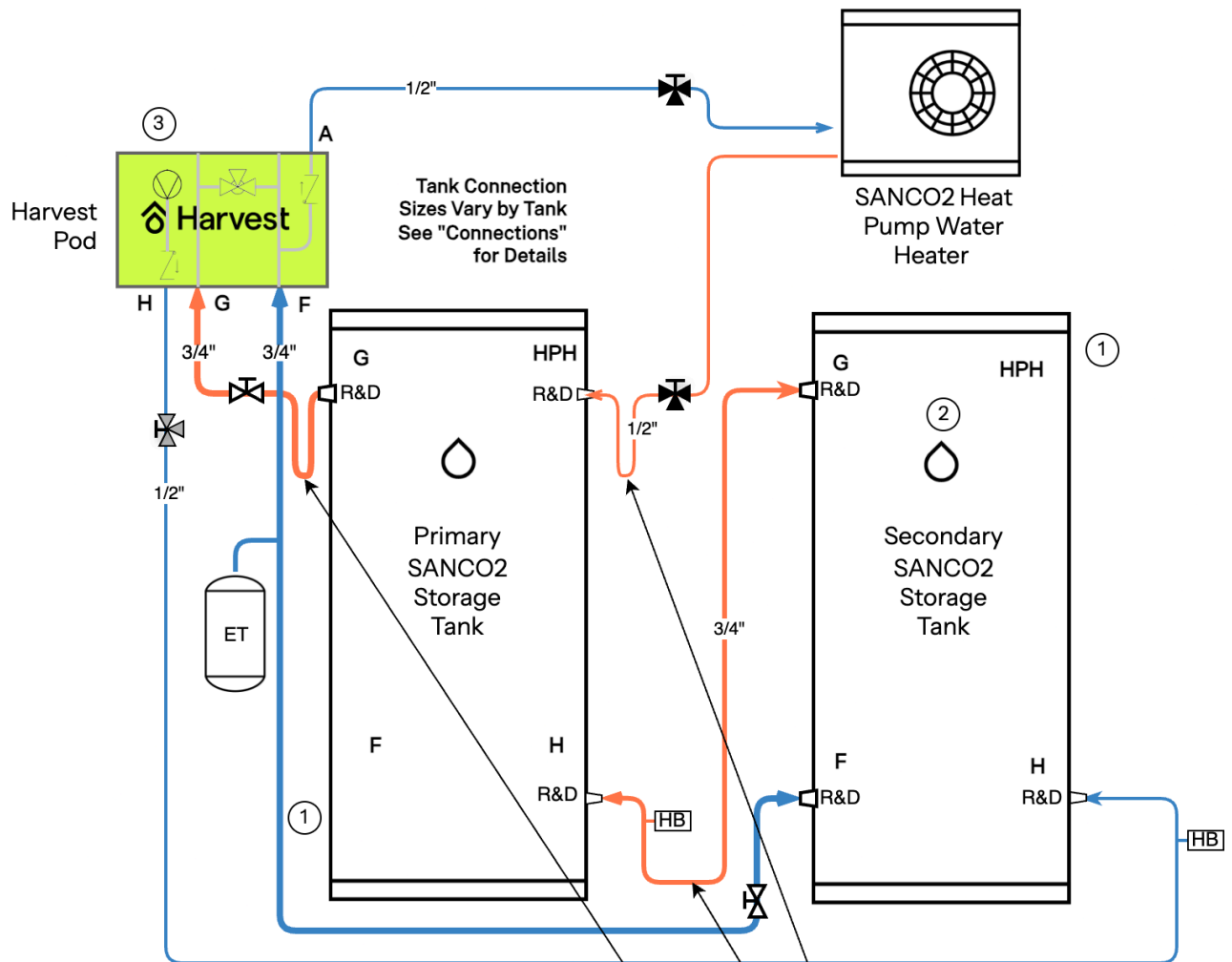
[Plumbing Connections for the Hydronic Coil](#)

SANCO2 Double-Tank Plumbing Diagram

⚠ Caution

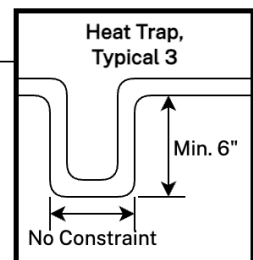
WARNING: Failure to minimize fittings and bends of the “bridge pipe” between the primary and secondary tank may significantly impact system performance.

It is **HIGHLY** recommended to use either a single piece of 3/4" PEX, or 3/4" copper with a long radius elbows to minimize the pressure drop along this bridge pipe.



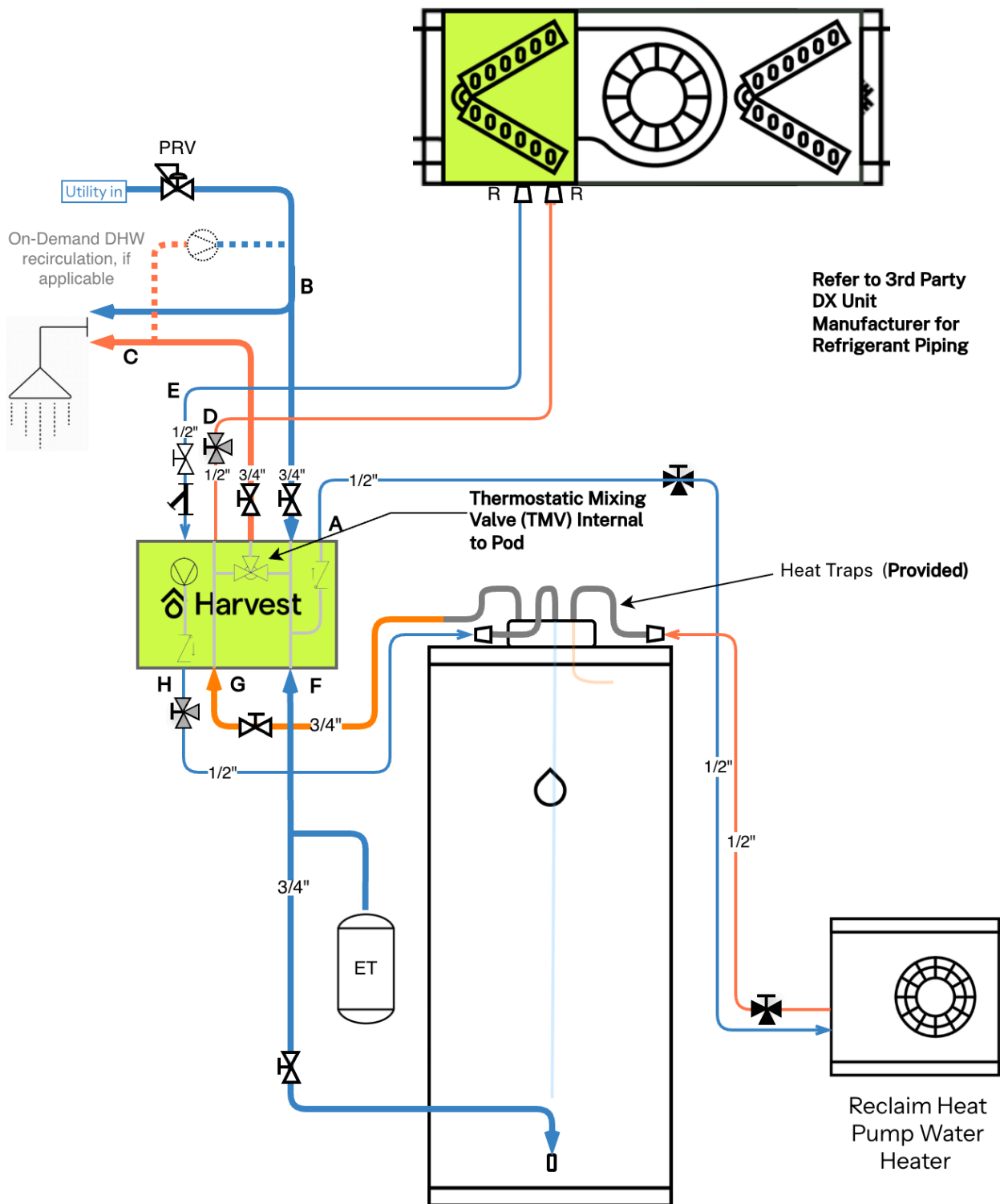
Notes:

1. Cap unused tank connection
2. No TPV valve is needed on the secondary tank if no valves are placed on the bridge pipe between H of the primary tank and G on the secondary tank
3. Heating loop, utility in, and DHW plumbing not shown for clarity. Refer to overall plumbing diagram



Legend					
	1/2" Ball Valve		Reducer and Dielectric Union		Supply Piping
	3/4" Ball Valve		Reducer		Return Piping
	Harvest 1/2" Service Valve with drain (provided)		Expansion Tank		
	SANCO2 1/2" Service Valve with drain		Hose Bibb		
	Pressure Regulating Valve				

Reclaim Single-Tank Plumbing Diagram



Legend			
	1/2" Ball Valve		Supply Piping
	3/4" Ball Valve		Return Piping
	Harvest 1/2" Service Valve with drain (provided)		Reducer
	SANCO2 1/2" Service Valve with drain		Expansion Tank
	Pressure Regulating Valve		Heat Trap (provided)
			Y Strainer (provided)

 **Harvest service valve App Note.pdf**



Caution

Only install additional plumbing features, such as DHW recirculation pumps, on plumbing lines B and C.

Caution

WARNING: Maximum incoming pressure not to exceed 75 PSI with pressure reducing valve.

Caution

WARNING: Be sure to include all valves, meters, sensors and heat traps shown in the drawings in this manual. The system will not operate properly without these, and in some cases, may not operate safely.

Caution

WARNING: Before performing any plumbing work, ensure the Pod is completely powered off and the front cover is securely in place. Failure to do so may result in water damage to the Pod's electronics, which is **not covered under warranty**.

Note

NOTE: See [Harvest Tech Specs](#) for full plumbing schedule

See links for the:

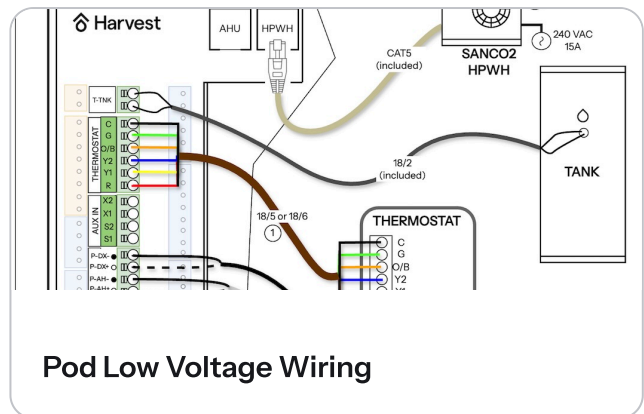
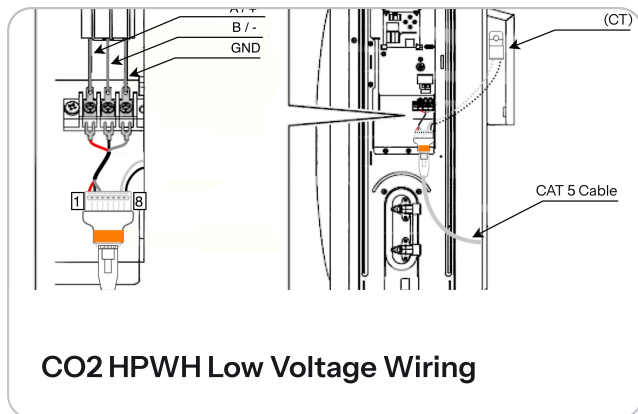
[Plumbing Connections for the CO2 HPWH](#)

[Plumbing Connections for the Tank](#)

[Plumbing Connections for the Harvest Pod](#)

[Plumbing Connections for the Hydronic Coil](#)

Low Voltage Wiring and Sensors



CO2 HPWH Low Voltage Wiring

Note

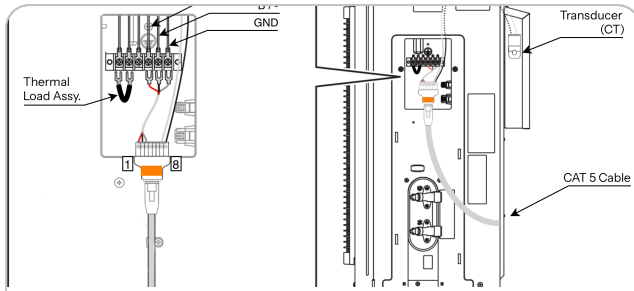
The Harvest Install kit includes a wiring harness to connect the Cat5 cable from the Pod to the CO2 Heat Pump Water Heater (HPWH).

Caution

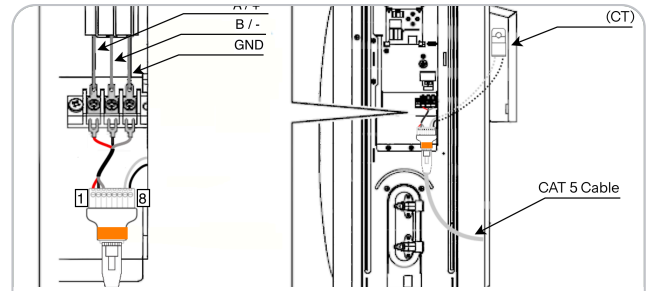
WARNING: Failure to properly purge air from the CO2 HPWH may cause the circulation pump inside the heat pump to run dry, operate improperly, or sustain damage. Improper air removal can also result in unstable water temperatures during operation.

Two communication protocols can be used to control the CO2 HPWH.

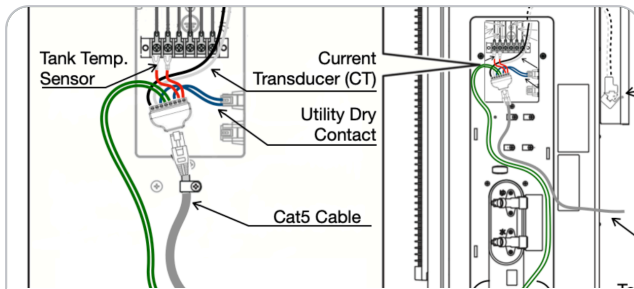
- **Modbus** communication with the CO2 HPWH is specific to **HarvestPods with S/N 1900 and above**
- The **legacy protocol is a dry-contact**-based communication, specific to **SANCO2 HPWHs** and must be used for **HarvestPods with S/N 1200–1899**



Modbus: Single SANCO2 CO2 HPWH wiring



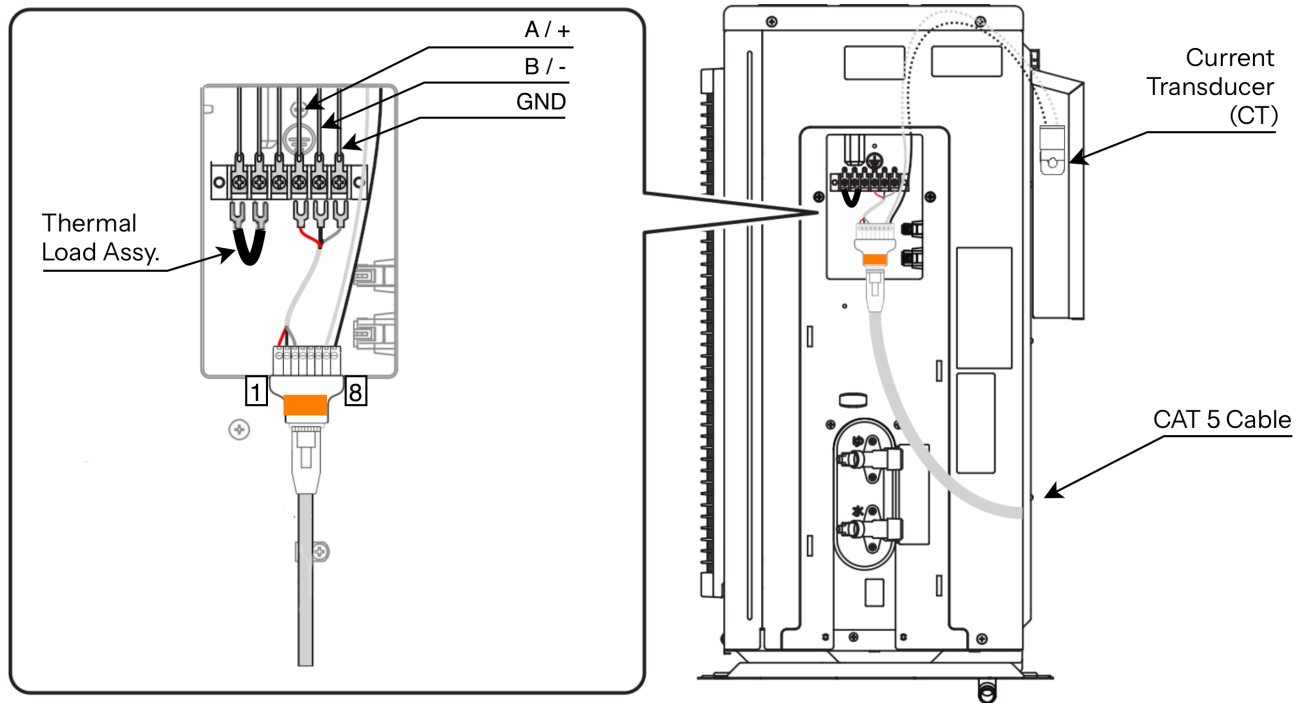
Modbus: Single Reclaim CO2 HPWH wiring



Legacy: Single SANCO2 CO2 HPWH wiring

Modbus: Single SANCO2 CO2 HPWH wiring

Harvest wiring harness connections inside the signal box of the Modbus CO2 HPWH



Modbus Wiring:

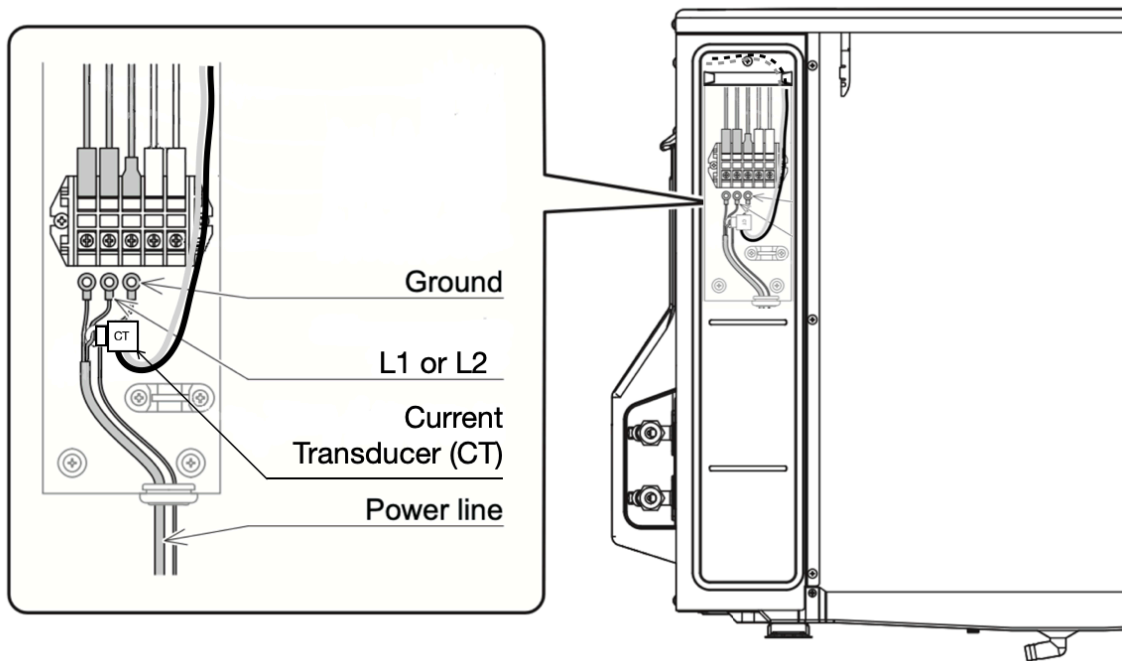
- **Red** → A / +
- **Black** → B / -
- **Bare wire** → GND
- Install the **BLACK** thermal load assembly on the left-most terminals.

Current Transducer inside the power box

The current transducer is clipped around **either** the L1 or L2 power line. The CT leads can be threaded through the inside of the CO2 HPWH to enter the signal box, and reconnected to the wiring harness.

Note

The polarity of the CT leads matters. The **black** CT lead connects to **pin 8** of the wiring harness.



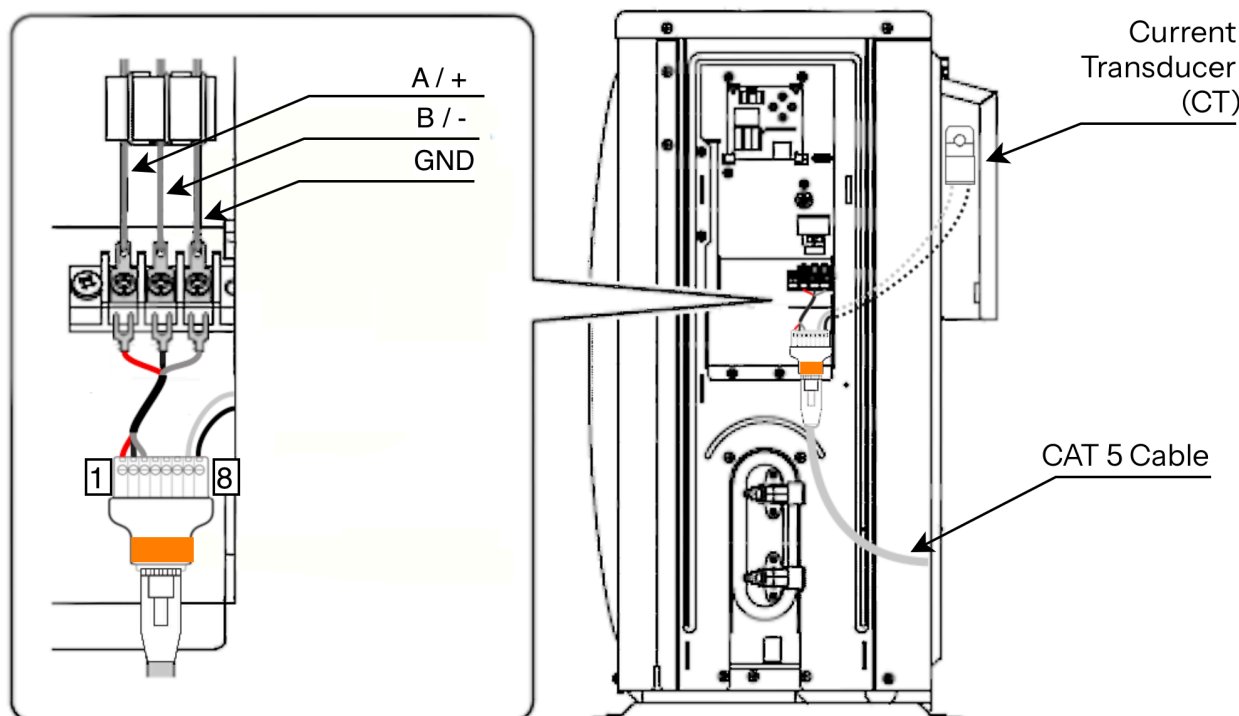
Background Source: SANCO2 GS4 Installation Manual

Note

NOTE: see [Powering the SANCO2](#) documentation for high voltage wiring.

Modbus: Single Reclaim CO2 HPWH wiring

Harvest wiring harness connections inside the signal box of the Modbus CO2 HPWH



Modbus Wiring:

- **Red** → A / +
- **Black** → B / -
- **Bare wire** → GND

Note

NOTE: The **BLACK** thermal load assembly that you may have in the kit is **NOT** used for the Reclaim heat pump.

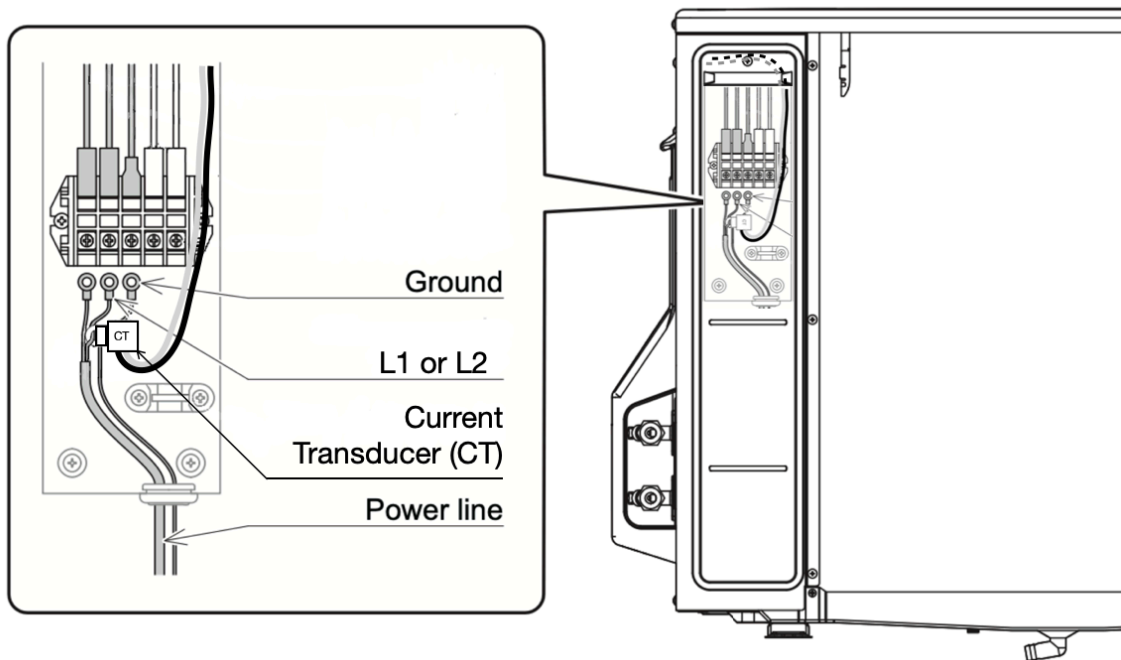
Current Transducer inside the power box

The current transducer is clipped around **either** the L1 or L2 power line. The CT leads can be threaded through the inside of the CO2 HPWH to enter the signal box, and reconnected to the

wiring harness.

Note

The polarity of the CT leads matters. The **black** CT lead connects to **pin 8** of the wiring harness.



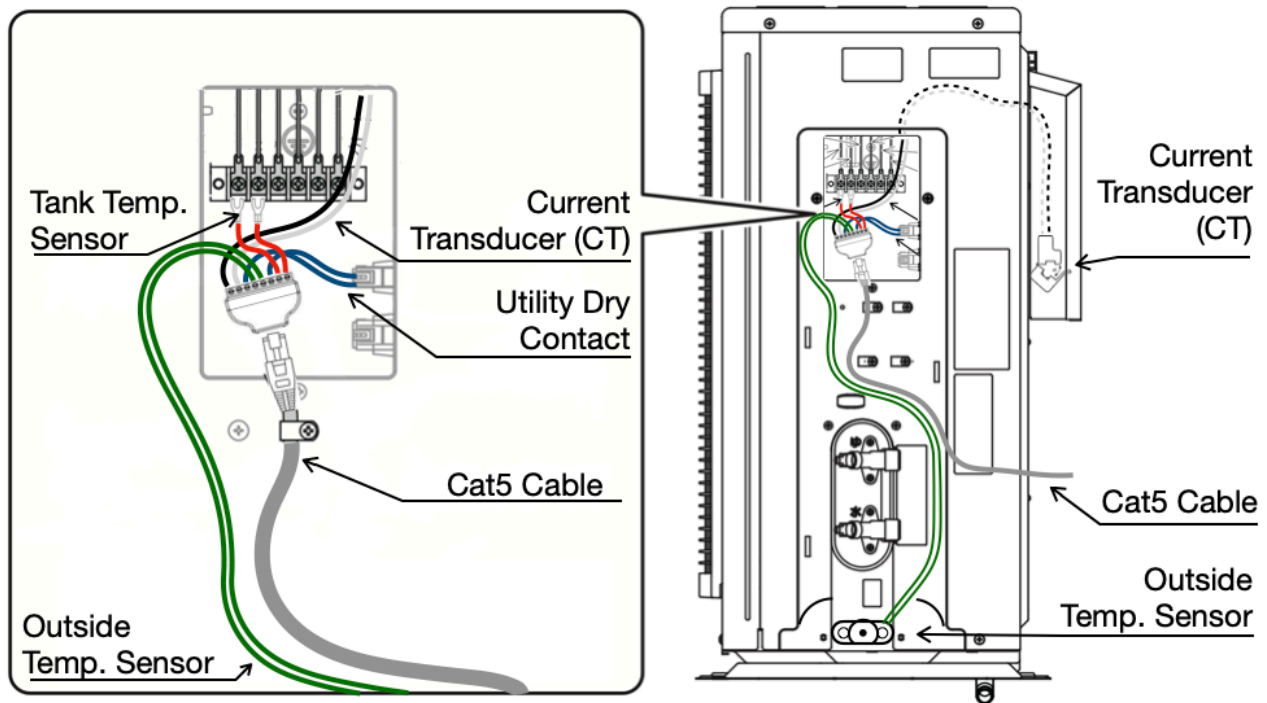
Background Source: SANCO2 GS4 Installation Manual

Note

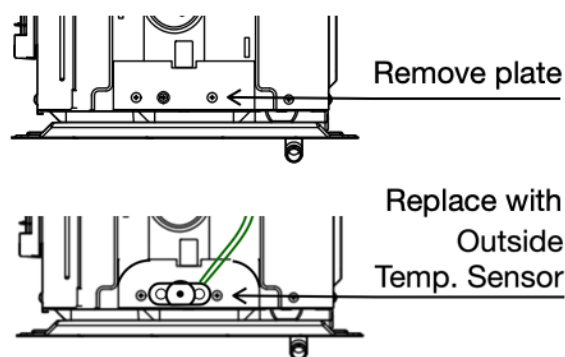
NOTE: see [Powering the Reclaim](#) documentation for high voltage wiring.

Legacy: Single SANCO2 CO2 HPWH wiring

Harvest wiring harness connections inside the signal box of the SANCO2



Replace the existing plate directly below the plumbing fixtures of the SANCO2 heat pump with the Outdoor Temperature Sensor plate that comes connected to the wiring harness.



SANCO2 Gen5

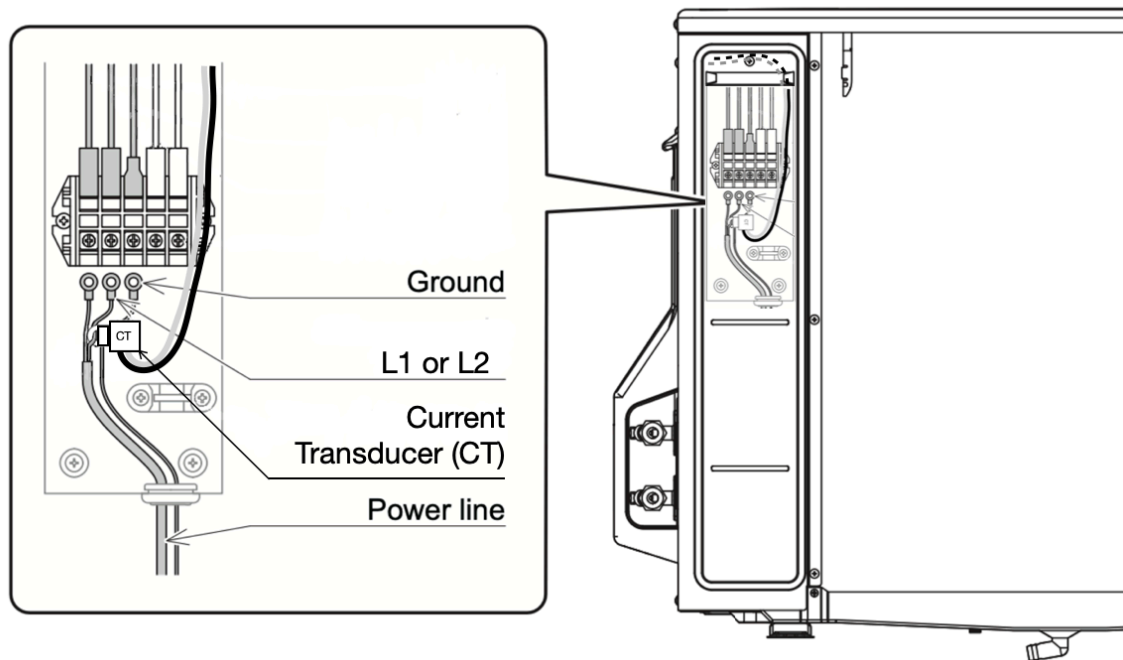
Current Transducer inside the power box

The current transducer is clipped around **either** the L1 or L2 power line. The CT leads can be threaded through the inside of the SANCO2 to enter the signal box, and reconnected to the

wiring harness.

Note

The polarity of the CT leads matters. The **black** CT lead connects to **pin 8** of the wiring harness.



Background Source: SANCO2 GS4 Installation Manual

Note

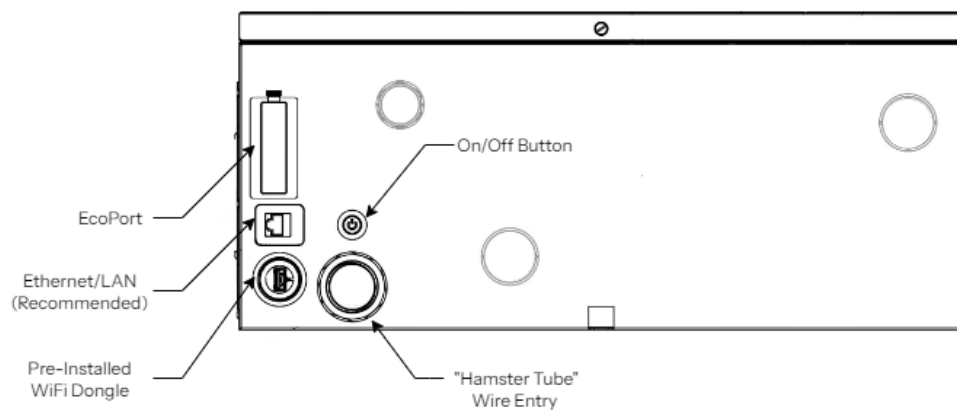
NOTE: see [Powering the SANCO2](#) documentation for high voltage wiring.

Pod Low Voltage Wiring

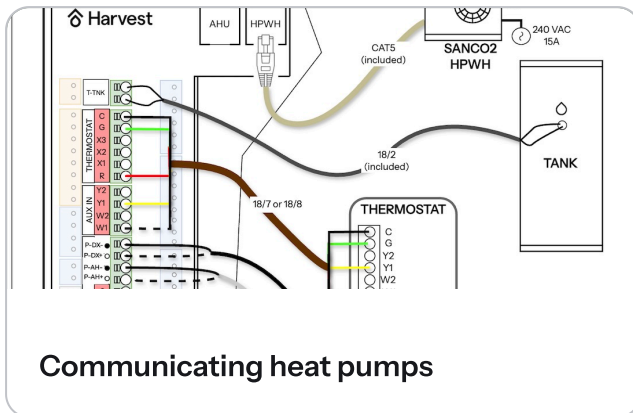
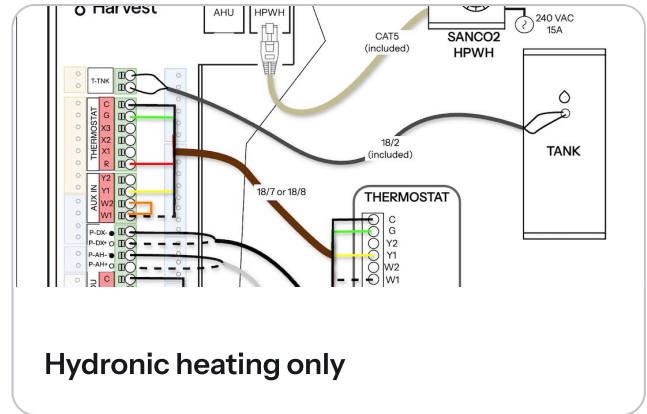
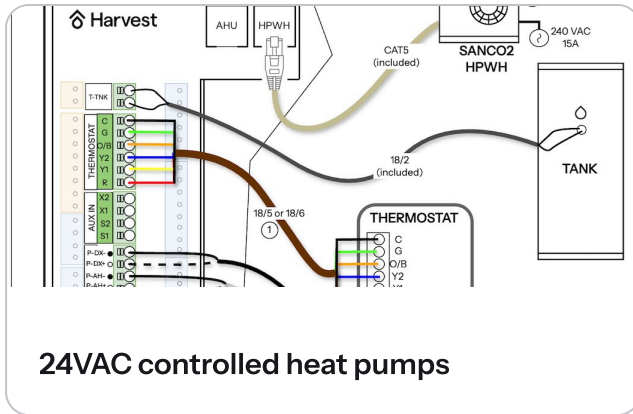
Caution

WARNING: Do not power the Harvest Pod, or 3rd Party Air Handler, until all wiring is complete and correct. Wiring the Harvest Pod incorrectly may damage it.

- 1 Remove the thumb screws at the bottom and top of the pod to remove the front panel of the Pod and access the wiring connections.
- 2 To make internal wiring connections, push wires through the “hamster tube” from the underside of the pod.



- 3 Wire the Pod. **Follow the link below that best fits your installation scenario:**

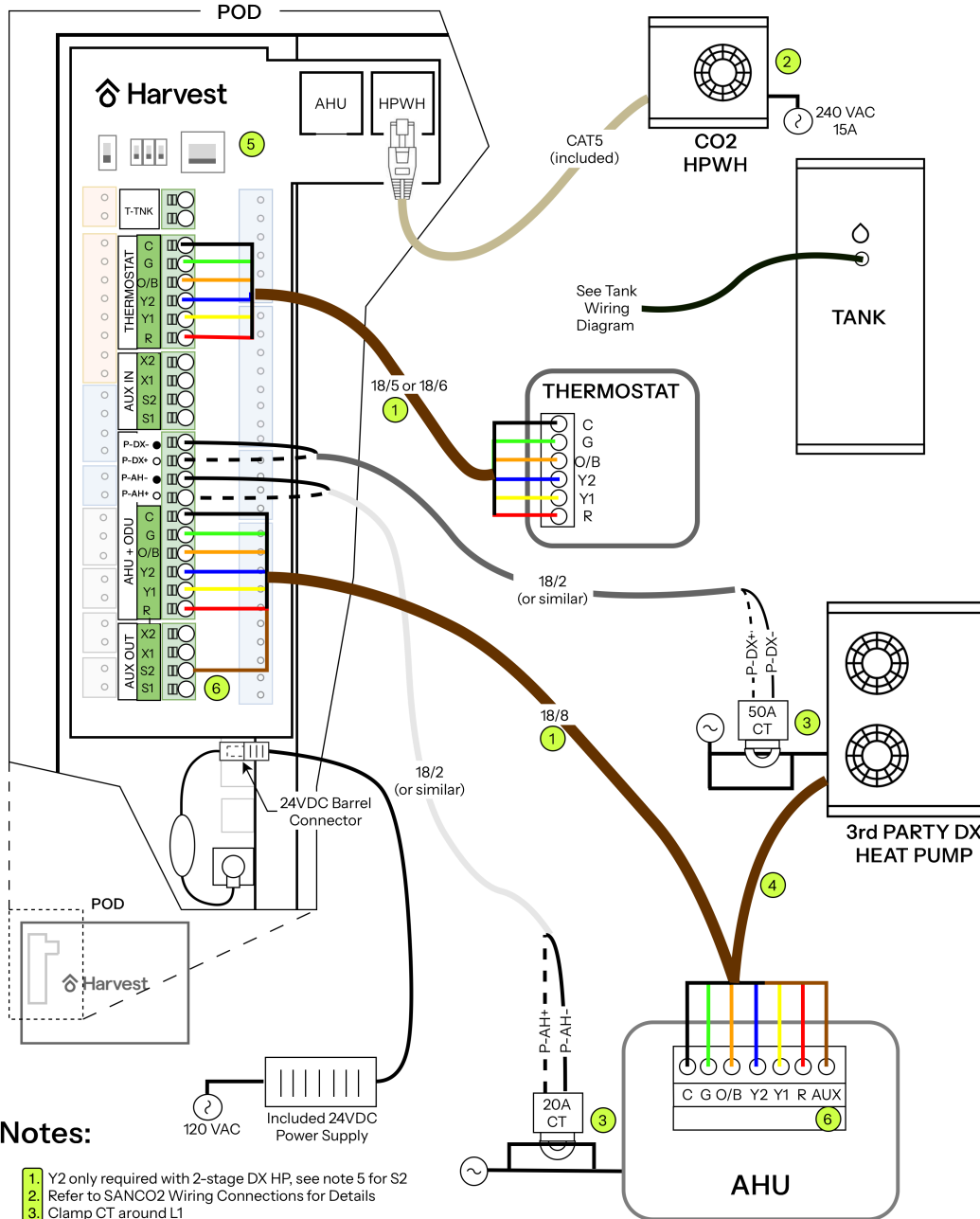


24VAC controlled heat pumps

Wiring

Heat Pump Protocol

24 VAC controlled heat pumps. (Rheem, Ruud, Carrier, etc...)



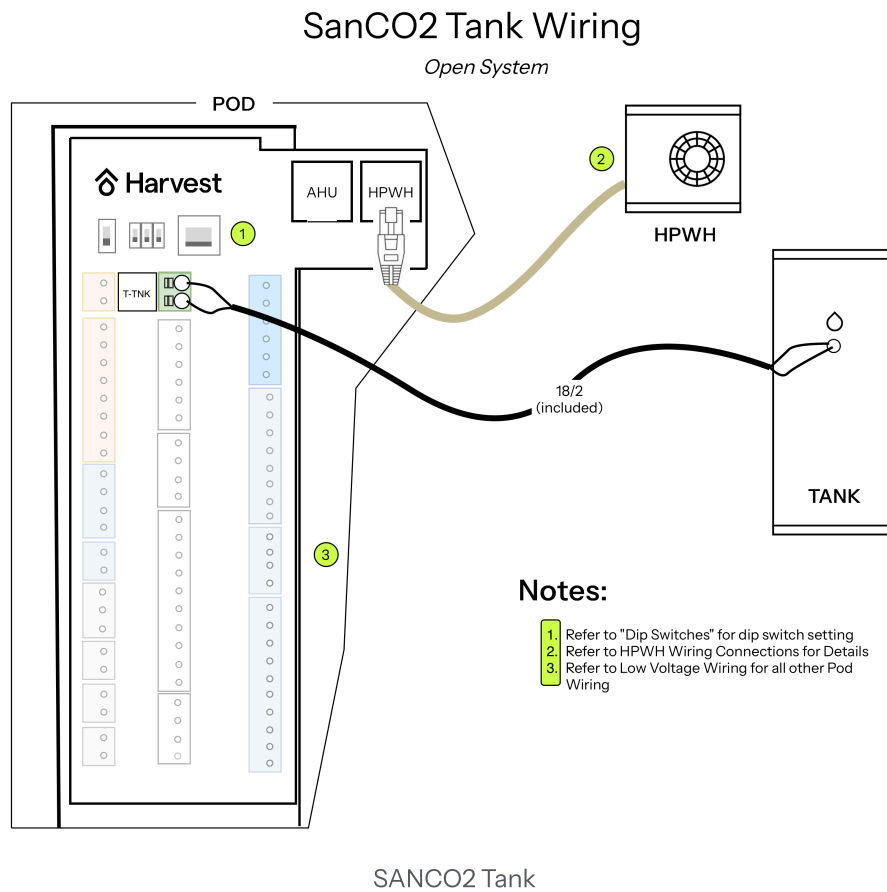
Notes:

1. Y2 only required with 2-stage DX HP, see note 5 for S2
2. Refer to SANCO2 Wiring Connections for Details
3. Clamp CT around L1
4. Refer to 3rd party Air Handler and Heat Pump manufacturer for wiring between Air Handler and Heat Pump
5. Refer to "Dipswitches" for dipswitch configuration
6. Optional S2: use high fan speed connection (E/AUX or W) if unable to achieve 400 cfm/ton of heating with G call

Note

NOTE: A connection can be made from the Harvest Pod AUX OUT S2 to activate the E/AUX or W terminal — normally used for auxiliary/emergency electric heating — on an air handler that is unable to achieve 400 cfm/ton of heating with a G call.

Tank Wiring



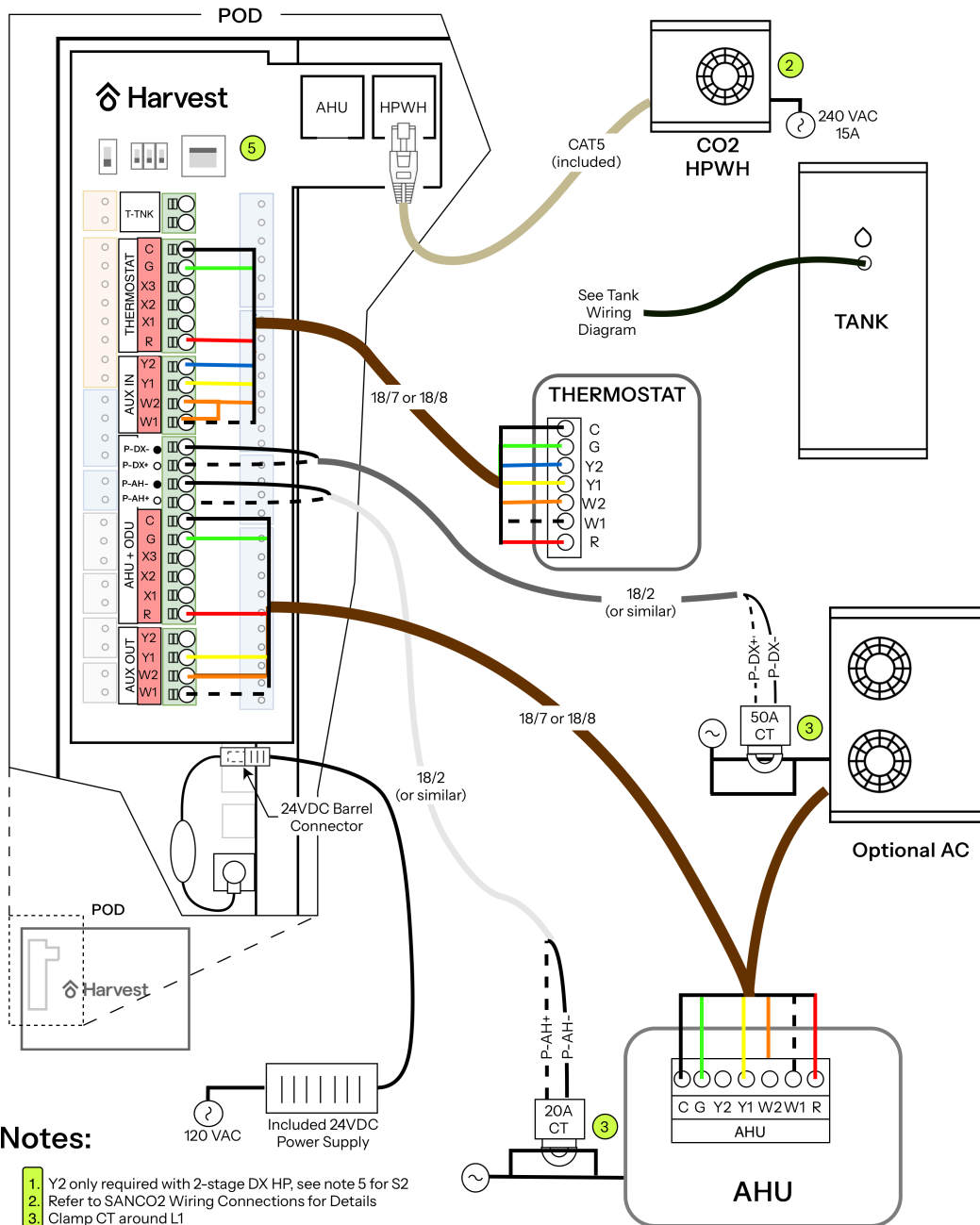
- O/B switch: Set this switch to choose the correction operation of the reversing valve of the DX heat pump outdoor unit.
- STD/COLD switch: Set to STD unless you are in a climate with a heating design temperature below 20F.
- MOD/DRY switch: Set to MOD for modbus control of the heat pump unless you are using the legacy dry-contact method for SANCO2 HPWHs.
- FRN/HP switch: Use HP for Heat Pump Protocol.

Hydronic heating only

Wiring

Furnace Protocol

Hydronic heat only (optional AC)



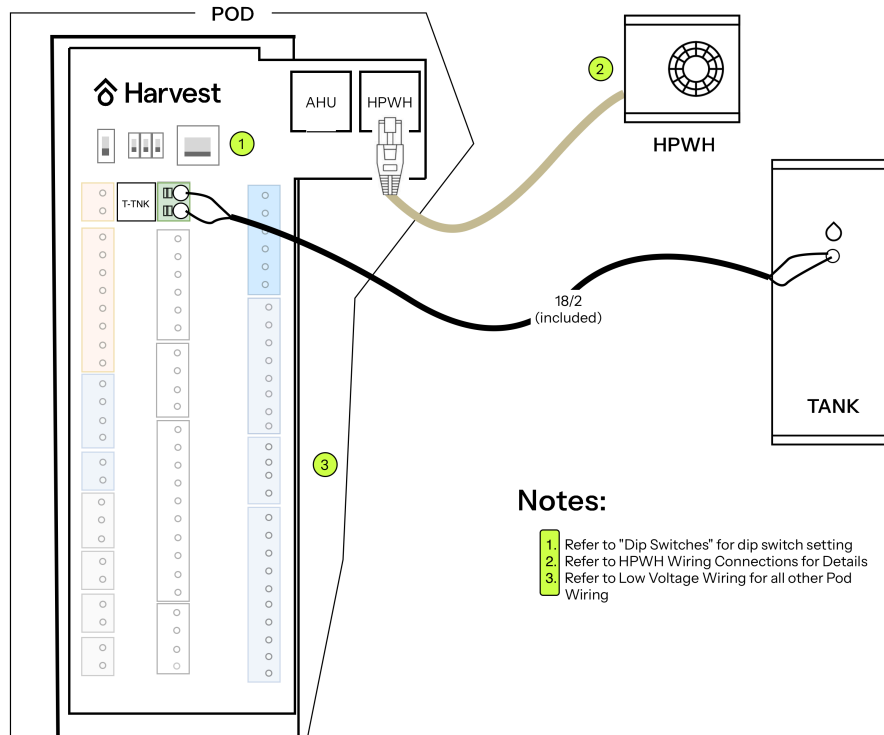
Notes:

1. Y2 only required with 2-stage DX HP, see note 5 for S2
2. Refer to SANCO2 Wiring Connections for Details
3. Clamp CT around L1
4. Refer to 3rd party Air Handler and Heat Pump manufacturer for wiring between Air Handler and Heat Pump
5. Refer to "Dipswitches" for dipswitch configuration

Tank Wiring

SanCO2 Tank Wiring

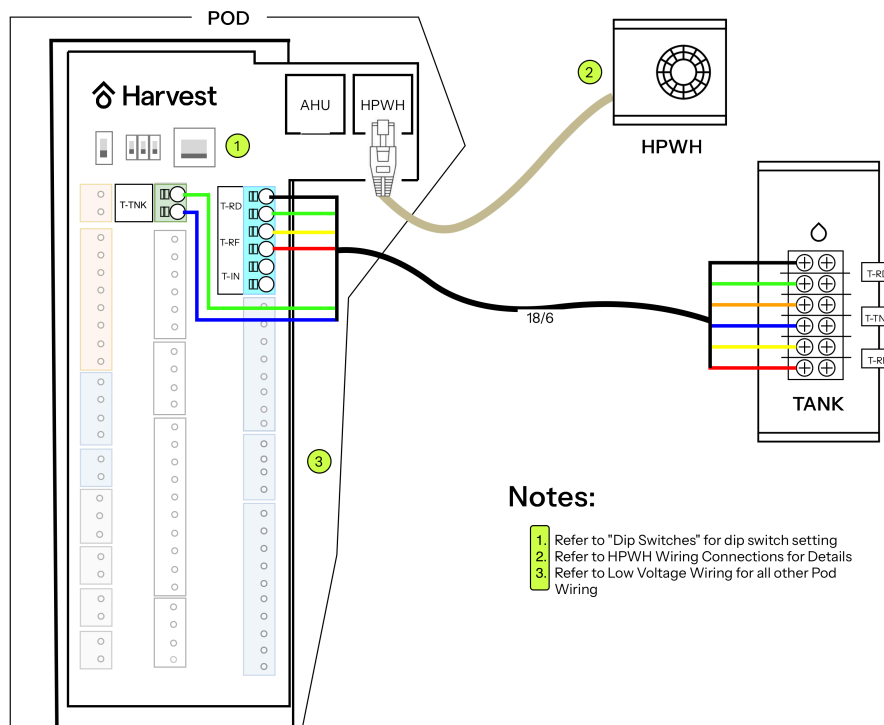
Open System



SANCO2 Tank

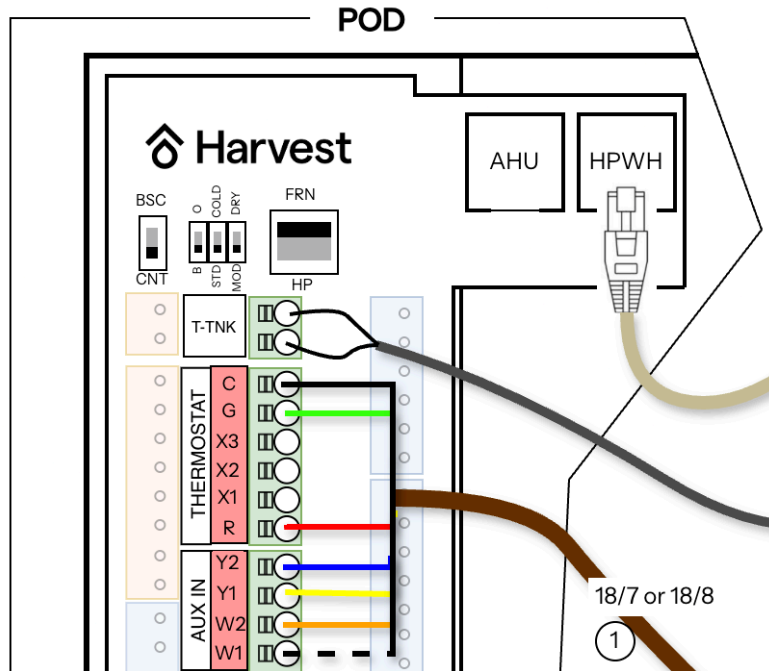
Reclaim Tank Wiring

Open System



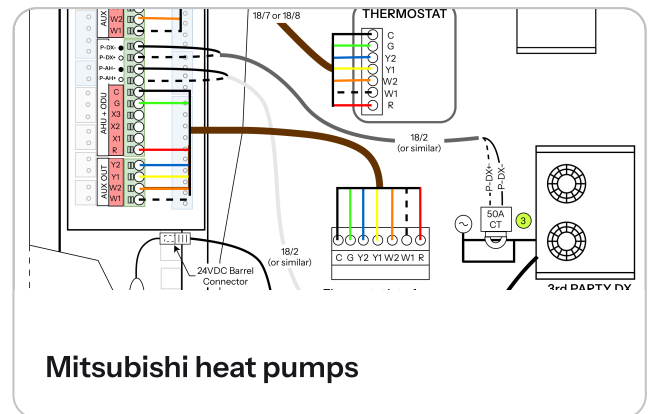
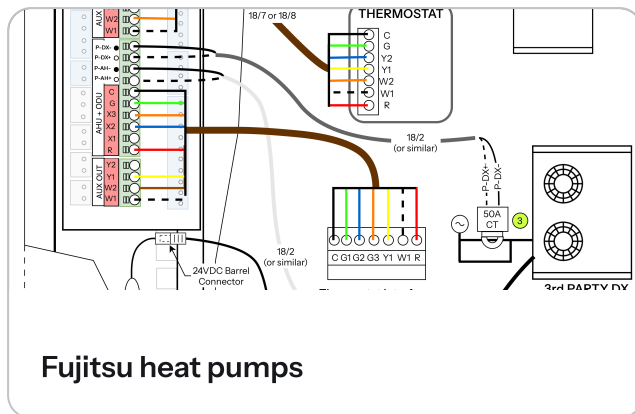
Reclaim Tank

Dip Switches



- CNT/BSC switch: CNT (Control) enables smart thermal battery functionality. BSC (Basic) enables DHW and limited heating with no smart thermal battery functionality. Basic can provide service continuity in case of controller issues until those issues are fixed.
- O/B switch: This switch is not used in this configuration.
- STD/COLD switch: Set to STD unless you are in a climate with a heating design temperature below 20F.
- MOD/DRY switch: Set to MOD for modbus control of the heat pump unless you are using the legacy dry-contact method for SANCO2 HPWHs.
- FRN/HP switch: Use FRN for Furnace Protocol wiring.

Communicating heat pumps



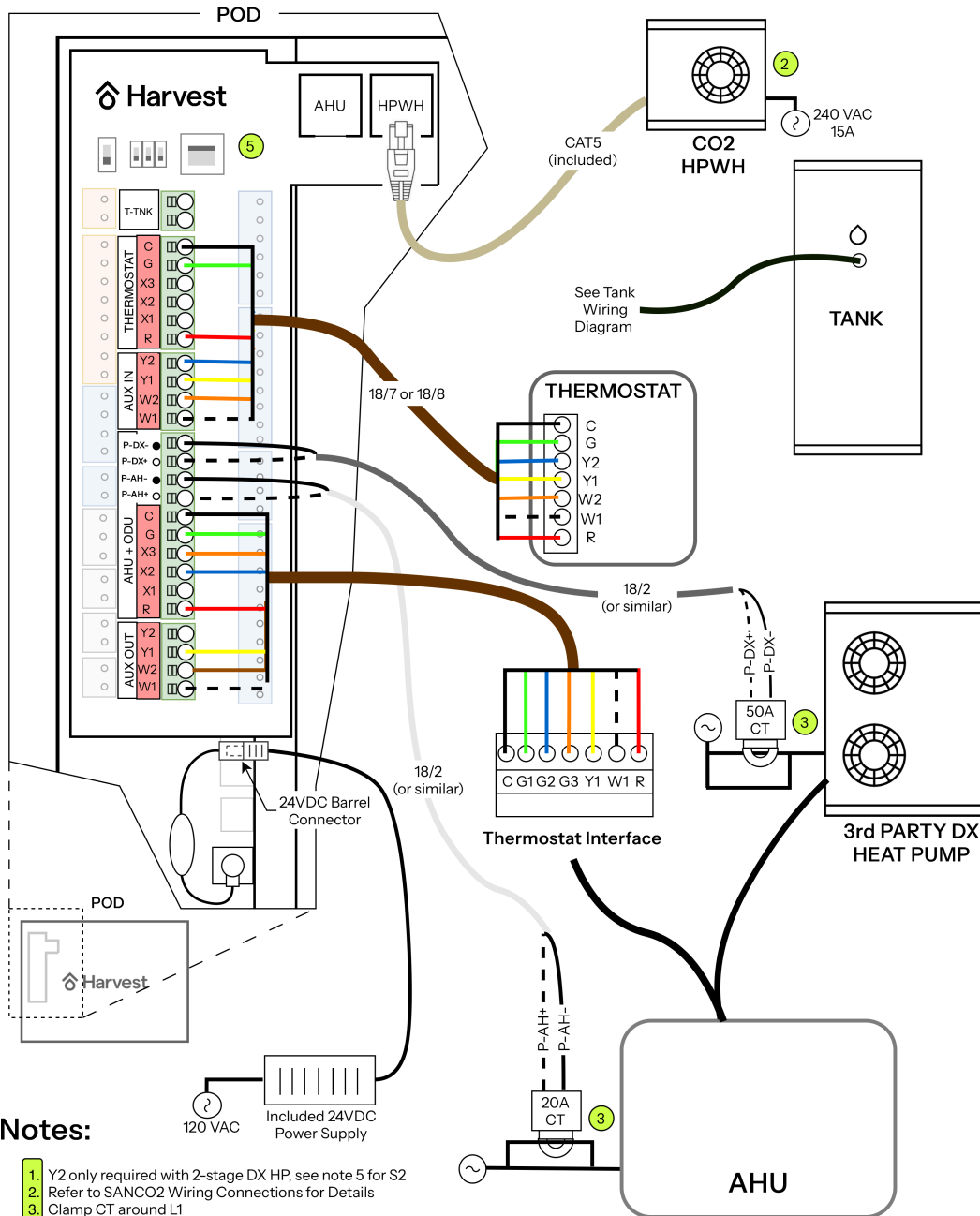
Fujitsu heat pumps

Fujitsu heat pumps with a thermostat interface device can be run with 3-speed fan control using G1/G2/G3. Ecobee and Nest thermostats can automate/optimize the fan speed based on a home's heating needs and the outdoor temperature.

Wiring

Furnace Protocol

Fujitsu Thermostat Interface + 3 speed fan control



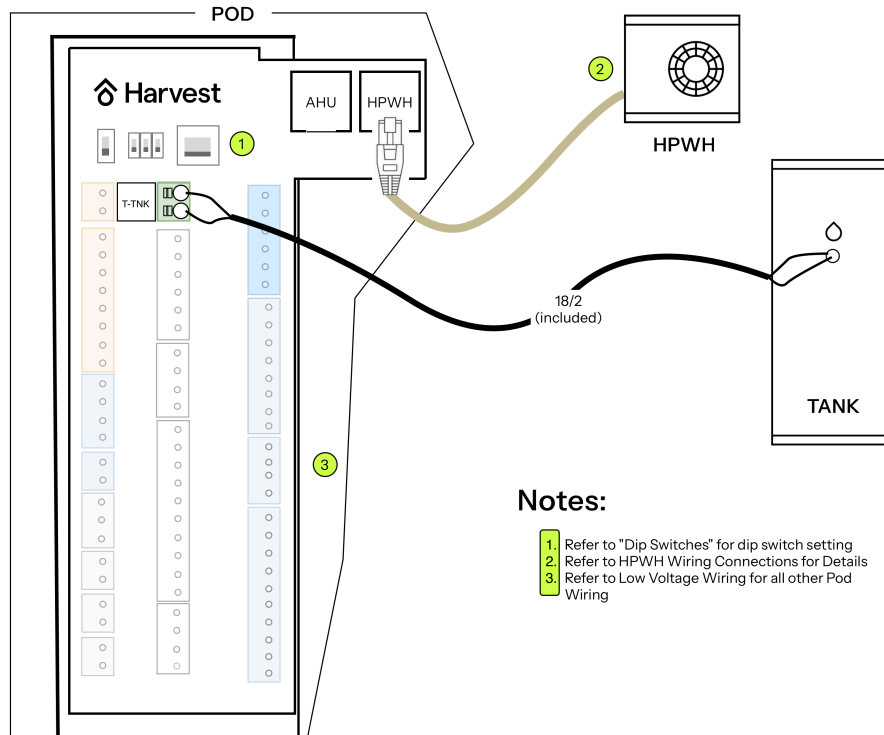
Notes:

1. Y2 only required with 2-stage DX HP, see note 5 for S2
2. Refer to SANCO2 Wiring Connections for Details
3. Clamp CT around L1
4. Refer to 3rd party Air Handler and Heat Pump manufacturer for wiring between Air Handler and Heat Pump
5. Refer to "Dipswitches" for dipswitch configuration

Tank Wiring

SanCO2 Tank Wiring

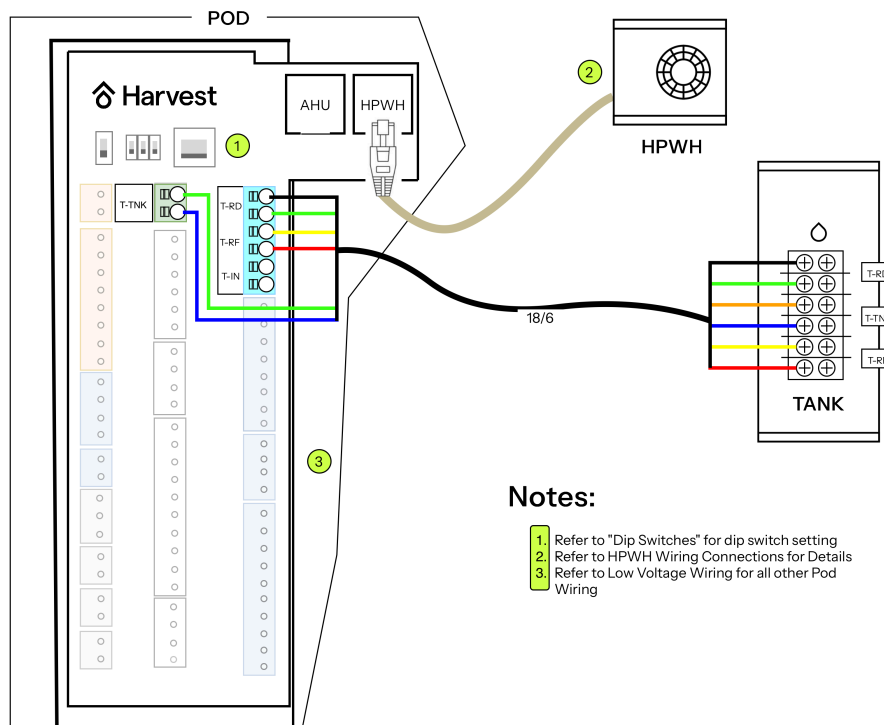
Open System



SANCO2 Tank

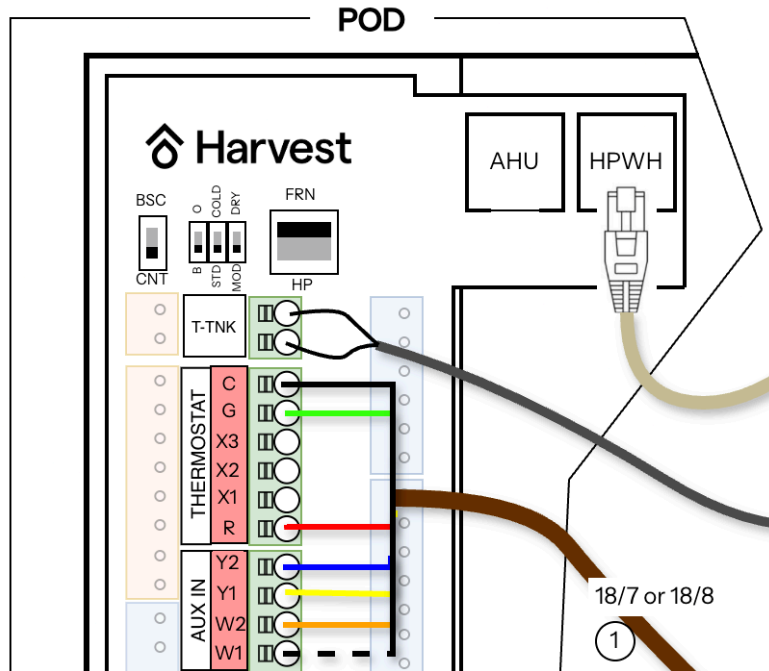
Reclaim Tank Wiring

Open System



Reclaim Tank

Dip Switches



- CNT/BSC switch: CNT (Control) enables smart thermal battery functionality. BSC (Basic) enables DHW and limited heating with no smart thermal battery functionality. Basic can provide service continuity in case of controller issues until those issues are fixed.
- O/B switch: This switch is not used in this configuration
- STD/COLD switch: Set to STD unless you are in a climate with a heating design temperature below 20F.
- MOD/DRY switch: Set to MOD for modbus control of the heat pump unless you are using the legacy dry-contact method for SANCO2 HPWHs.
- FRN/HP switch: Use FRN for Furnace Protocol wiring on communicating heat pumps with a thermostat interface device.

Mitsubishi heat pumps

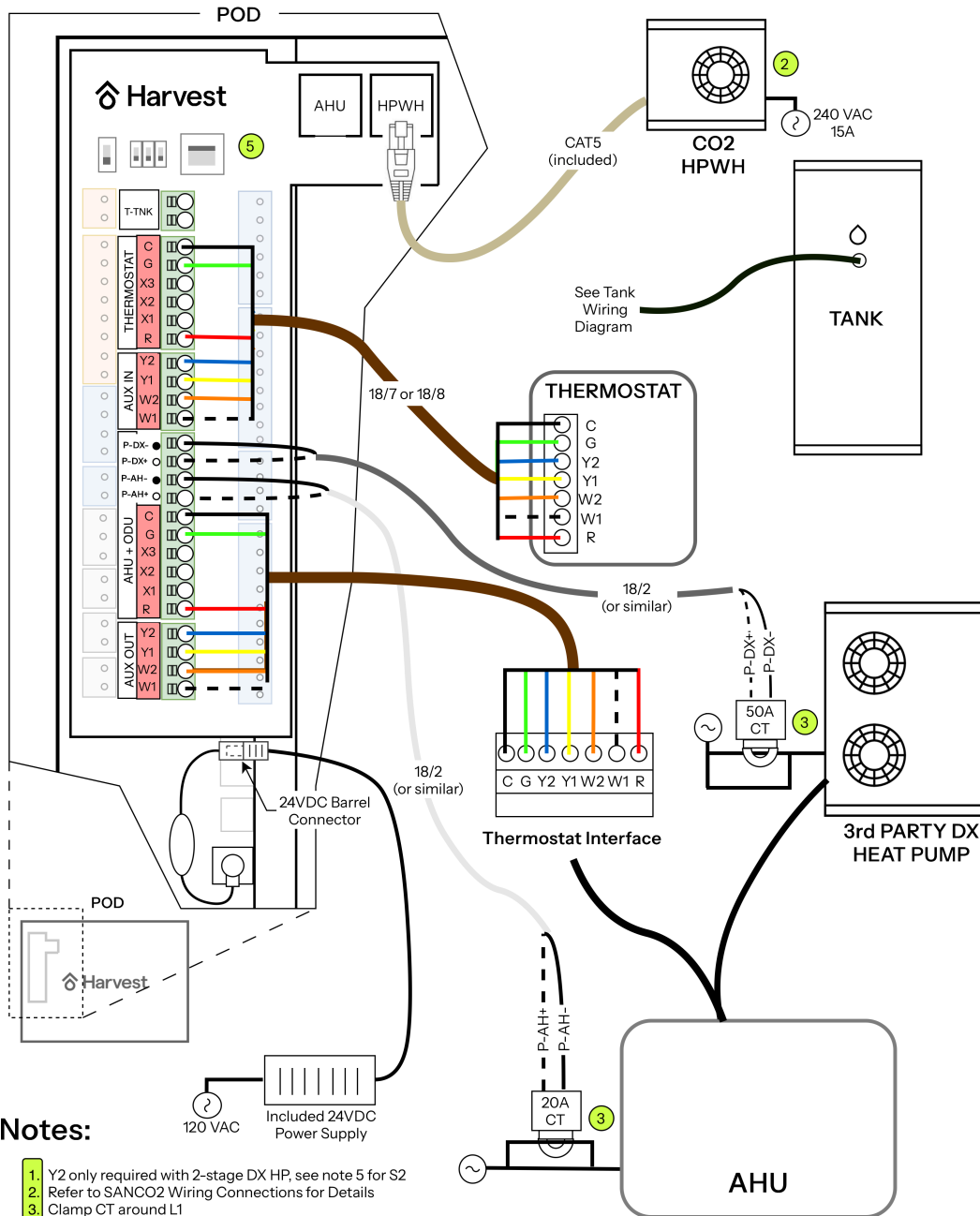
Mitsubishi heat pumps with a thermostat interface device can be run with a [Y1/Y2 and W1/W2 wiring thermostat configuration](#). (3-speed fan control does not work for Mitsubishi units). A Y2 or W2 call will enable the ODU to access its full capacity.

It is important to set SW1-1 Zero Delay Timer to ON for the [PAC-US445CN-1 thermostat interface device](#), and SW2-6 to off. Please check the AHU manual for the correct settings for SW2-1, SW2-2, and SW2-3, which set the static pressure. ([SVZ-KP series](#))

Wiring

Furnace Protocol

Mitsubishi Communicating heat pumps



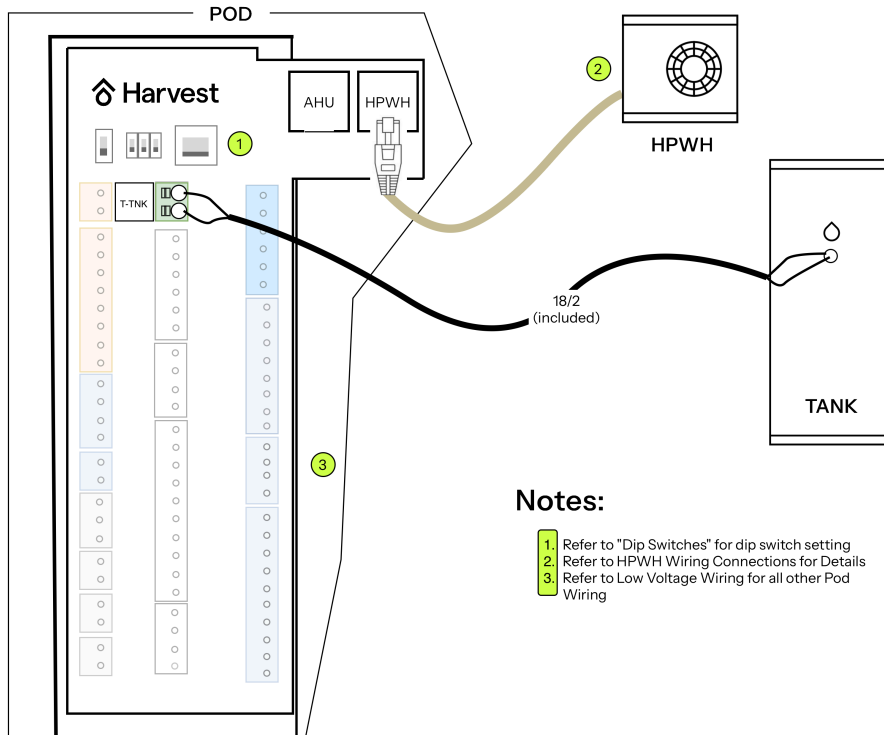
Notes:

1. Y2 only required with 2-stage DX HP, see note 5 for S2
2. Refer to SANCO2 Wiring Connections for Details
3. Clamp CT around L1
4. Refer to 3rd party Air Handler and Heat Pump manufacturer for wiring between Air Handler and Heat Pump
5. Refer to "Dipswitches" for dipswitch configuration

Tank Wiring

SanCO2 Tank Wiring

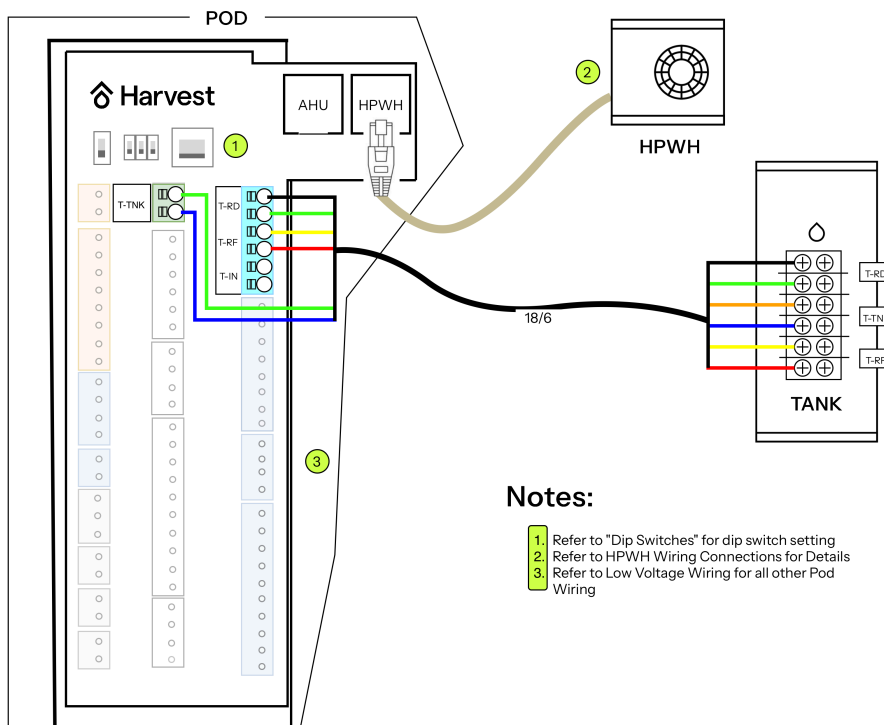
Open System



SANCO2 Tank

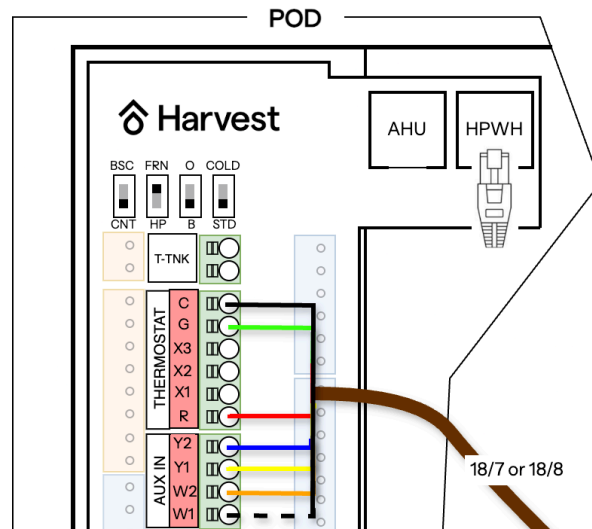
Reclaim Tank Wiring

Open System



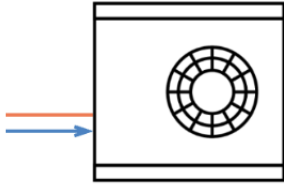
Reclaim Tank

Dip Switches

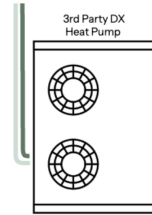


- CNT/BSC switch: CNT (Control) enables smart thermal battery functionality. BSC (Basic) enables DHW and limited heating with no smart thermal battery functionality. Basic can provide service continuity in case of controller issues until those issues are fixed.
- O/B switch: This switch is not used in this configuration
- STD/COLD switch: Set to STD unless you are in a climate with a heating design temperature below 20F.
- MOD/DRY switch: Set to MOD for modbus control of the heat pump unless you are using the legacy dry-contact method for SANCO2 HPWHs.
- FRN/HP switch: Use FRN for Furnace Protocol wiring on communicating heat pumps with a thermostat interface device.

Start Up



Hydronic System Start Up



3rd Party DX Heat Pump Start Up



Thermal Battery System Start Up

Hydronic System Start Up

Domestic Hot Water

- 1 Ensure all plumbing and wiring involving the CO2 HPWH and the Pod are correct and complete.
- 2 Fill the tank by opening valves on lines B and F (see [Plumbing System Diagram](#)).
- 3 Open PRV to allow air to exit the system. Leave open until water comes out of the relief valve.
- 4 Open the remaining valves (see [Plumbing System Diagram](#)).
- 5 Open the hot water faucets to bleed air from the house piping system. Close the hot water faucets after no air is seen in the water.
- 6 Open the three water bleed valves on the CO2 HPWH. Two are on the water connections, and the third is underneath the heat pump. Close the bleed valves after no air is seen in the water.

Caution

WARNING: Failure to properly purge air from the CO2 HPWH may cause the circulation pump inside the heat pump to run dry, operate improperly, or sustain damage. Improper air removal can also result in unstable water temperatures during operation.

7

Power the CO2 HPWH outdoor unit.

Upon powering on, a SANCO2 CO2 HPWH undergoes an automatic 5-minute air bleed cycle, displays “12:00” on the screen, and begins to run. The 5-minute air bleed cycle on a Reclaim CO2 HPWH is started via the Harvest App.

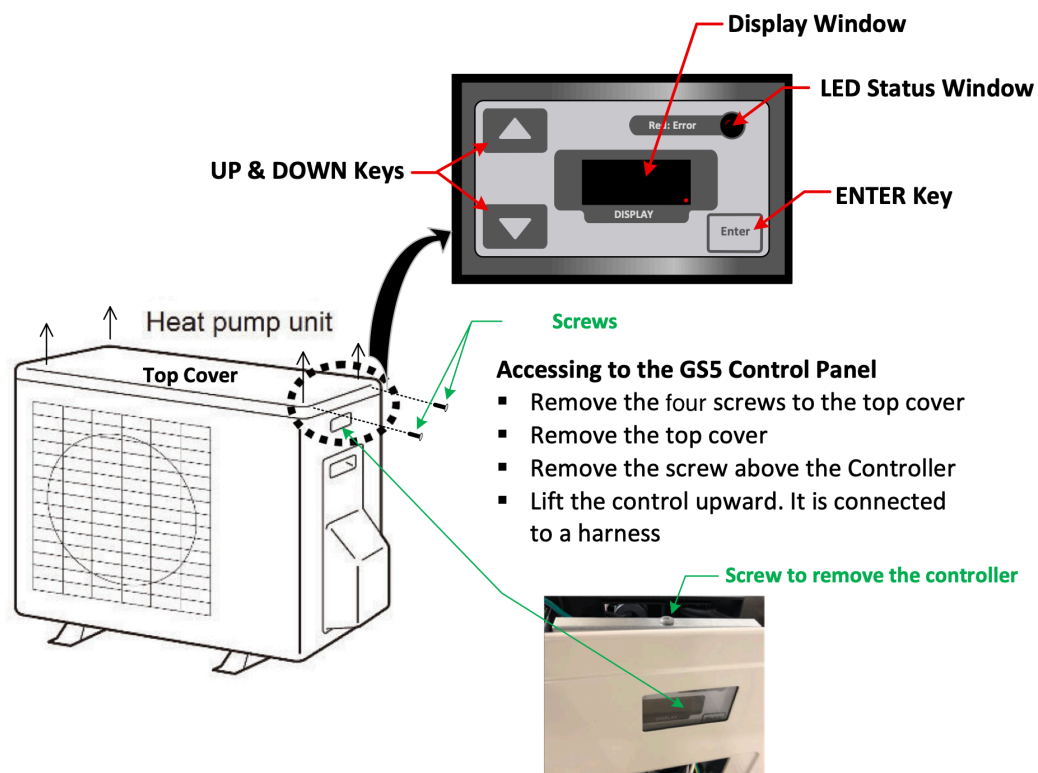
Next, set up communication between the CO2 HPWH and the Pod for the connection type used in your wiring:

Dry-contact (legacy) connection

No additional programming is required on the heat pump.

Modbus connection

Program the Modbus communication settings on the SANCO2 GS5 control panel. Remove the top cover and lift out the controller to reach the keypad (see figure), then:



SANCO2 GS5 control panel and how to access it.

1. Press and hold the **Up** and **Down** keys together to enter Commissioning mode.
2. Use the **Up** and **Down** keys to find the Communication Setting Mode [**C_SE**] and press **ENTER**.
3. Use the **Up/Down** keys to toggle between **Modbus Off** and **Modbus On**, then press **ENTER** to confirm your choice.

4. Use the **Up** and **Down** keys to find the Modbus ID Setting Mode **[id]** and press **ENTER**.
5. Use the **Up/Down** keys to set the Modbus ID to **1** and press **ENTER** to confirm the value.
6. Hold the **ENTER** key for 10 seconds to exit Commissioning mode.

Tip

At this point, hot water will accumulate in the tank. It will take ~1 hour for the hot water tank to accumulate enough hot water for domestic hot water service to be usable.

Hydronic Coil

For the hydronic coil to operate, all air must be purged from the hydronic coil loop.

Note

NOTE: A check valve inside the Pod means that purging the hydronic coil plumbing loop at the highest point of the system will not be effective.

- 1 Close the shut-off valve at the tank on line H (see [Plumbing System Diagram](#)).
- 2 Open the Hose Bib (HB) drain on line H to purge the hydronic coil and circulation pump. Continue purging until no air more air bubbles are visible in the water.
- 3 Close the drain and **re-open** the shut-off valve at the tank on line H.

Caution

WARNING: Failure to properly purge air from the hydronic heating loop may cause the Harvest Pod circulation pump to run dry, operate improperly, or sustain damage.

3rd Party DX Heat Pump Start Up

- 1 Follow DX Heat Pump manufacturer instructions for **heat pump refrigerant charging and start-up**.
- 2 Plug in the **24 VDC power supply to provide power to the Pod**. Switch the Pod to On by pressing the power button underneath the Pod. The power button will light up.
- 3 Using the thermostat, confirm that both **heating** and **cooling** calls cause the 3rd party heat pump to operate as expected.

4

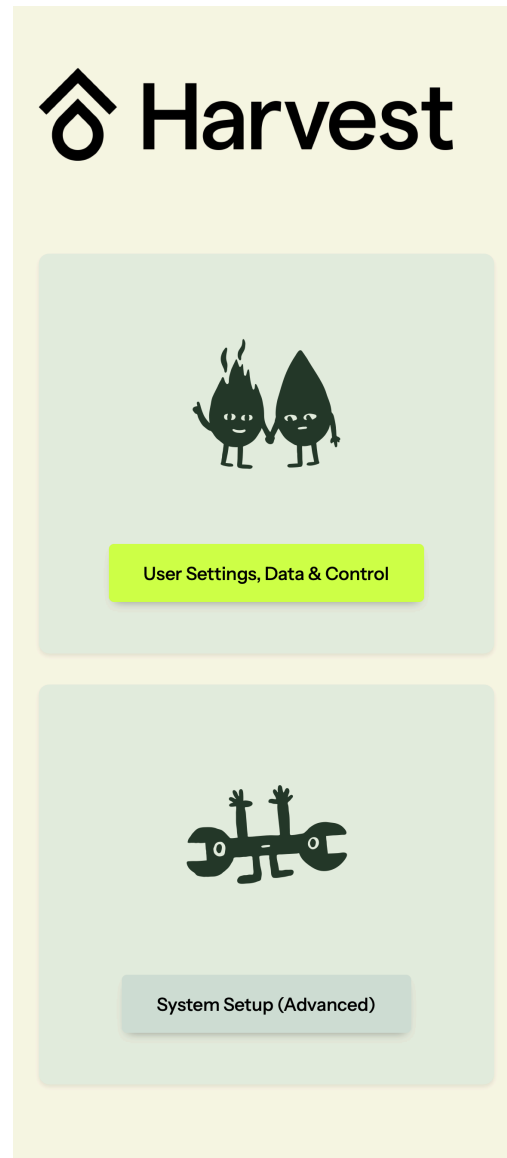
Make a **fan** call using the thermostat, and then set the fan speed at ~400 CFM/ton for the design heating load. i.e. if the design load is 24 kBtu/hr, then find a fan speed as close to 800 CFM as possible.

- Following AHU manufacturer's instructions to set the fan speed. This may be by dip switches, taps on the controller board, or taps on the motor.
 - **AC Pro AIRH-Z-VO:** 'G' fan speed is not configurable. If 'G' fan speed is < 400 CFM/ton of desired hydronic heating, refer to Note 5 on the [24VAC Controlled Heat Pump Wiring diagram](#) to use the E/AUX fan speed. Adjust E/AUX fan speed using SW4 dipswitches.
 - **Bryant/Carrier FT4/5:** ships with the green fan wire on tap 1 of the motor. Move up to a higher tap to get ~400 CFM/ton
 - **Bryant/Carrier 45MUHAQ, 40MBAB, 40MUAA, 45MBAAQ:** 'G' fan speed is not configurable. If 'G' fan speed is < 400 CFM/ton of desired hydronic heating, refer to Note 5 on the [24VAC Controlled Heat Pump Wiring diagram](#) to use the E/AUX fan speed. Adjust E/AUX fan speed using SW4 dipswitches.
 - **Daikin DMZT:** use dip switches S12 and S13 to adjust continuous fan speed.
 - **Fujitsu:** dip switches can be found on the thermostat interface unit (UTY-TTRZ1). Set the fan speed to "med" or "high" to get ~400 CFM/ton
 - **Mitsubishi:** dip switches on the controller board can be changed to configure the available static pressure (0.3, 0.5, 0.8 in w.c.). Choose the appropriate setting to get ~400 CFM/ton. A [PAC-US445CN-1](#) thermostat interface is required to enable control via 24VAC thermostats.
 - **Ruud/Rheem RH2TZ:** ships with the green fan wire on tap 1 of the motor. Move up to a higher tap to get ~400 CFM/ton
 - **GE UUYxxZGDAB, (24, 36, 48, 60 sizes):** Single speed AHU with 7 dipswitch settable fan speeds.

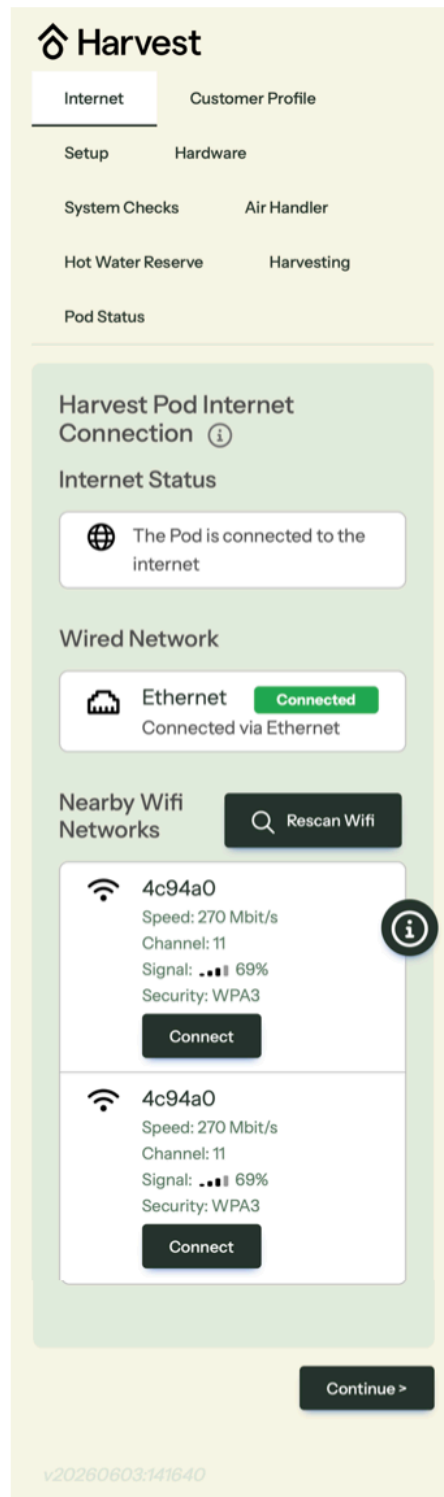
Thermal Battery System Start Up

System Commissioning with the Harvest Tech App

- 1 Power on the Harvest Pod.
- 2 Connect your phone/tablet/laptop to the Harvest Pod's WiFi access point
 - The network name (HarvestPodXXXX) and password can be found on the label on the bottom of the Pod
 - Wait at least 5 minutes after powering the pod before attempting to access the Harvest Tech App.
- 3 Navigate to "<http://harvestpodXXXX.local>" using an internet browser, where "XXXX" is the same as the name of the network.



- 5 Configure the Internet Connection, and look for a green “Connected” indicator:



- 6 Please follow the prompts through the rest of the Harvest App to test and commission the system.

