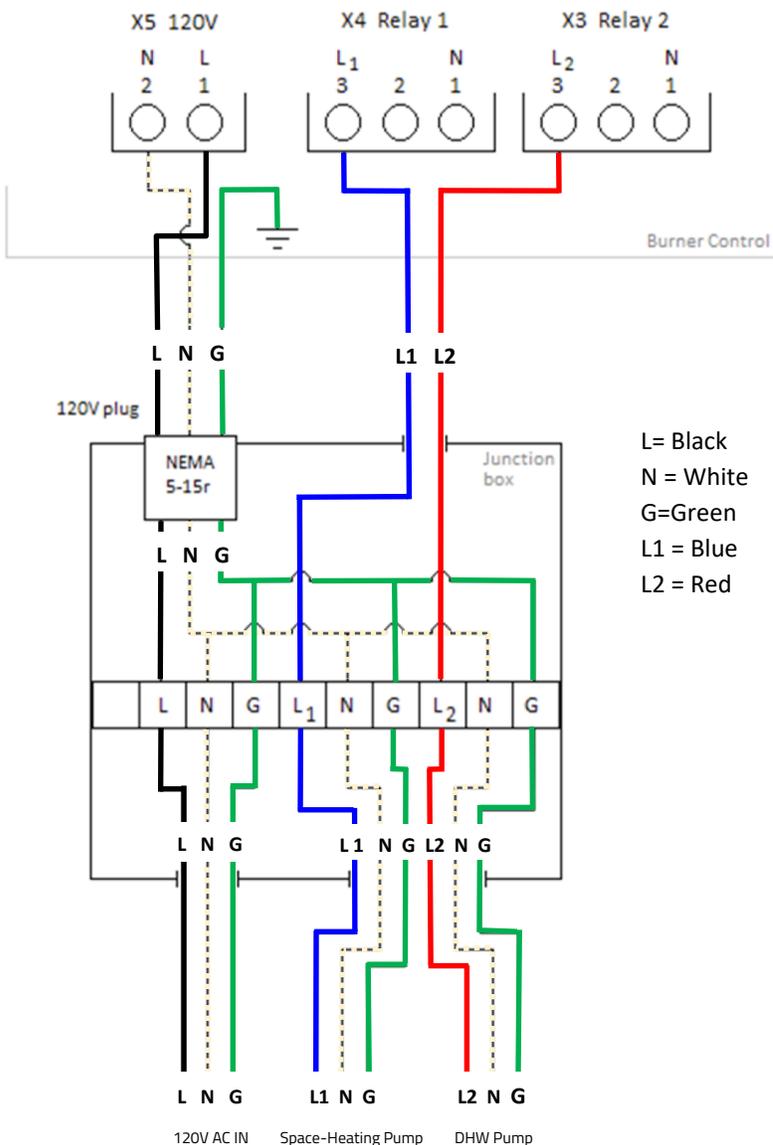
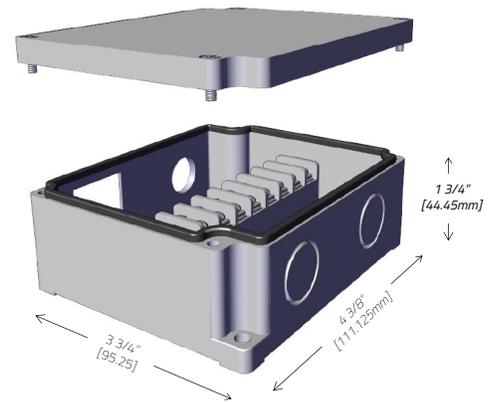


The unit ships with an optional field-wiring junction box. This box provides wiring connections for a space-heating pump, a DHW pump, and an outlet for unit power. A certified harness from the wiring box connects to the movable controller tray.

You do not require a junction box if:

1. External pumps do not need to be controlled for space heating, and
2. There are no DHW indirect or storage tanks.



To install an external junction box to supply power and access to up to two pump relays:

1. Pull out the controller.
2. At the back of the tray, knock out the hole nearest to the power cord using a flathead screwdriver.
3. Feed the junction box cable through the hole and secure to the tray with the connector nut.
4. Connect the blue wire to the X4 terminal, position 3.
5. Connect the red wire to the X3 terminal, position 3.
6. Screw the junction box to the wall within six feet of the tray.
  - Allow clearance for plug use.
  - Allow wire enough slack for easy removal of the tray.
7. Drill out both holes in the junction box.
8. Bring AC Power to terminals labeled **Power Inlet**.
9. Wire the pump(s) to the junction box. If using both relays, wire the pumps to the box with a duplex BX connector.
  - Wire the space heating pump to terminals labeled **Relay 1**.
  - Wire the DHW pump to terminals labeled **Relay 2**.
7. Install the junction box cover.

**Note:** If the junction box is installed AC power must be supplied to the SFC series boiler through the junction box. Do not plug the unit in elsewhere.

24vac powered thermostats can't be connected to the junction box.

If an external zone panel is used you will not need to use the junction box.