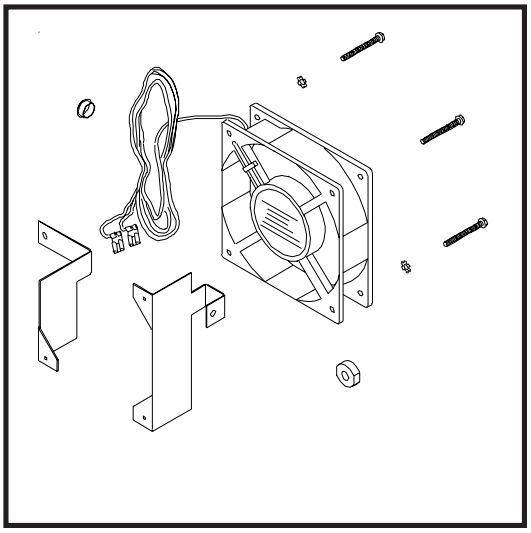
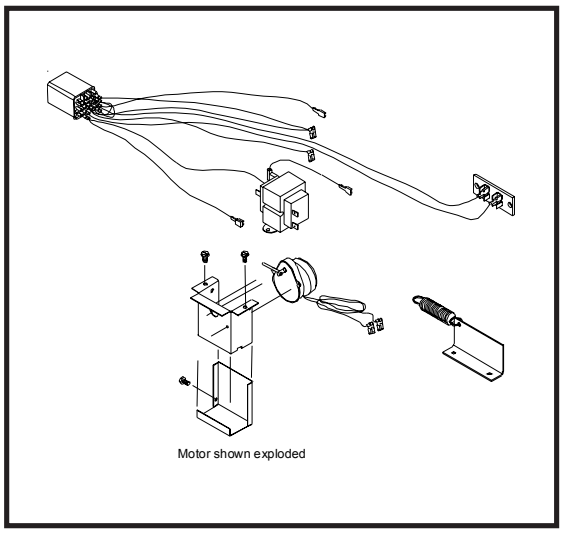
PTAC
POWER VENT & DOOR KIT
INSTALLATION INSTRUCTIONS



Power Vent Kit

This specially designed fan delivers up to approximately 95 CFM of fresh air through the vent while the fan is operating.



Power Door Kit

Automatically opens and closes the vent door depending on fan operation - opens when fan is operating, closes when fan is not operating.

⚠ WARNING

Disconnect electrical power source before installing these kits. Failure to do so may result in injury or death from electrical shock. The unit "OFF" switch does not disconnect all power to the unit.

Preparation

1. Disconnect power to the unit by unplugging the power cord at the wall outlet or subbase, or disconnect power at the fuse box or circuit breaker.
2. If the cabinet front is screwed to the chassis, remove the screw located behind the inlet grille. Pull the inlet grille forward from the top of the grille to access screw.
3. Remove cabinet front from chassis by tilting the bottom of the front forward, lifting slightly up and forward.
4. Remove the PTAC chassis from the wallsleeve. Position the chassis so the back can be easily accessed.

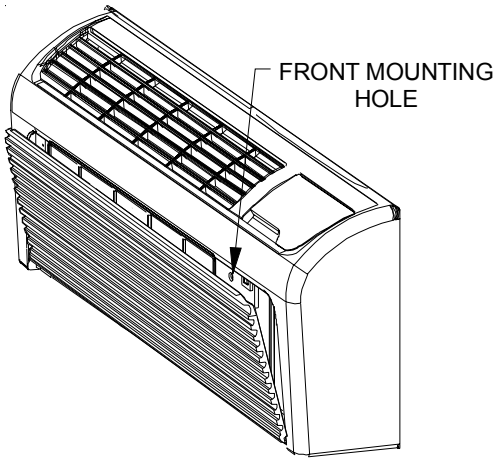


Figure 1

Part No. 11114202
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Power Vent Kit Installation

1. Remove the shipping screw (if installed) from the vent door.
2. Remove the label (if present) from over the vent control lever on the left side of the chassis as shown in Figure 2.

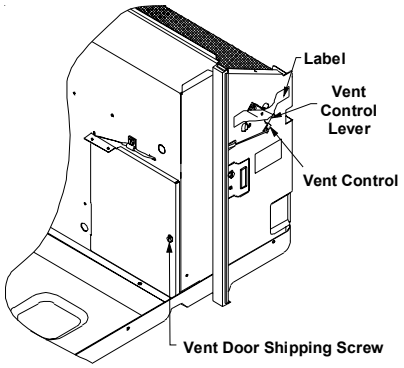

Figure 2

3. Open the vent door with the vent door lever located on the left side of the chassis. Remove the screen filter by removing three screws (Figure 3).

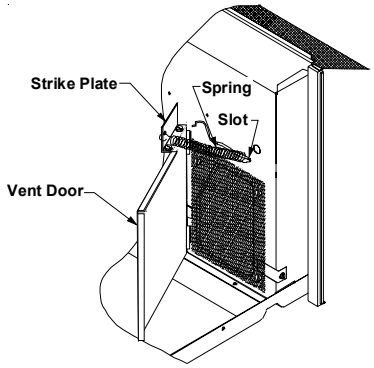

Figure 3

4. Disconnect the cable from the vent door by partially closing the vent door and slightly bending the end of the cable while pulling the Z-shaped end out of the hole in the top of the door (Figure 4).

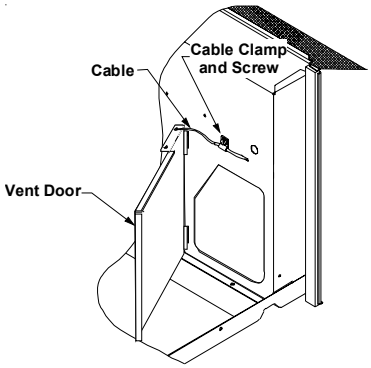

Figure 4

5. Remove the cable clamp from the vent door cable by removing the screw holding the clamp to the partition panel and discard the clamp.
6. Remove the vent door from the slots in the partition panel by lifting the vent door up and carefully pull the door hinges out of the slots. Set door aside.
7. Remove the round sheet metal knockout from the partition panel near the bottom left of the vent door opening (Figure 5).

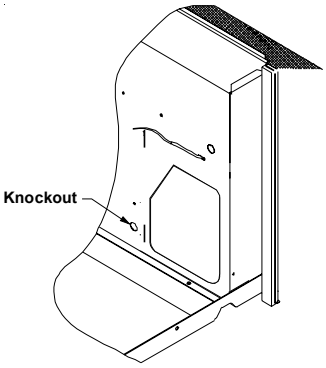

Figure 5

8. Route the two wires from the vent fan through the hole in the panel where the sheet metal knockout is located. The wires should be routed through the vent opening and come out through the wire hole (Figure 6).

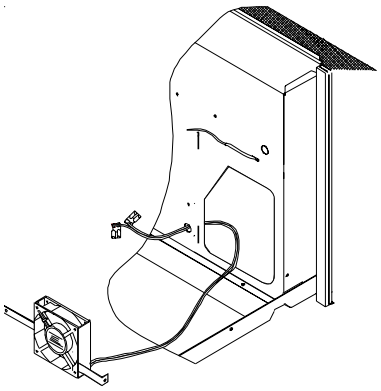

Figure 6

9. Position the vent an into the vent opening while pulling the vent fan wires through the wire hole to take up the slack in the wires (Figure 7).

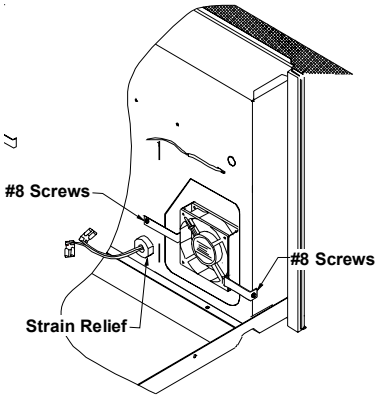

Figure 7

10. Mount the strain relief supplied with the kit into the wire hole with the wires inside the strain relief.
11. Using the two #8 screws provided, attach the vent fan legs to the panel.

Power Door Kit Installation

1. Attach the strike plate to the top of the vent door using the two #8 screws provided (Figure 8).

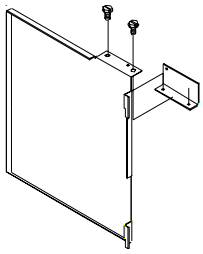

Figure 8

2. Reattach the vent door to the partition panel by inserting the vent door's metal tabs into the panel slots (Figure 5).
3. Reattach the vent filter by locking the bottom lip of the vent filter to the bottom flange of the vent opening. Firmly push the top of the filter into the vent opening until the filter snaps into place.
4. Attach one end of the spring to the slot in the partition panel where the door cable is coming through the panel. Attach the other end of the spring to the hole located in the strike plate which is fastened to the vent door (Figure 9).

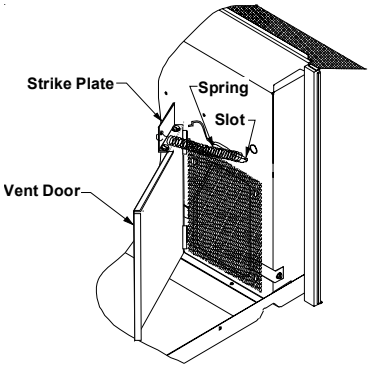

Figure 9

5. Mount the door motor housing with two #8 screws to the provided holes in the partition panel. Ensure the cross pin in the door shaft is rotated around so that it touches the rubber bumper underneath the door motor housing (Figure 10).

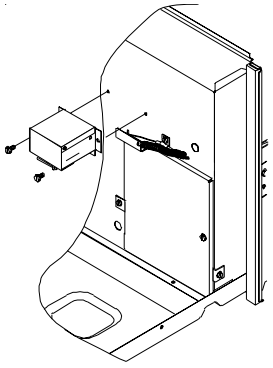

Figure 10

6. With the vent door lever in the closed position, place the end of the cable into the hole located in the door motor housing. This will position the cable away from moving parts (Figure 10).
7. Snap the provided 1/2" plastic grommet into the hole in the top sheet metal condenser wing (Figure 11).

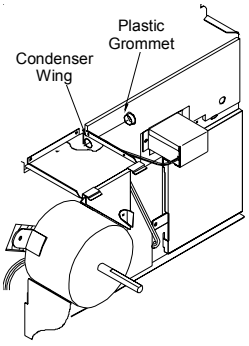

Figure 11

8. Route the door motor and vent fan (PVK kits only) wires through the plastic grommet in the sheet metal condenser wing, through the plastic ring, and then through the hole in the partition panel where the compressor wires are routed through the panel. **NOTE:** The permagum may have to be removed to feed the wires through the partition panel. When finished routing wires through the panel, make sure wires have no slack and replace the permagum back into place to prevent air leaks. (Figure 12).

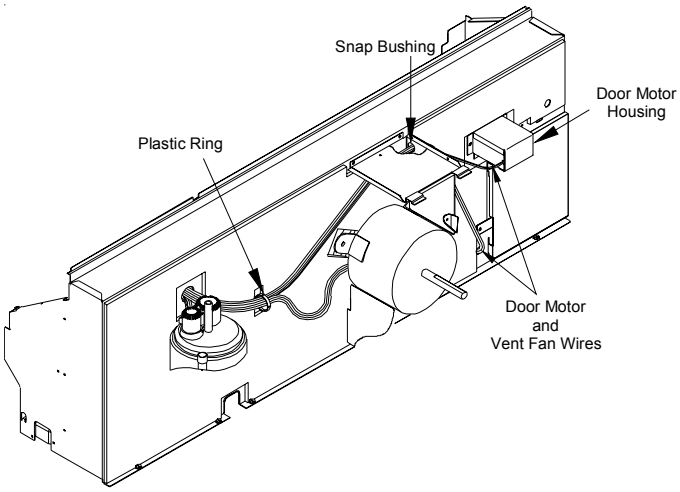

Figure 12

WIRING INSTRUCTIONS

1. To gain access inside the control panel, remove the control knobs and escutcheon, remove the three screws holding the panel in position, and tilt control panel forward, being careful not to pinch any wires (Figure 13).

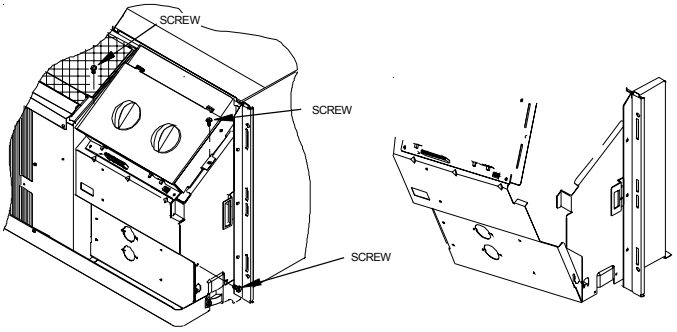

Figure 13

2. Lift the control panel up so the control panel is free of its hinges. Orient the control panel so there is easy access for mounting components to the control panel (Figure 14).

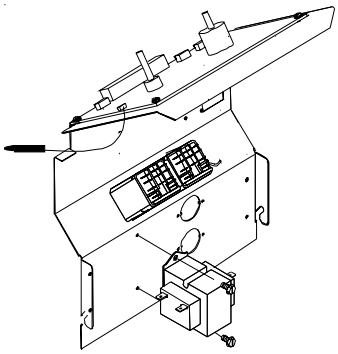

Figure 14

3. Using the two #8 screws that are provided, screw the transformer to the control panel in the transformer mounting holes provided in the panel.
4. Mount the relay in one of the three relay mounting holes in the control panel making sure that the threaded stud is in the smaller hole and the metal tab is in the adjacent hole. Screw the provided nut onto the threaded stud from the opposite side of the control panel.
5. Remove the knockout for the vent switch (Figure 15) located in the control panel and snap the vent switch in the knockout hole with the terminals inside the control panel compartment. The numbers on the switch should be facing toward the control board. Place the supplied label just above the switch.

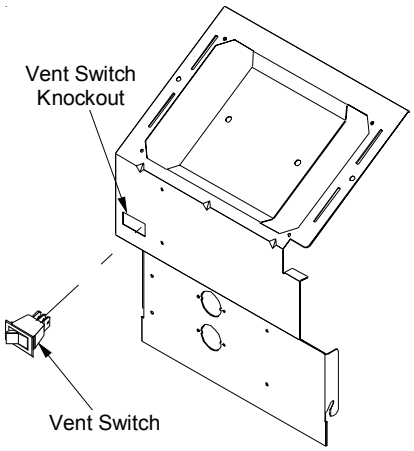

Figure 15

6. Using the two provided #8 screws, attach the terminal strip to the partition panel inside the control panel compartment (Figure 16).

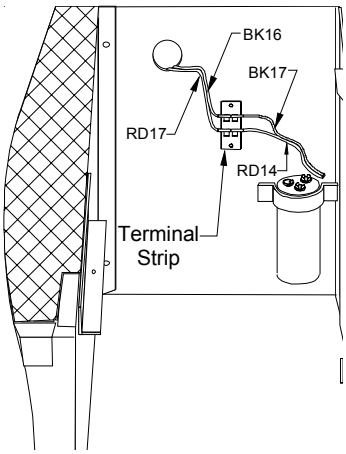

Figure 16

7. Once the wires are routed into the control panel compartment, attach the door motor and vent fan (for PVK kits) terminals to the 24 volt side of the transformer (see Wiring diagrams).
8. Take BK 16 and RD17 fan motor wires from the control board and place on the terminal strip (Figure 16).
9. Take BU10 wire from the #3 terminal of the relay and place on the control board FAN LOW terminal. Take the BU15 wire from the #8 terminal of the relay and place on the piggyback terminal of BU10.
10. Take the BU4 wire from the #4 terminal of the relay and place on the control board FAN HIGH terminal.
11. Please refer to the following schematics for proper electrical wiring if the chassis has any of the following kits previously installed:

Power Vent Kit
Power Door Kit
Hydronic Heat Kit
Hydronic Valves

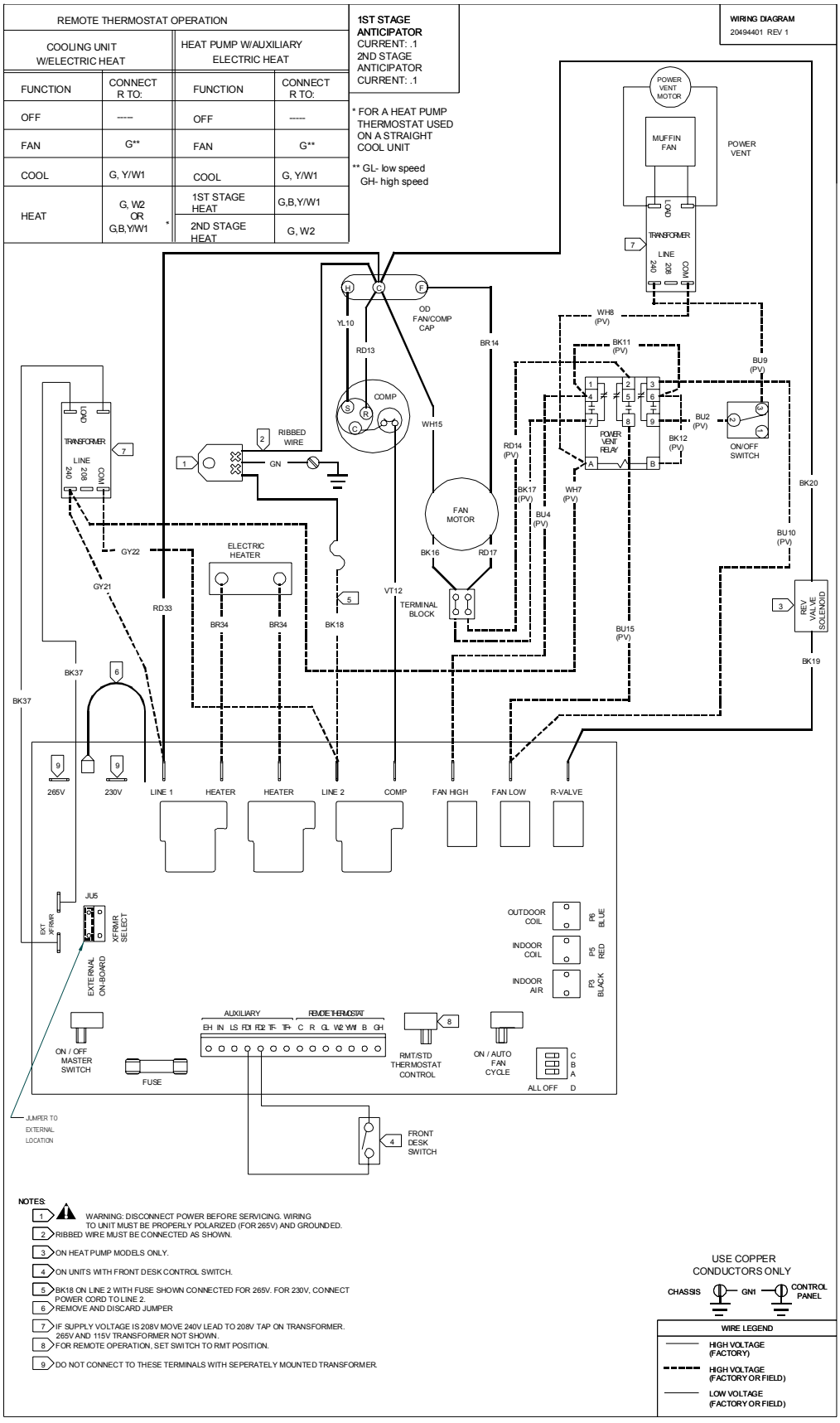

Figure 17

Power Vent/Power Door with Single Stage Heat

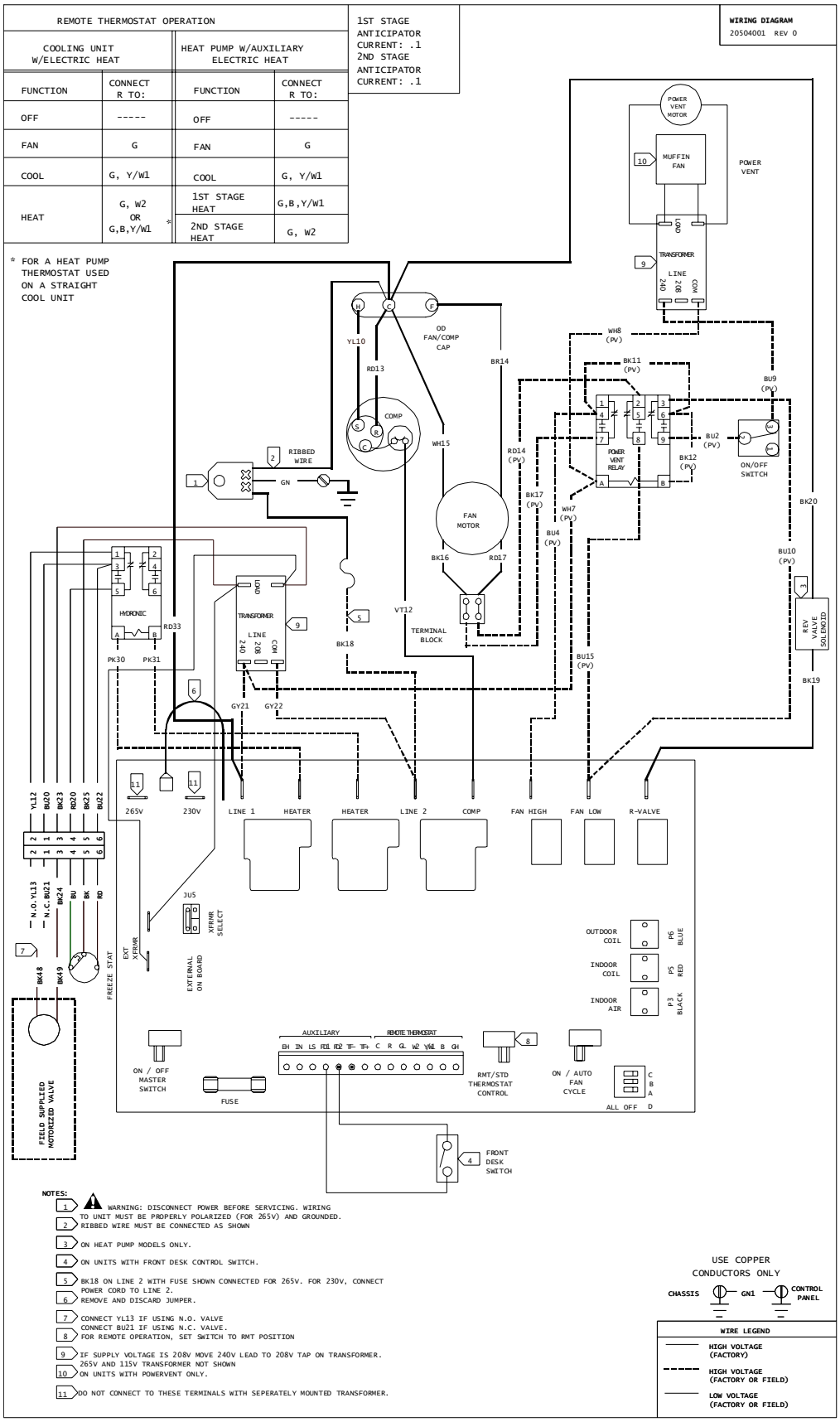

Figure 18

Power Vent/Power Door with Hydronic Kit