

PTAC Hydronic Transformer Kit

Installation Instructions

The hydronic transformer kit must be installed into the PTAC chassis to make the chassis operate electrically with the HWK03 and HVK03 hydronic kits.



WARNING

Disconnect power source before installing this kit.



WARNING

To prevent death or personal injury due to electrical shock, ensure the following:

- The electrical accessories are installed *only* in the pre-drilled mounting holes,
- The electrical wiring is not installed and does not hang *below* the pre-drilled mounting holes or *lie* in the unit base pan.

1. Remove front by rotating bottom outward and then lifting up and out from chassis.
2. To gain access inside the control panel, after removing the knobs and escutcheon, remove the two screws holding panel in position. Tilt control panel forward, being careful not to pinch any wires (Figure 1).

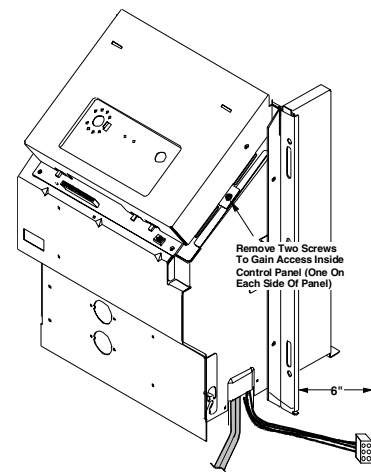


Figure 1



RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

3. 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 2).
4. Using the two #8 screws that are provided, screw the transformer to the control panel in the transformer mounting holes provided in the panel (Figure 2).
5. Mount the relay in one of the three pairs of 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 larger hole. Screw the provided nut onto the threaded stud from the opposite side of the control panel (Figure 2).

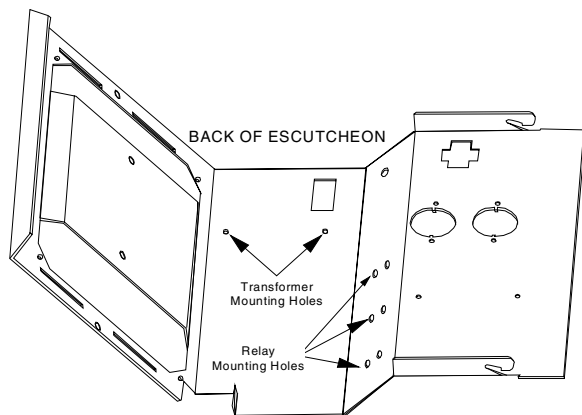


Figure 2

6. Remove the cross shaped knockout from the control panel. Insert the female wire connector into the cross shaped hole from the side of the control panel where the transformer and relay are mounted.

NOTE: If the cross knockout is not located in the control panel, disconnect the terminals of the wire harness from the relay and transformer. Route the wires through the power cord opening in the basepan until about 6 to 8 inches of the harness protrudes from the opening (Figure 1). Reconnect the harness wire terminals to the relay and transformer as follows (Figure 3):

- Wire YL12 to Relay 1 terminal
- Wires BU20, BU22 to Relay 3 terminal
- Wire RD20 to Relay 5 terminal
- Wire BK25 to one Transformer 24V terminal
- Wire BK23 to other Transformer 24V terminal

7. Units with electric heat

Remove the BR heater wires from the control board and push these wires through the mid partition panel so that the wires will not be loose in the control panel area.

Units with 2 stage electric heat

Disconnect the BR34, BR35, BR/YL36, VT20, VT19, VT17, and VT18 heater wires from the control board. Remove the heater relay and wires from chassis and discard. Push the heater wires (BR34, BR35, and BR/YL36) through the mid partition panel so the wires will not be loose in the control panel area.

8. Connect the PK30 and PK31 wires from the relay to the heater terminal next to the Line 1 terminal and to the heater terminal next to the Line 2 terminal respectively, on the control board (Figure 3).
9. Remove the RD33 and Line 2 power cord (BK18 for 265 volt units) wires from the control board. Connect the GY21 and GY22 wires from the transformer to the Line 1 and Line 2 terminals, respectively. On the control board, reconnect the RD 33 and Line 2 power cord (BK18 for 265 volt units) wires to the piggy back terminals of the GY21 and GY22 wires on the control board, respectively (Figure 3).

Units with power vent or power door kit installed in the chassis

Remove the WH7 wire from the Line 1 terminal on the control board and connect the WH7 wire to the GY21 wire at the transformer (Figure 3).

10. Install the control panel back onto its hinges. Close the control panel being careful not to pinch any wires. Reinstall the control panel cover and screw control panel back into place.
11. See hydronic installation instructions to finish installing hydronic heat kit.

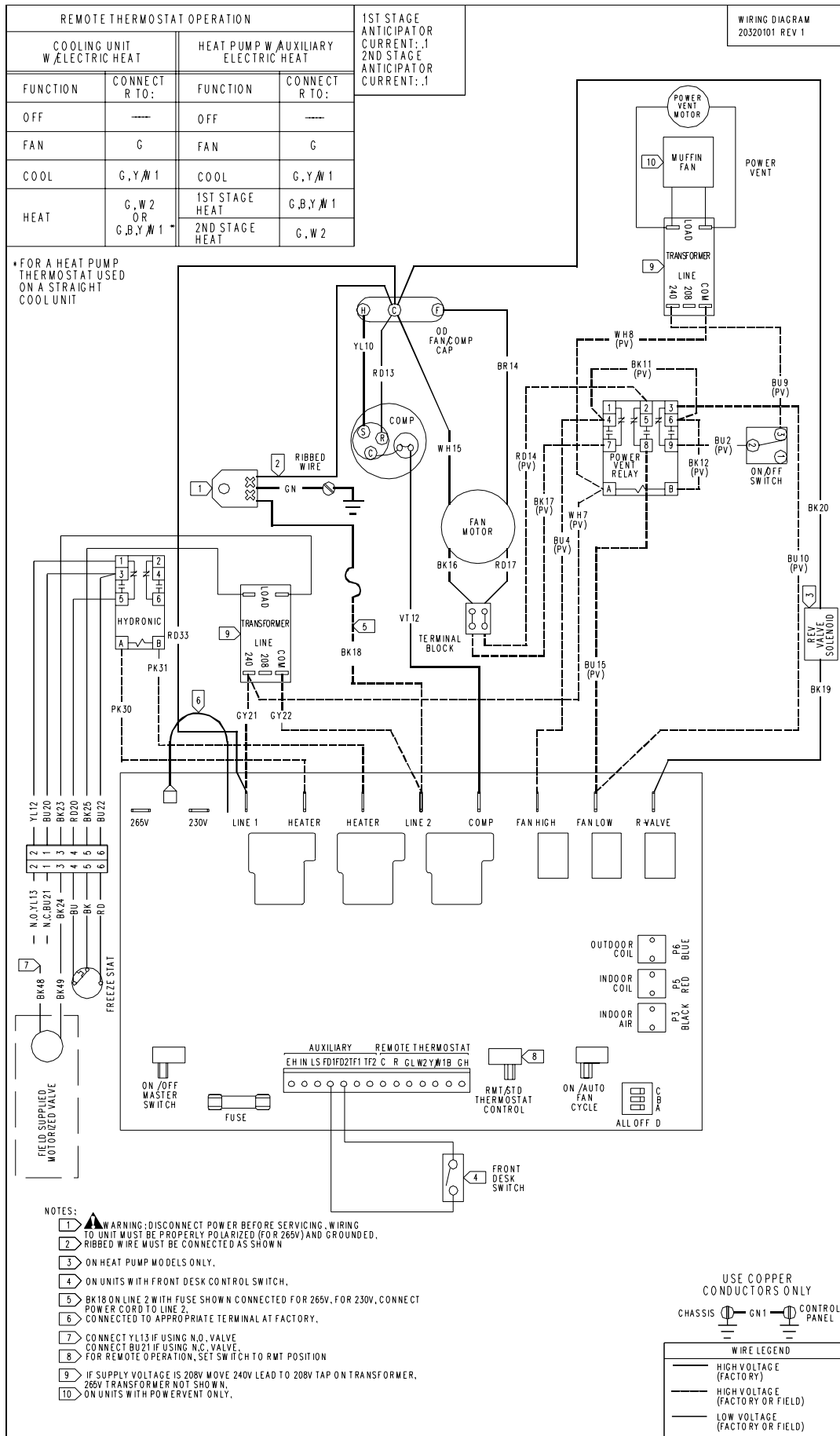


Figure 3