

PTAC WIRE HARNESS KIT (PWHK01C)

INSTALLATION INSTRUCTIONS

Description

The PTAC Wire Harness kit provides connection from the 14-pin or 18-pin terminal strip on the PTAC control board to the following board features:

Door Switch*

Motion Sensor*

Emergency Hydronic Heat**

Load Shedding**

Front Desk Control**

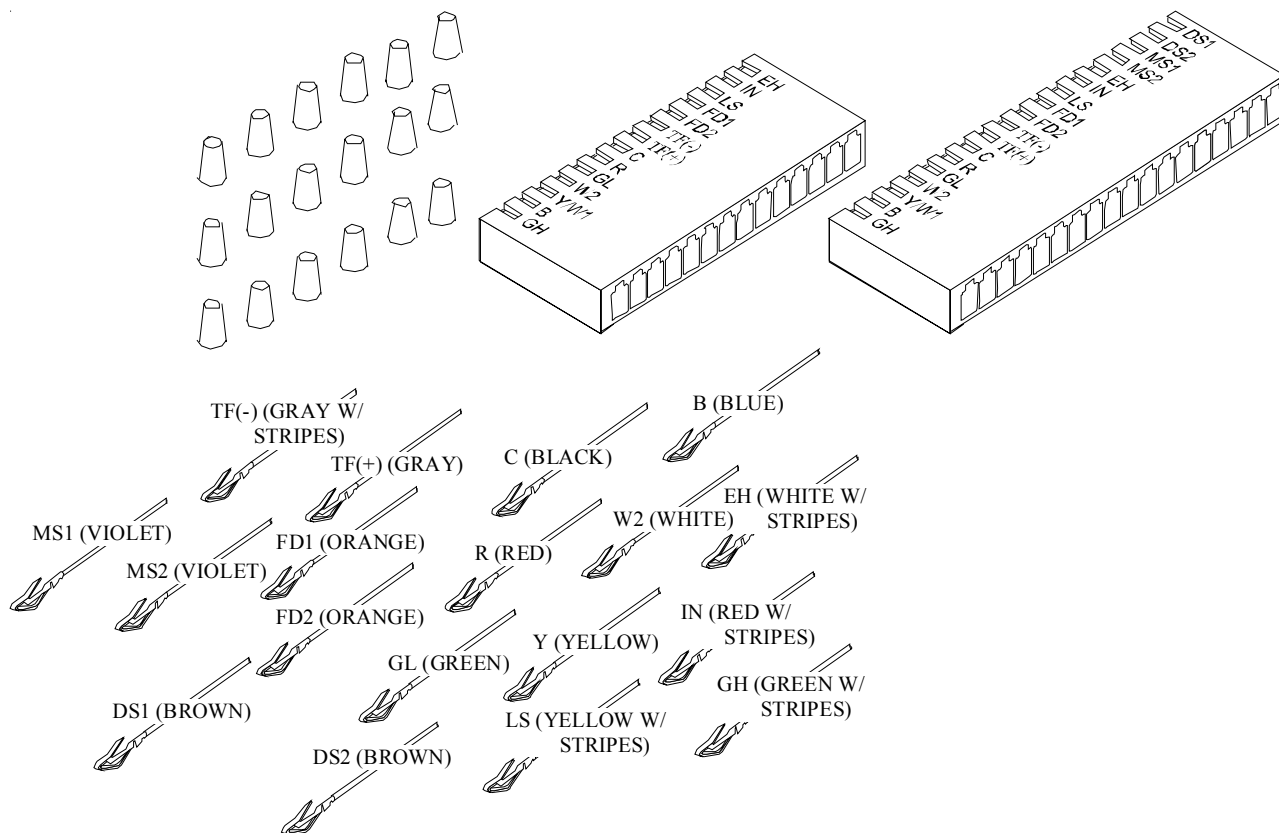
Transfer Fan (relay must be manufacturer-approved and have a DC low voltage coil)

Remote Thermostat (must be manufacturer-approved)

The kit includes a 14-pin and an 18-pin female housing with 18 jumper wires and wire nuts. The installation and servicing of this equipment should be performed by qualified, experienced technicians.

**Contact your sales person for proper manufacturer-approved devices and wiring instructions.*

***If other than a "dry switch" is used in connecting these features, consult manufacturer before proceeding.*



Due to policy of continual product improvement, the right is reserved to change specifications and design without notice.

INSTALLATION



WARNING

DISCONNECT ELECTRICAL POWER SOURCE BEFORE WIRING THE UNIT. 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.

1. Disconnect power and remove the front panel per unit installation instructions.
2. Remove 14-pin (or 18-pin, if applicable) female housing from control board.**

Using the following table and either Figure 1 or 2 as guides, (Figure 1 for boards with knobs; Figure 2 for boards with touchpads) choose the feature desired and insert the proper jumper wire into the appropriate slot on the housing. Ensure the jumper wires are oriented as shown in Figure 3.

Re-install the 14-pin or 18-pin housing. Ensure housing faces the direction shown in either Figure 1 or 2. Take

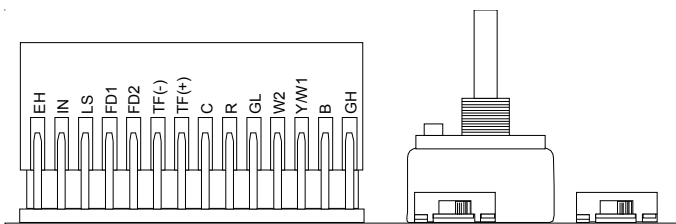


Figure 1: Control Knobs (14-pin Units)



WARNING

ALL WIRING MUST COMPLY WITH APPLICABLE LOCAL AND NATIONAL CODES. TYPE AND LOCATION OF FUSED DISCONNECT SWITCH(ES) MUST COMPLY WITH ALL APPLICABLE CODES.

care to ensure the plastic housing and metal pins are aligned correctly; otherwise, the unit will not function properly.

NOTE: Only load wires intended for installation. Extra wires can be used to connect other PTAC boards. One PWHK01C kit can be used for multiple boards.

3. Connect the kit wiring to the field wiring using the wire nuts provided. Route the kit wiring as shown in Figure 4. Do not run wires through basepan or wall sleeve.
4. With the unit in the OFF position, reconnect the power and ensure the master switch is in the ON position.
5. Reinstall the front cover per unit installation instructions. Check the unit for proper operation.

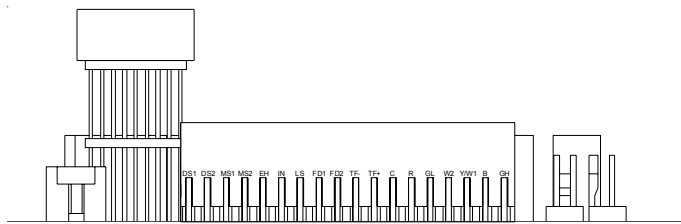
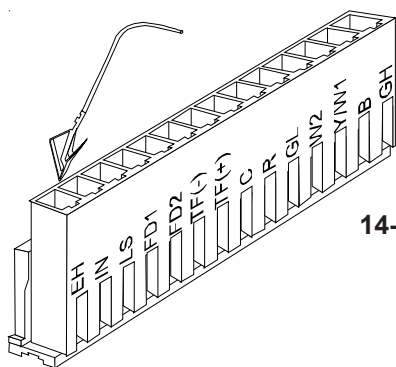


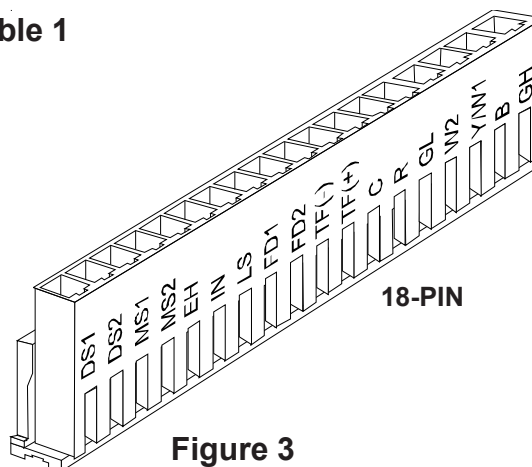
Figure 2: Touchpad (18-Pin Units)

Feature	Pins Used
Emergency Hydronic Heat	EH, IN
Load Shedding	LS, IN
Front Desk Control	FD1, FD2
Transfer Fan	TF(-), TF (+)
Remote Thermostat	C, R, GL, W2, Y/W1, B, GH
Motion Sensor*	MS1, MS2
Door Switch*	DS1, DS2

Table 1



14-PIN

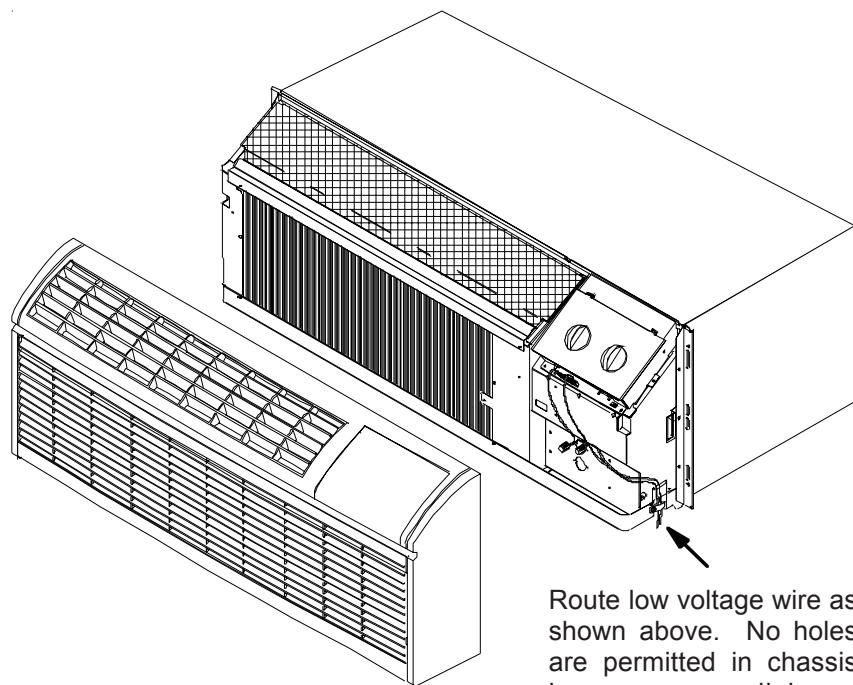


18-PIN

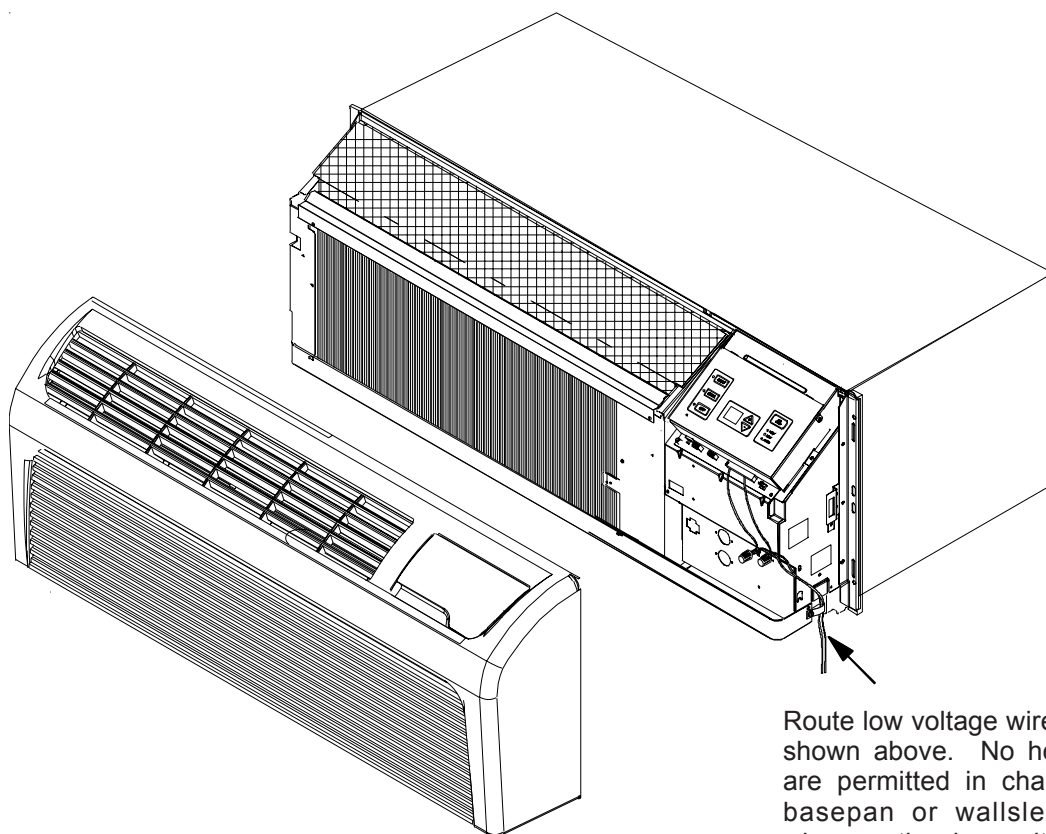
Figure 3

*These features and connections are only available on touchpad control 18-pin units.

**If a female housing is not present on the control board, use the housing supplied with this kit.



Route low voltage wire as shown above. No holes are permitted in chassis basepan or wallsleeve when routing low voltage wire.



Route low voltage wire as shown above. No holes are permitted in chassis basepan or wallsleeve when routing low voltage wire.

Figure 4

