FRIEDRICH

PTAC Power Cord Accessory Kit

For use with Packaged Terminal Units

Please read these instructions completely before attempting installation.

NOTE: These instructions apply to the installation of Friedrich Power Cord Accessory Kits only. If the unit you are installing the power cord on is not listed here, refer to www.friedrich.com to obtain the most up to date instructions, which may include your unit.

IMPORTANT: Follow the table below to determine the correct power cord to install on the PTAC unit

Electrical Heater Data									
MODEL	HEATER kW	Power Cord Kit	Voltage	BRANCH CKT AMPS	MCA	Watts	Cord length	Receptacle	
PVH12K	1.5	PC23015	230/208	15	13.9	1500	67"	NEMA 6-15r	
PDE07K*, PDE09K*, PDE12K*, PDE15K* PDH07K*, PDH09K*, PDH12K*, PDH15K* PVH09K	2.5	PC23015	230/208	15	13.9	2500	67"	NEMA 6-15r	
PVH12R	1.5	PC26515	265	15	7.3	1500	18"	NEMA 7-15r	
PDE07R*, PDE09R*, PDE12R*, PDE15R*, PDH07R*, PDH09R*, PDH12R*, PDH15R* PVH09R	2.5	PC26515	265	15	7.3	2500	18"	NEMA 7-15r	
PDE07K, PDE09K, PDE12K, PDE15K PDH07K, PDH09K, PDH12K, PDH15K PVH09K, PVH12K	3.5	PC23020	230/208	20	19.9	3600	67"	NEMA 6-20r	
PDE07R, PDE09R, PDE12R, PDE15R PDH07R, PDH09R, PDH12R, PDH15R PVH09R, PVH12R	3.5	PC26520	265	20	16.8	3500	18"	NEMA 7-20r	
PDE09K, PDE12K, PDE15K PDH09K, PDH12K, PDH15K PVH12K	5.0	PC23030	230/208	30	27.5	5000	67"	NEMA 6-30r	
PDE09R, PDE12R, PDE15R PDH09R PDH12R, PDH15R PVH12R	5.0	PC26530	265	30	23.8	5000	18"	NEMA 7-30r	
*** 15 amp power cords require the removal of a jumper for installations on PDH/PDE Models**									
PDE/PDH Standard power cord installed on each unit (7-12k-3.5KW), (15K-5.0 KW). Optional 2.5Kw, 3.5Kw or 5kW through universal heater cord selection									
PVH Standard power cord installed on each unit (9-12k-3.5KW). Adjustable heater size shown in chart above. Note 30A cord not compatible with the 9k unit.									

⚠WARNING

Electrical Shock and/or Unit Operation and Damage Hazard

Failure to follow this warning could result in personal injury or death and/or unit damage.

- Follow the National Electrical Code (NEC) or local codes and ordinances.
- For personal safety, this unit **MUST BE** properly grounded.
- Protective devices (fuses or circuit breakers) acceptable for unit installations are specified on the nameplate of each unit.
- **Do not** use an extension cord with this unit.
- Aluminum wiring in the building may present special problems - consult a qualified electrician.
- **Even when unit is turned OFF, there is still voltage to the electrical controls.**
- Disconnect power to unit before servicing by:
  1. Removing power cord (if it has one) from wall receptacle.
  2. Removing branch circuit fuses or turning circuit breakers off at panel.

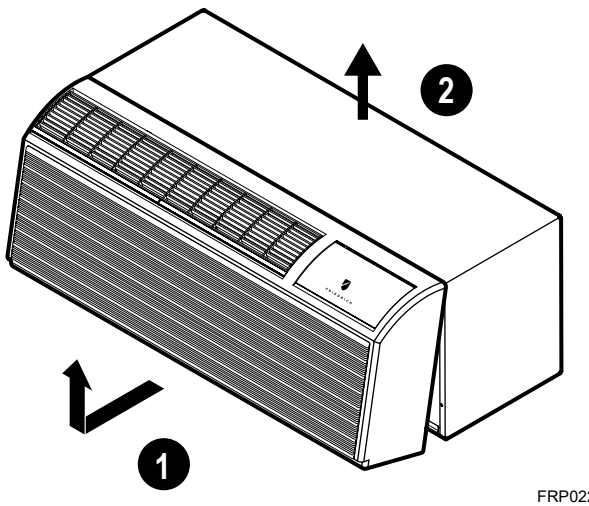
FUSE/CIRCUIT BREAKER	Use ONLY type and size fuse or HVAC/R circuit breaker indicated on unit's rating plate. Proper current protection to the unit is the responsibility of the owner.
GROUNDING	Unit MUST be grounded from branch circuit through service cord to unit, or through separate ground wire provided on permanently connected units. Be sure that branch circuit or general purpose outlet is grounded. The field supplied outlet must match plug on service cord and be within reach of service cord. Refer to Table 1 for proper receptacle and fuse type. Do NOT alter the service cord or plug. Do NOT use an extension cord.
RECEPTACLE	The field supplied outlet must match plug on service cord and be within reach of service cord. Refer to Table 1 for proper receptacle and fuse type. Do NOT alter the service cord or plug. Do NOT use an extension cord.

CONNECTING THE CORD

1. Remove the front panel (see figure 1)
Pull out at the bottom to release it from the tabs (1). Then lift up (2).

NOTE: If the unit is mounted flush to the floor, the service cord MUST be rerouted at the bottom of the front cover on the side closest to the receptacle. A notch MUST be made in the front cover side where the cord exits the unit. It is the responsibility of the installer to create an exit notch.

Figure 1
Removing the Front Panel



All 265V PTAC units come with a factory installed non-LCDI power cord for use in a sub-base. If the unit is to be hard-wired refer to the instructions below.
NOTE: It is recommended that the PXSB sub-base assembly, the PXCJA conduit kit (or equivalent) be installed on all hardwired units. If installing a flush-floor mounted unit, make sure the chassis can be removed from the sleeve for service and maintenance.
Remove junction box.

2. Remove junction box cover. See figure 2a and 2b

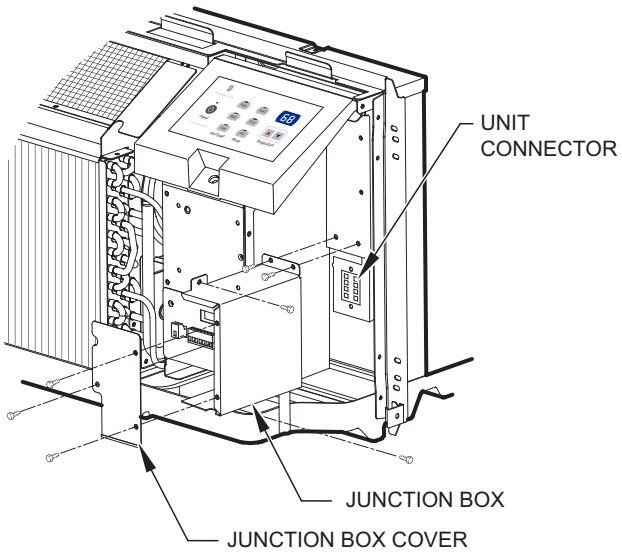


Figure 2a (PDE/ PDH Models)

Figure 2b (PVH Models)

3. For 15 amp power cord installations on PDE/PDH models, remove red jumper wire from pins 4 and 5 of the power cord adapter plug. Using a small flat head screwdriver, push small plastic tab in terminal and jumper leads will pull out.
See Figures 3a and 3b

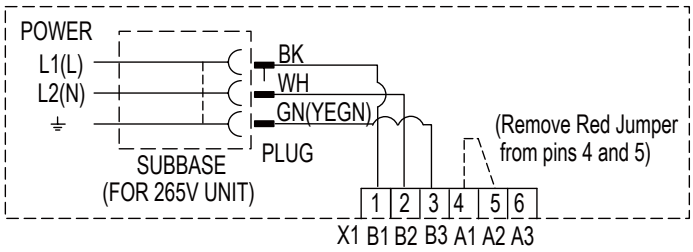


Figure 3a

Figure 3b

4. Plug cord into connector. See figures 4a and 4b.

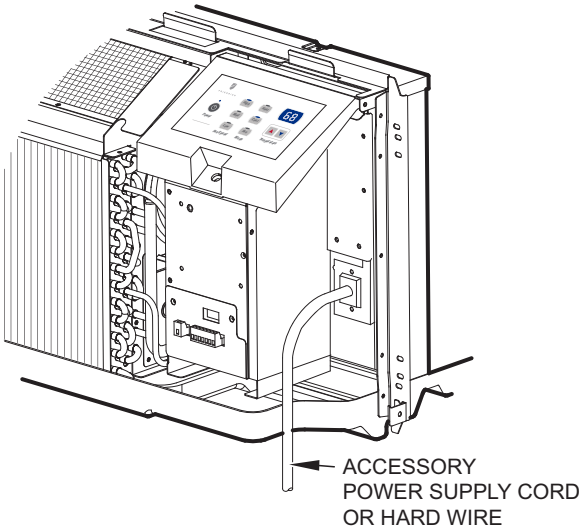


Figure 4a (PDE/ PDH Models)

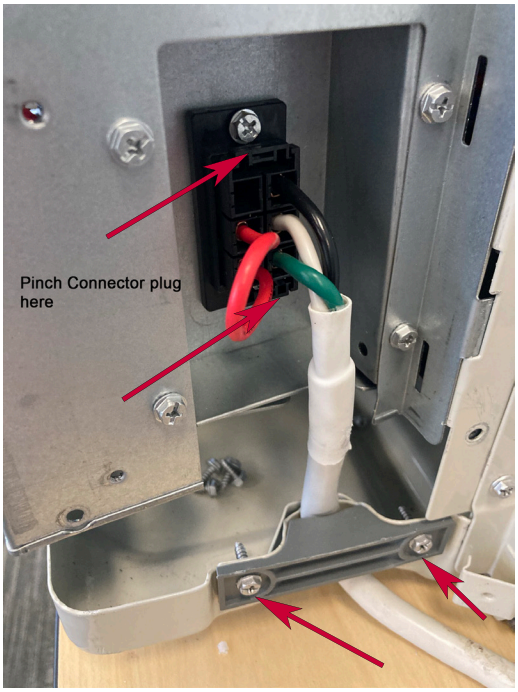


Figure 4b (PVH Models)

5. Reinstall junction box and cover.
   a. Use wire clamp to attach power cord to basepan. Secure with screws.
   b. Replace junction box and cover with screws removed from Step 2. Tighten securely.

NOTE: The wire clamp on your unit may be have a slightly differnt appearance and location then the cover shown below.
See figures 4b and 5

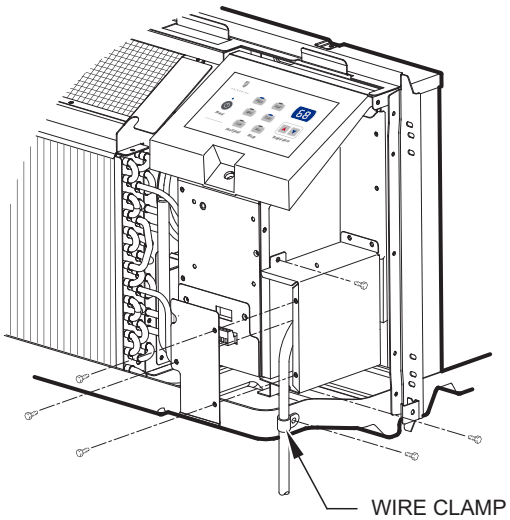


Figure 5 (PDE/ PDH Models)

6. Replace front panel. See Figure 6.

Place tabs over top rail (1). Push inward at bottom until panel snaps into place (2).

Figure 6
Replacing Front Panel

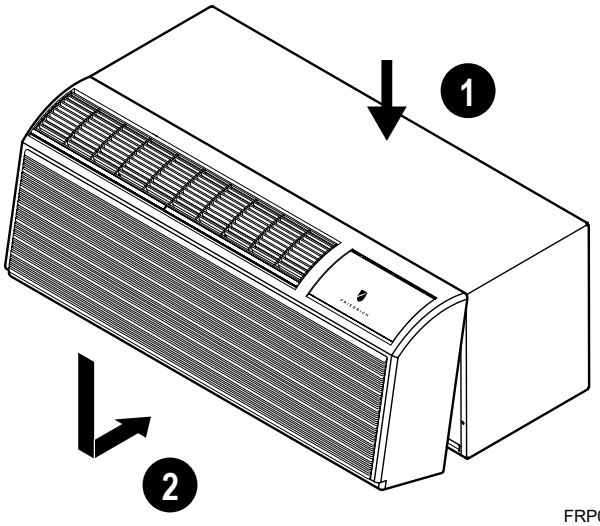


Figure 6

POWER CORD LCDI TEST

All Friedrich 230/208V PTAC units are shipped from the

factory with a Leakage Current Detection Interrupter (LCDI) equipped power cord. The LCDI device meets the UL and NEC requirements for cord connected air conditioners.

To test your power supply cord:

1. Plug power supply cord into a grounded 3 prong outlet.
2. Press RESET.
3. Press TEST (listen for click; Reset button trips and pops out).
4. Press and release RESET

   a. Listen for click; Reset button latches and remains in.

   b. Check that the green indicator light is on once reset.

   c. The power supply cord is ready for operation.

NOTE: The LCDI device is not intended to be used as a switch.

Once plugged in the unit will operate normally without the need to reset the LCDI device.

If the LCDI device fails to trip when tested or if the power supply cord is damaged it must be replaced with a new supply cord obtained from the product manufacturer, and must not be repaired.

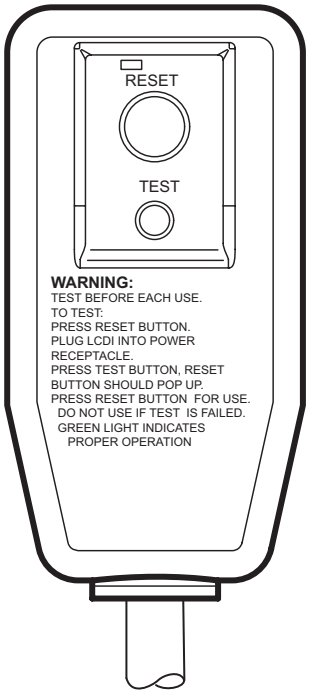


Figure 7 (Test LCDI)