

Bottom Power Entry Kit

Installation Instructions

(*)P4SM Model Series Accessory 7.5/10 Ton Packaged A/C Units

This kit is designed to allow passage of high and low voltage wiring connections through the unit bottom panel on all (*)P4SM Series units.

WARNING:

This kit is to be installed by a qualified service technician in accordance with these instructions and all codes having jurisdiction. Failure to follow these instructions could result in serious injury, property damage, or death.

WARNING:

All electrical wiring must comply with the latest edition of the National Electrical Code ANSI/NFPA 70.

These instructions are primarily intended to assist qualified individuals experienced in the proper installation of this appliance. Some local codes require licensed installation/service personnel for this type of equipment.

This Kit Includes:

- 1 – Bottom Power Service Box
- 1 – Bottom Power Service Box Cover
- 1 – Length of 3/4" flexible conduit
- 1 – Extra Parts Package which includes:
 - 8 - #10 x 1/2" sheet metal screws
 - 2 - 3/4" flexible conduit connectors
 - 1 - 2" X 6" RSC Pipe w/fittings
 - 2 - 2" X 1" Knockout reducer bushings
 - 1 - Installation instruction sheet

Installation:

1. Remove the field wiring compartment and blower compartment access panels.
2. Remove the knockout covers located at the bottom of the service disconnect mounting panel and interior heat exchanger/ blower divider panel.

3. Remove the power service box mounting plate located below the blower assembly and route field wiring through bottom of unit. 7/8" knockouts are provided for high and low voltage conduit connections. Holes may be punched larger as required. Make proper connections to mounting plate and secure back in place.
4. Attach the bottom power service box to the mounting plate with four screws provided in the extra parts package.
5. Secure the 2" x 6" RSC nipple evenly between the right side service box and Blower/Heat Exchanger divider panel knockouts using the 2" locknuts provided. (One each end.) Cap using the 2" insulating bushings to avoid wire abrasion.
6. Route flexible conduit through 7/8" diameter hole provided in divider panel. Install one 7/8" insulating bushing and flexible connector on each end of conduit. Complete assembly by attaching one end to the low voltage knockout on the left side of the service box and the other end to the rear of the low voltage field wiring panel. Secure using locknuts provided.
7. Complete high voltage side wiring requirements by installing appropriate field supplied fittings and conduit from service disconnect to conduit knockout provided at bottom of unit end panel. **Note:** Kits are shipped with two 2" x 1" conduit knockout reducer bushings for units requiring smaller gage field wire. Other (field supplied) reducers are approved for use to meet specific conduit size requirements.
8. Route high voltage wiring through 2" conduit and out through field supplied connections to disconnect. Make all appropriate connections.
9. Route low voltage wiring from bottom power service box, through flexible conduit, and into the low voltage control panel. Make all appropriate connections.
10. Check all wiring and conduit connections and tighten as required.
11. Attach service box cover using the remaining four screws provided.
12. Caulk around area where conduit passes through interior divider panel to ensure an air/water tight seal.
13. Replace all panels.

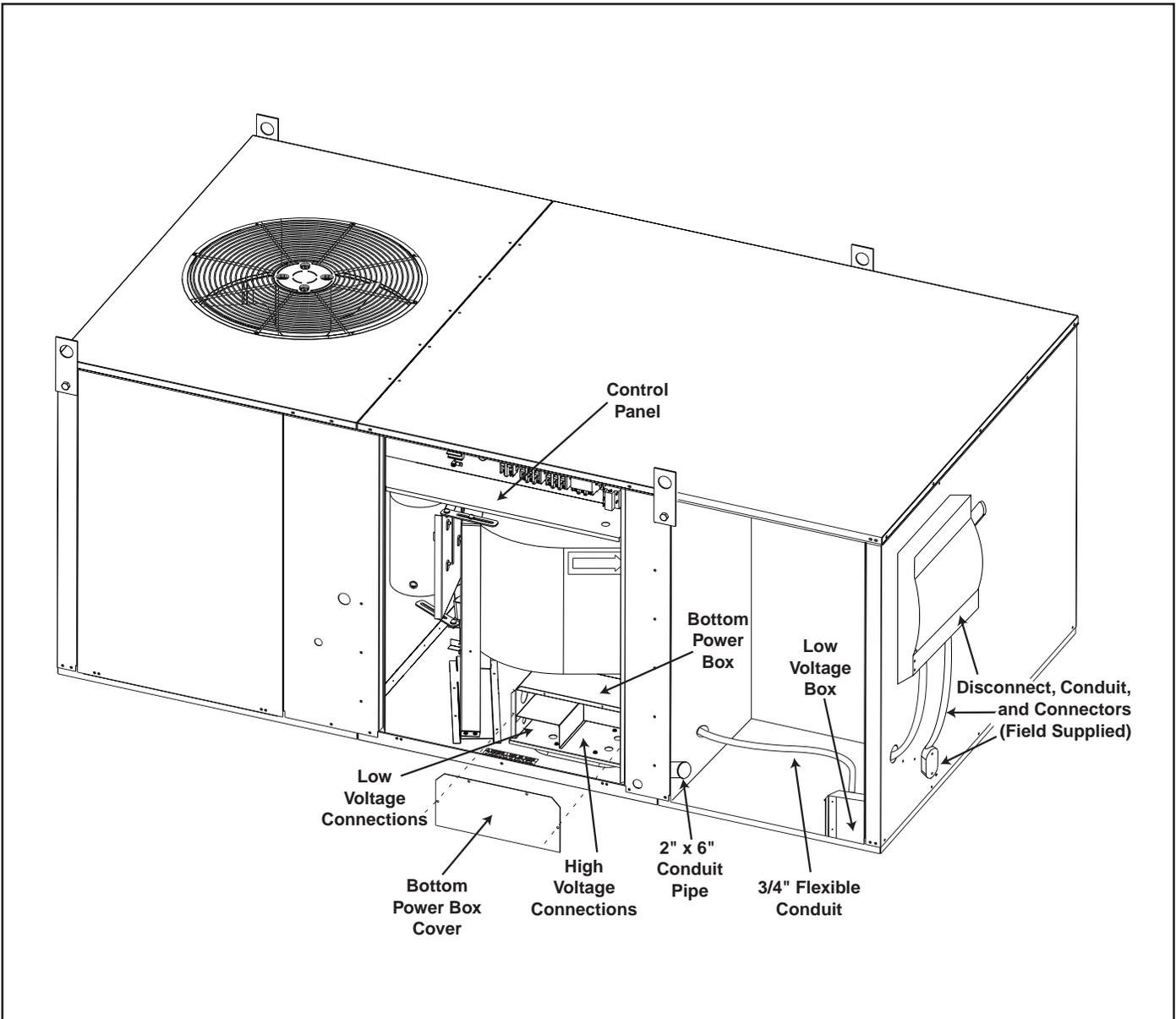


Figure 1. (*)P4SM Bottom Power Entry Kit



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