

## Bottom Power Entry Kit

# Installation Instructions

### R4GM Model Series Accessory

This kit is designed to allow passage of high and low voltage wiring connections through the unit bottom panel on all R4GM 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 1-1/4" flexible conduit
- 2 – 1-1/4" flexible conduit connectors
- 1 – Extra Parts Package which includes:
  - 8 - #10 x 1/2" sheet metal screws
  - 2 - 6" plastic wire ties
  - 1 - Installation instruction sheet

#### **Installation:**

1. Remove the compressor compartment, control compartment, and blower compartment access panels.
2. Remove the knockout covers located at the bottom of the service disconnect mounting panel and interior compressor/ 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 one conduit connector to the mounting hole located on the side of the bottom power service box. Secure using locknut provided.
5. Attach the bottom power service box to the mounting plate with four screws provided in the extra parts package.
6. Attach remaining connector to one end of the flexible conduit. Route the other end of conduit through the divider panel and over to the connector mounted on the bottom power service box. Secure in place.
7. Install remaining conduit connector to the service disconnect mounting panel and secure with locknut.
8. Complete high voltage wiring installation using appropriate field supplied fittings, conduit, and service disconnect.
9. Route high voltage field wiring through the conduit and make all appropriate connections.
10. Route low voltage wiring out of the service box and along flexible conduit. Staying inside the blower compartment, run wiring up along the corner where the interior divider panel meets the service disconnect panel and into the low voltage compartment of control panel.  
**NOTE:** A plastic grommet is provided in bottom of low voltage compartment for this purpose.
11. Check all wiring and conduit connections and tighten as required.
12. Attach service box cover using the remaining four screws provided.
13. Caulk around area where conduit passes through interior divider panel to ensure an air/water tight seal.
14. Replace all panels.

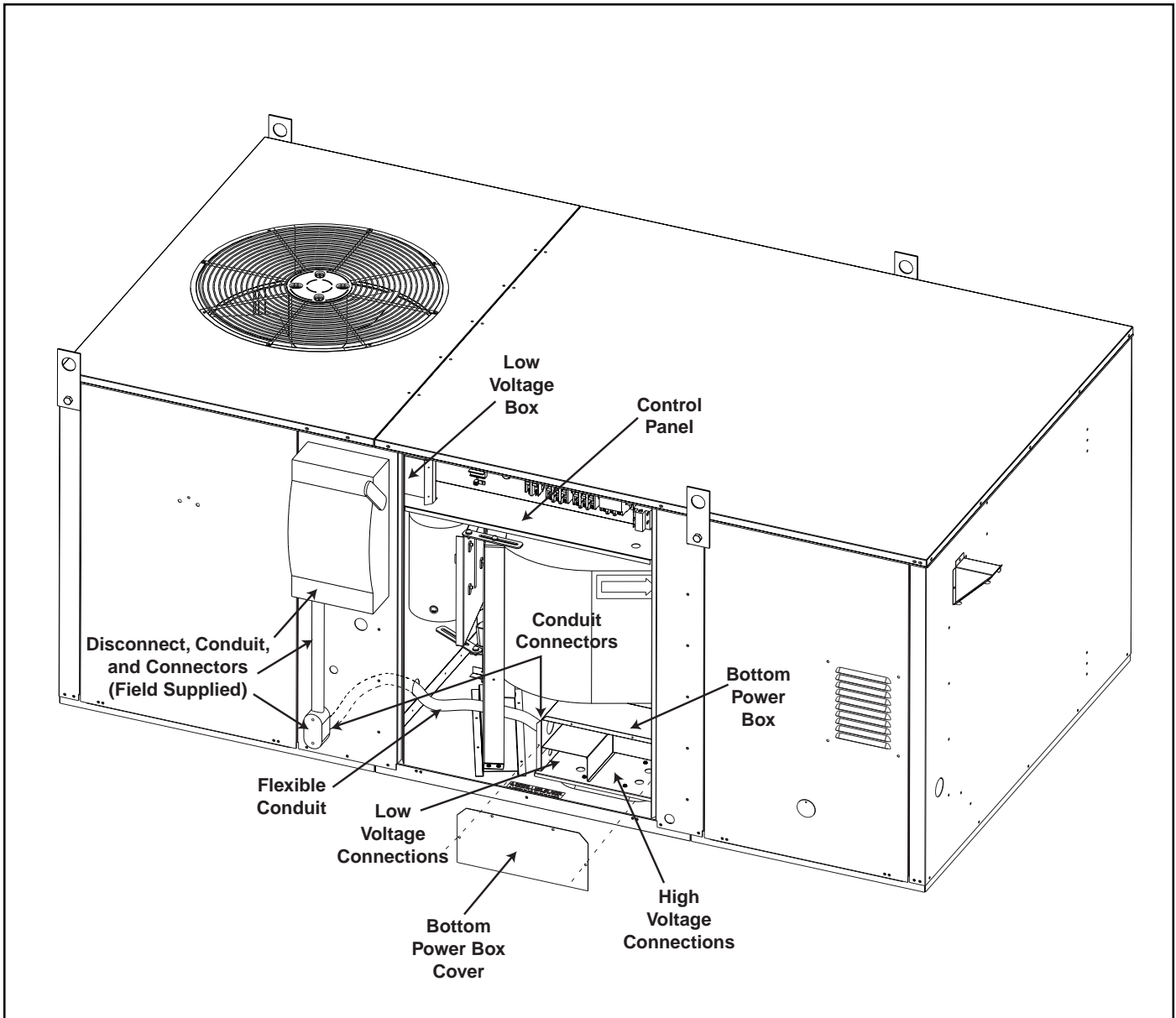


Figure 1. R4GM Bottom Power Entry Kit



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