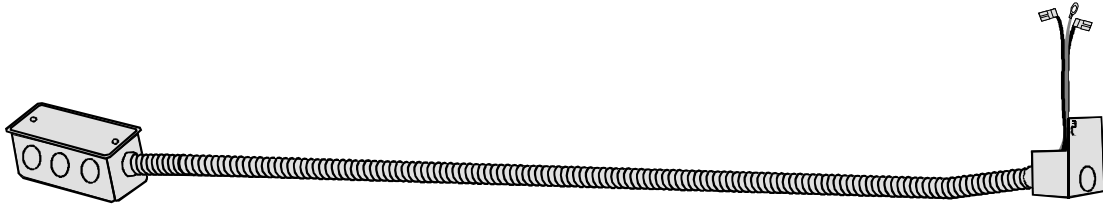


Hardwire Junction Kit

Installation Instructions



Description

Hardwire Junction Box (Direct Wire Sub-Base)

The hardwire junction box kit is used to direct wire the unit when it is not desirable to use the standard unit subbase or the unit power cord. The junction box provides a protected enclosure for electrical connections as required by some electrical codes.

The hardwire junction box is intended to be mounted on the floor or the adjacent wall.

The junction box is furnished with approximately 2-1/2 feet of 1/2 inch flexible steel conduit and a metal box for securing the conduit to the unit cabinet at the incoming power opening.

An optional 230/208V or 265V power switch assembly is available for use with the hardwire junction box or subbase. The switch provides a POWER ON/OFF function at the unit as required by some electrical codes. A replacement junction box cover plate is provided with each switch kit. For additional information, refer to the Power Switch Installation Instructions.

Junction Box Kit Installation and Wiring Procedure

The installation and servicing of this equipment should be performed by qualified, experienced technicians.

Electrical connections at the unit must be made after the unit chassis is installed in the wall sleeve.

The installer must determine and supply the mounting components for attaching the junction box to the wall or floor.



WARNING

To avoid death, personal injury or property damage due to electrical shock, disconnect the electrical power source before installing this kit. The unit OFF switch does not disconnect all electrical power to this unit.



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 should not supersede existing practices but should be considered as supplemental information.

Amana

Fayetteville, TN 37334



WARNING

To avoid death, personal injury or property damage due to electrical shock, this unit must be properly polarized. See the following instructions for correct polarization.



CAUTION

To avoid property damage and equipment overheating due to galvanic corrosion, use copper conductors only.



CAUTION

All wiring must comply with applicable local and national codes. Types and location of disconnect switches must comply with all applicable codes.

1. Remove the cover plate from the junction box.
2. Mount the junction box to the wall or floor within 28 inches of the lower right corner of the wall sleeve.

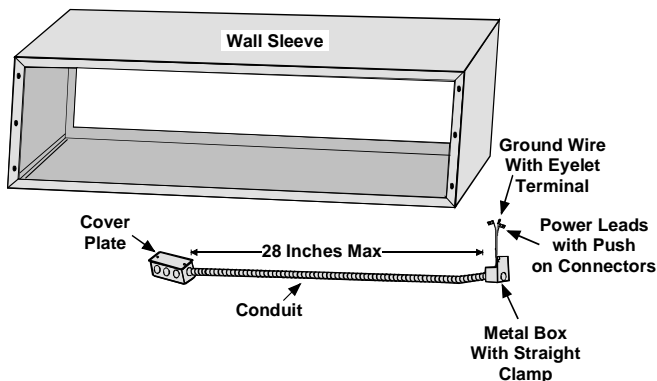


Figure 1

Mounting Hardwire Junction Box Kit

3. If a disconnect switch is to be used, make electrical connections to it and mount the switch in the junction box. Refer to the "Power Switch" Installation Instructions.
4. Remove control panel assembly by removing the two screws holding control panel in place. Rotate panel forward.
5. Disconnect the power cord leads from all electrical connections including the ground wire.
6. Remove the power cord clamp and the power cord from the unit.
7. For 208/230-volt units, remove and discard the white lead from the wire assembly. For 265-volt units, remove and discard the red lead from the wire assembly.

8. Remove the retaining ring from the threaded portion of the straight conduit clamp. Insert the three wires into the metal box through one of the two openings in the box. Replace the hole cover grommet into the unused hole to prevent objects from entering the box.
9. Replace the retaining ring back on the conduit clamp inside the metal box and tighten the ring securely.
10. Insert the three wires extending from the metal box into the incoming power opening on the unit so that approximately 20 inches of the wires protrude through the opening.
11. Attach the metal box to the chassis with the two screws provided. See Figure 2.
12. Insert the wire tie into the 3/16 inch diameter hole located just above the incoming power opening. Tie all wires together securely with the wire tie. See Figure 3.

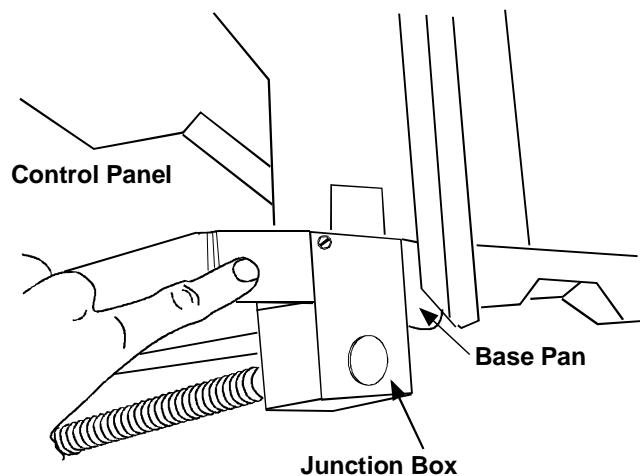


Figure 2

Metal Box Location

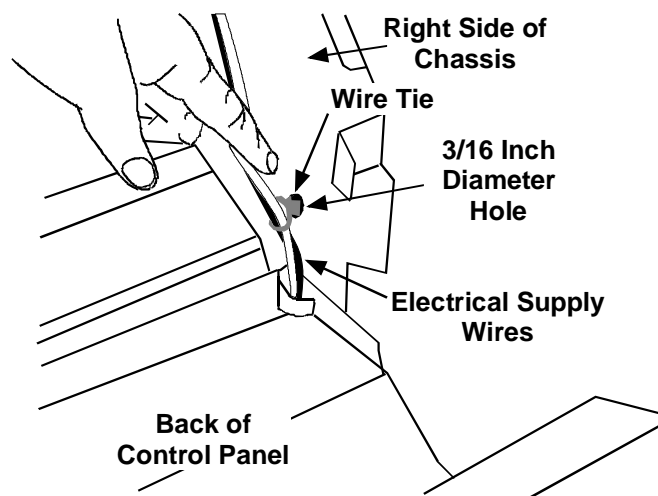


Figure 3

Electrical Wiring Routing

208/230 Volt Units

1. Remove and discard the white lead from the wire assembly.
2. Connect the black lead to the line 2 terminal on the control board.
3. Connect the red lead to the common (C) terminal on the capacitor.
4. Connect the ground wire to the partition panel where the ground wire on the power cord was located. Use the supplied green ground screw.
5. Connect the red lead in the wire assembly at the junction box to the red lead of the field power source.
6. Connect the black lead in the wire assembly at the junction box to the black lead of the field power source.
7. Connect the ground wire of the field power source to the ground wire of the wire assembly at the junction box.
8. Install the junction box cover plate.
9. Reinstall the control panel assembly.

265 Volt Units

1. Remove and discard the red lead from the wire assembly.
2. Connect the black lead to the center terminal of the fuse holder.
3. Connect the white lead to the common (C) terminal on the capacitor.
4. Connect the ground wire to the partition panel where the ground wire on the power cord was located. Use the supplied green ground screw.
5. Connect the white lead of the wire assembly at the junction box to the white lead of the field power source.
6. Connect the black lead of the wire assembly at the junction box to the black lead of the field power source.
7. Connect the ground wire of the field power supply to the ground wire of the wire assembly at the junction box.
8. Install the junction box cover plate.
9. Reinstall the control panel assembly.

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