Installation Instructions

Power Plug Kit — KFAPP0125PLG

NOTE: Read the entire instruction manual before starting the installation.
This symbol → indicates a change since the last issue.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements.

Recognize safety information. This is the safety-alert symbol ⚠ . When you see this symbol on the furnace and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION. The words DANGER, WARNING, and CAUTION are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury, or product and property damage.

⚠ **WARNING: Before installing or servicing fan coil, always turn off all power to unit. There may be more than 1 disconnect switch. Turn off accessory heater power if applicable. Electrical shock can cause personal injury or death.**

→ INTRODUCTION

The power plug provides connections for 230-v power supplied to indoor fan coil for those applications without electric heat.

NOTE: The power plug is required on all fan coil units installed without electric heat. Consult pre-sale literature to identify units not shipped with a power plug.

The power plug is NOT needed for those applications with electric heat.

→ DESCRIPTION AND USAGE

The power plug kit is needed to supply 230-v power to FA, FB, FC, FH, FK, FX, FV, and PF fan coil units installed without electric heat. Those applications which use electric heat packages have 230-v power connections included as part of the electric heat packs.

INSTALLATION

PROCEDURE 1—INSTALL ACCESSORY ASSEMBLY

1. Make sure power to unit is off.
2. Remove front access panel of fan coil unit.
3. Secure accessory strain relief wire tie to left screw hole on heater mounting wall with 1 No. 10 sheet metal screw. (See Fig. 1.) Wire tie may be moved along wire length, if needed.

PROCEDURE 2—ELECTRICAL CONNECTIONS

See Fig. 2.

1. Slide accessory male, plastic plug into matching, factory-supplied, plastic receptacle until plug snaps securely in place (on FK4 units the receptacle is found on the Easy Select Board).
2. Connect 230-v power supply wires to accessory yellow and black wire leads using insulated wire nuts.
3. Secure power supply ground wire to unit's ground lug.

⚠ **CAUTION: Keep high-voltage power connections away from low-voltage leads and circuit board. Shorten power plug leads if necessary.**

Form: AG-FAPP-02 Cancels: AG-FAPP-01 Printed in U.S.A. 9-97 Catalog No. 63FA-PP0

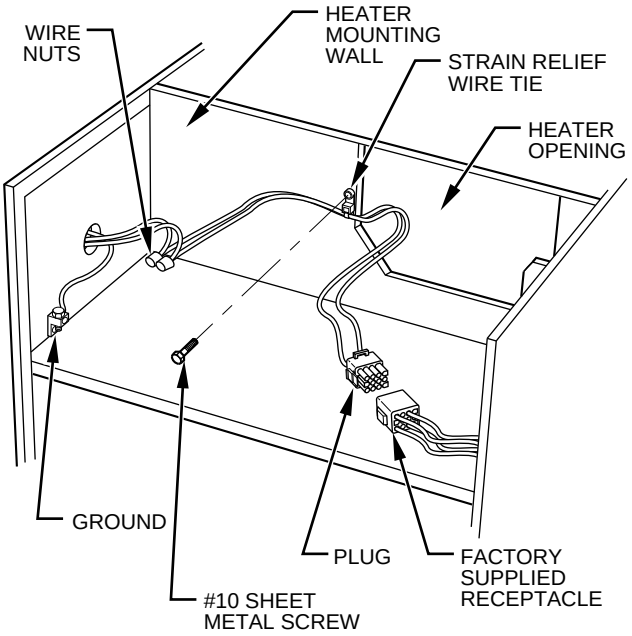

Fig. 1—Typical Power Plug Connections

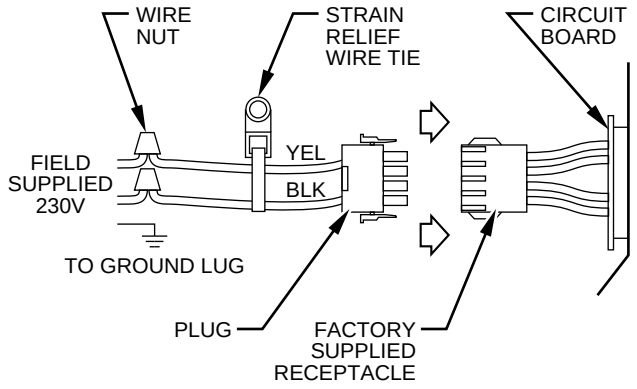

Fig. 2—Wiring Schematic for Power Plug

PROCEDURE 3—INSTALLATION VERIFICATION

1. After completion of accessory installation, check wiring to be sure proper connections and routings have been made.
2. Replace front access panel to fan coil unit before turning power on.

NOTE: It is not necessary to cover the opening for accessory heaters. The unit will perform properly without this opening covered.

SERVICE TRAINING

Packaged Service Training programs are an excellent way to increase your knowledge of the equipment discussed in this manual, including:

- Unit Familiarization
- Maintenance
- Installation Overview
- Operating Sequence

A large selection of product, theory, and skills programs is available, using popular video-based formats and materials. All include video and/or slides, plus companion book.

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