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SINGLE POINT POWER SUPPLY KIT

INSTALLATION INSTRUCTIONS FOR SINGLE POINT POWER SUPPLY KIT (21H39)

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause personal injury, loss of life, or damage to property.

Installation and service must be performed by a licensed professional installer (or equivalent) or a service agency.

⚠ CAUTION

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and use protective clothing.

⚠ WARNING

Electric Shock Hazard. Can cause injury or death. Unit must be grounded in accordance with national and local codes.

Line voltage is present at all components when unit is not in operation on units with single-pole contactors. Disconnect all remote electric power supplies before opening access panel. Unit may have multiple power supplies.

Shipping and Packing List

Package 1 of 1 contains:

1 - Assembled single point power supply junction box
1 - 1-1/2” chase nipple
2 - 1-1/2” conduit nuts

Application

The single point power supply kit provides a single power source junction box. This kit may be used only with supplemental electric heat listed on the air handler nameplate.

Installation

1 - Install single point power supply junction box either on unit or in a convenient remote location. If installing junction box on top of unit, drill a 1-31/32” hole in cabinet cap above circuit breaker before installing electric heat. To install junction box on side of unit, enlarge the unit knockout to 1-31/32”.

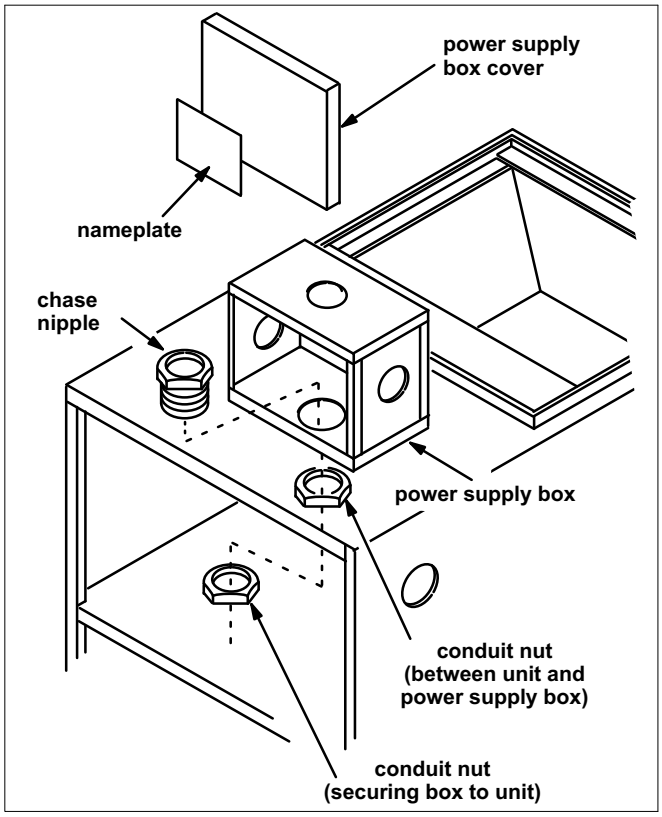

Figure 1. Single Point Power Supply Junction Box Installation

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NOTE - *Do not drill mounting holes through unit control box. Avoid all electrical components.*

2 - Remove 1-31/32" knockout from the provided junction box. Insert nipple from inside the junction box and secure chase nipple using conduit nut on the bottom of the power supply box.

3 - Insert chase nipple through the hole in the unit cabinet and use the second conduit nut to secure the power supply junction box to the unit. See figure 1.

Electrical Wiring

Wiring must conform to the current National Electric Code ANSI/NFPA No. 70 or Canadian Electric Code Part 1, CSA Standard C22.1, and local building codes. Refer to wiring diagram, figure 2. See nameplate on junction box cover for minimum circuit ampacity and maximum over-current protection size.

Select the proper supply circuit conductors in accordance with tables 310-16 and 310-17 in the National Electric Code, ANSI/NFPA No. 70 or tables 1 through 4 in the Canadian Electric Code, Part 1, CSA Standard C22.1.

The junction box provides three knockouts for use with one-inch, trade-sized (1-23/64 inch diameter) conduit. Remove the desired knockout for power entry into the junction box. Enlarge the knockout if using a larger conduit. A field-provided electrical reducer washer is needed if a smaller conduit is being used.

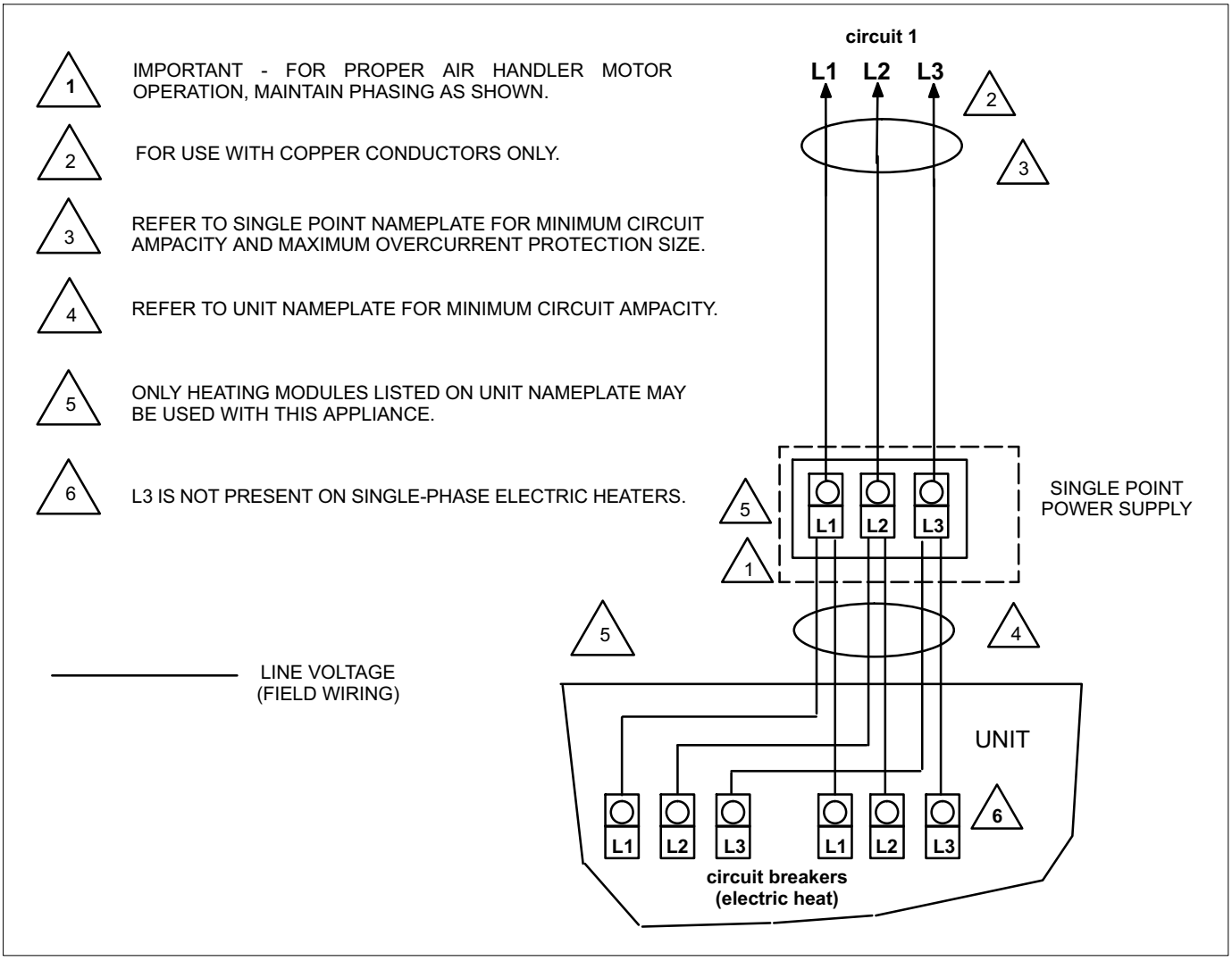

Figure 2. Field Wiring for Single Point Power Supply Kits