

504,896M
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Supersedes 11/2012

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

Physical contact with metal edges and corners while applying excessive force or rapid motion can result in personal injury. Be aware of, and use caution when working near these areas during installation or while servicing this equipment.

⚠ 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
- 1 - Bag assembly containing:
 - 1 - Nameplate
 - 3 - Wiring diagrams

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".

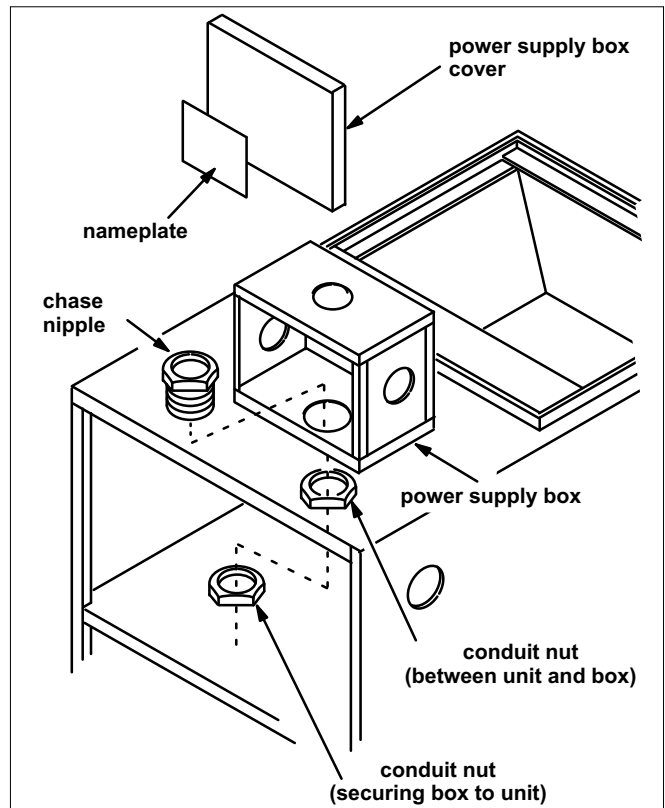


Figure 1. Single Point Power Supply Junction Box Installation



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

- 2 - Remove 1-31/32" knockout from the junction box. Insert nipple from inside the junction box and secure using conduit nut.
- 3 - Insert chase nipple through hole in cabinet and use the second conduit nut to secure it to the unit. See figure 1.
- 4 - **Air Handler single-source applications --** Place provided air handler single-source nameplate over the existing sticker on the box cover. See figure 1.
- 5 - If applicable, affix the appropriate single point power supply wiring diagram to the air handler housing as noted on the air handler wiring diagram.

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 size (1-23/64 inch diameter) conduit. Remove the desired knockout for power entry into junction box. Enlarge knockout if you use a larger conduit. A field-provided electrical reducer washer is needed if a smaller conduit is being used.

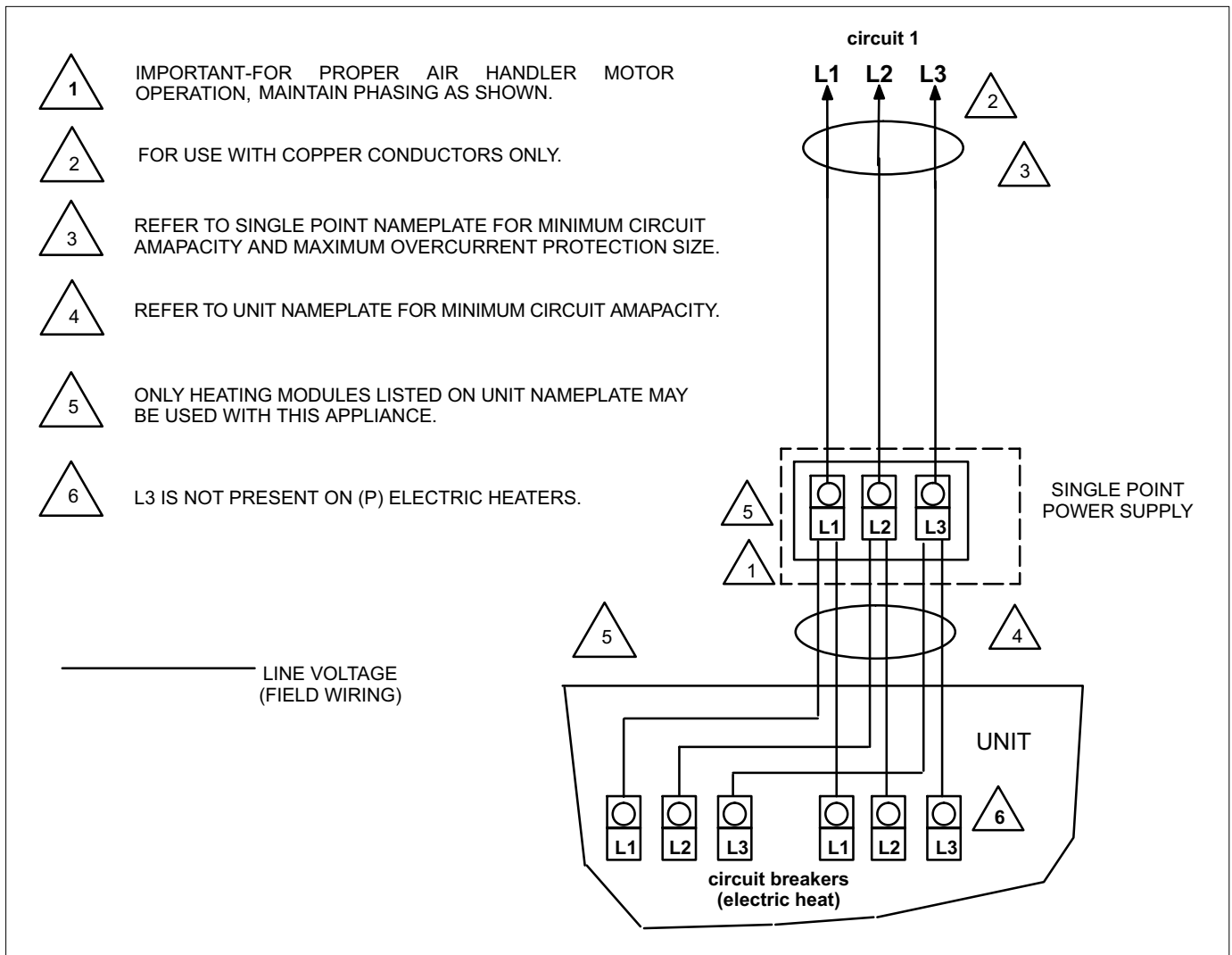


Figure 2. Field Wiring For (LB-62009CA) Single Point Power Supply Kits