

PACKAGED UNITS KITS AND ACCESSORIES

508081-01
5/2022
Supersedes 12/2020

DISCONNECT AND CIRCUIT BREAKER KIT

INSTALLATION INSTRUCTIONS FOR DISCONNECT SWITCH AND CIRCUIT BREAKER KIT USED ON TG/TC/TH/KG/KC/KH/LG/LC/LH/LD 024-150 PACKAGED UNITS

Shipping and Packing List

22A20-25 Package 1 of 1 contains:

- 1- Power entry box assembly

73M87-88 & 73M91-99 & 74M00-05

Package 1 of 1 contains:

- 1- Power entry box assembly
- 1- Power entry cover
- 1- Gasket
- 1- Bag assembly containing:
 - 1-Disconnect switch flip-cover
 - 1-Rain lip
 - 3-Wires
 - 12-#10-32 X 1/2 Screws
 - 4-#6-16 X 1/2 Screws
 - 4-#8-32 X 1/2 Screws

⚠ CAUTION

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

TABLE 1

**TH/KH/LGH/LCH 060, LGM/LGT/LCM/LCT 036-072,
KG/KC 090 & All 072 Units**

Unit (Tall Cabinet)	Disconnect Kit	Hinges	Size (Amps)
TC/TH/KC/KH	LB-111182N 22A20	No	80
TC/TH/KC/KH	LB-111182P 22A21	No	150
TG/KG	LB-111182Q 22A22	No	80
TC/TH/KC/KH/LC/LH	LB-111182R 22A23	Yes	80
TC/TH/KC/KH/LC/LH	LB-111182S 22A24	Yes	150
TG/KG/LG/LD	LB-111182T 22A25	Yes	80

⚠ WARNING

To prevent serious injury or death:

1. Lock-out/tag-out before performing maintenance.
2. If system power is required (e.g., smoke detector maintenance), disable power to blower, remove fan belt where applicable, and ensure all controllers and thermostats are set to the "OFF" position before performing maintenance.
3. Always keep hands, hair, clothing, jewelry, tools, etc., away from moving parts.

TABLE 2

TG/TC/TH 090-150 Units

Disconnect Kit		Size
LB-107879A	73M87	80 Amp
LB-107879B	73M88	150 Amp
Circuit Breaker Kit		Size
LB-107879E	73M91	20 Amp
LB-107879F	73M92	25 Amp
LB-107879G	73M93	30 Amp
LB-107879H	73M94	35 Amp
LB-107879J	73M95	40 Amp
LB-107879K	73M96	45 Amp
LB-107879L	73M97	50 Amp
LB-107879M	73M98	60 Amp
LB-107879N	73M99	70 Amp
LB-107879P	74M00	80 Amp
LB-107879R	74M01	90 Amp
LB-107879S	74M02	100 Amp
LB-107879T	74M03	110 Amp
LB-107879W	74M04	125 Amp
LB-107879X	74M05	150 Amp

Application

The Disconnect and Circuit Breaker Kits are used on TG/TC/TH/KG/KC/KH/LG/LC/LH/LD 024 through 150 units. See table 1, 2, or 3 for usage. Disconnect size depends on unit voltage, blower motor horsepower, and electric heat; refer to product specifications to determine which size disconnect or circuit breaker to use with each unit.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier



TABLE 3
TG/TC/KG/KC 030, 036, 048, 060,
TH/KH 024, 030, 036, 048, 060B, & LGH036-048

Unit (Short Cabinet)	Disconnect Kit	Hinges	Size (Amps)
TC/TH/KC/KH	LB-111182A 20W15	No	80
TC/TH/KC/KH	LB-111182B 20W16	No	150
TG/KG	LB-111182C 20W17	No	80
TC/TH/KC/KH/LCH	LB-111182G 20W21	Yes	80
TC/TH/KC/KH/LCH	LB-111182H 20W22	Yes	150
TG/KG/LGH	LB-111182J 20W23	Yes	80

Installation - 024-072, KG/KC 090 Units

- 1- Disconnect all power to unit. Open compressor access panel.
- 2- Remove the mullion on the left side of the compressor section. Retain the screws. See figure 1.
- 3- On units with hinged panels, remove the door seal from the mullion. Install the door seal in the same location on the disconnect assembly mullion provided in this kit.
- 4- Install the disconnect assembly in place of the removed mullion. Secure with retained screws.

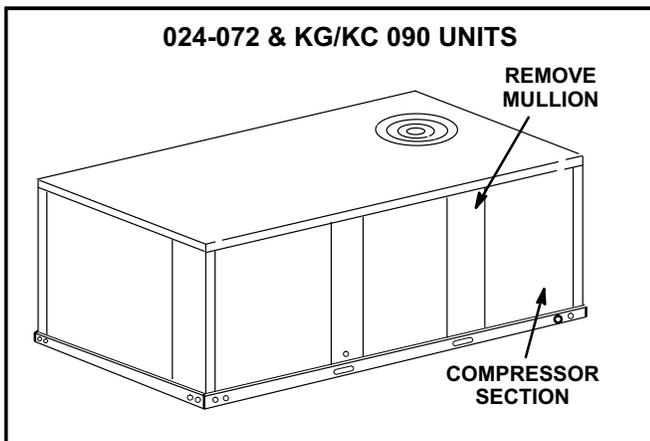


FIGURE 1

Installation - TG/TC/TH 090-150 Units

- 1- Disconnect all power to unit and remove compressor access panels.
- 2- Remove the cover plate on the mullion between the compressor and blower sections.
- 3- Align the power entry box, rain lip, and mullion engaging holes as shown in figure 2 and 3. Place the rain lip flange between the power entry box and the mullion. Secure with screws provided in kit.

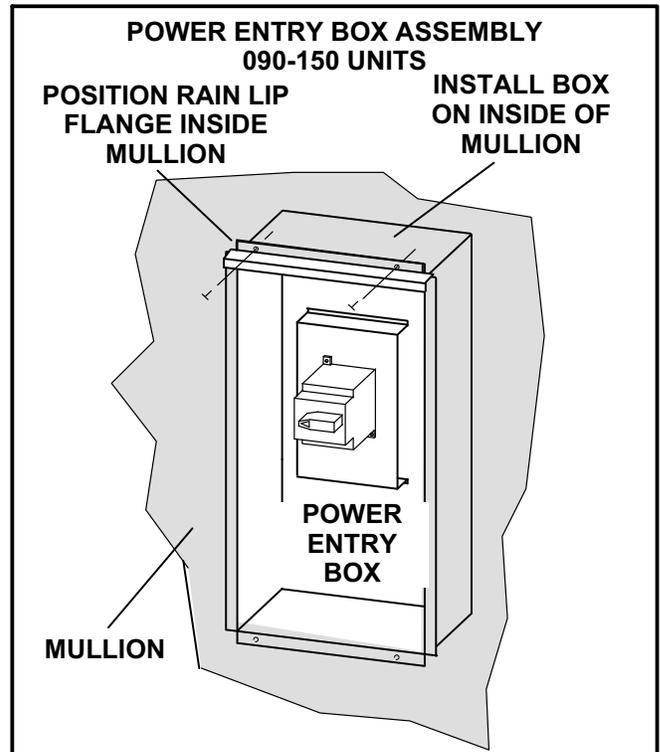


FIGURE 2

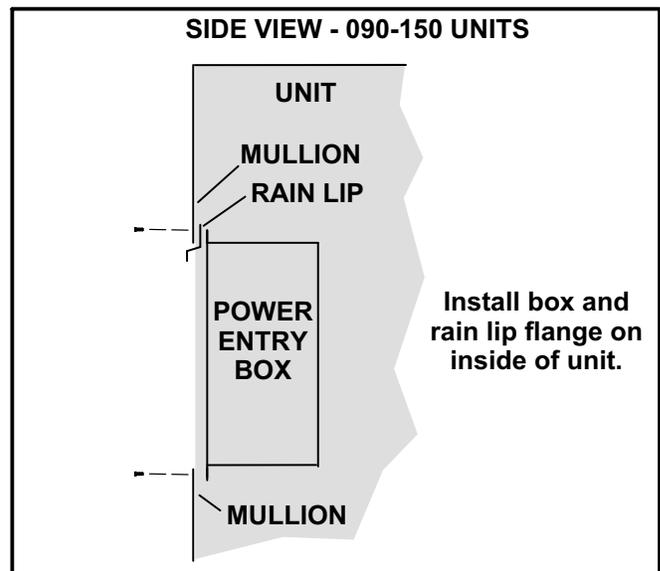


FIGURE 3

Wiring

- 1- Route main power through field-provided conduit to power entry box. See figure 4. Refer to unit dimensions in unit installation instruction for power entry location. Connect power wiring to L1, L2, and L3 on disconnect or circuit breaker.
- 2- Make wire connections as shown in figure 5 when no electric heat is installed. Make wire connections as shown in figure 6 when electric heat is installed with single point power supply. Refer to the component arrangement sticker on the inside of the compressor access panel for the location of K1, K2, and K3.

Disconnect Cover - TG/TC/TH 090-150 Units

- 1- Install flip cover and gasket on painted side of power entry cover as shown in figure 7. Make sure flip cover opens upward.
- 2- Install power entry cover over power make-up box opening. Secure with screws.

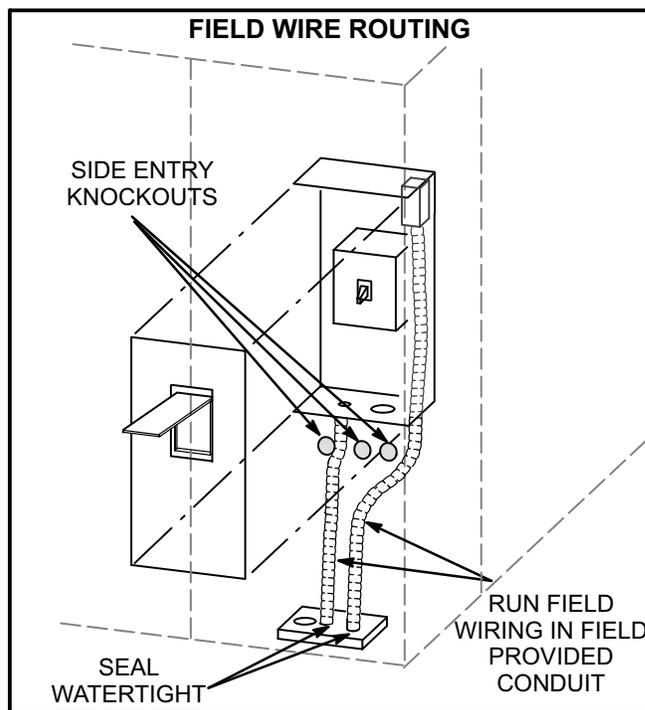


FIGURE 4

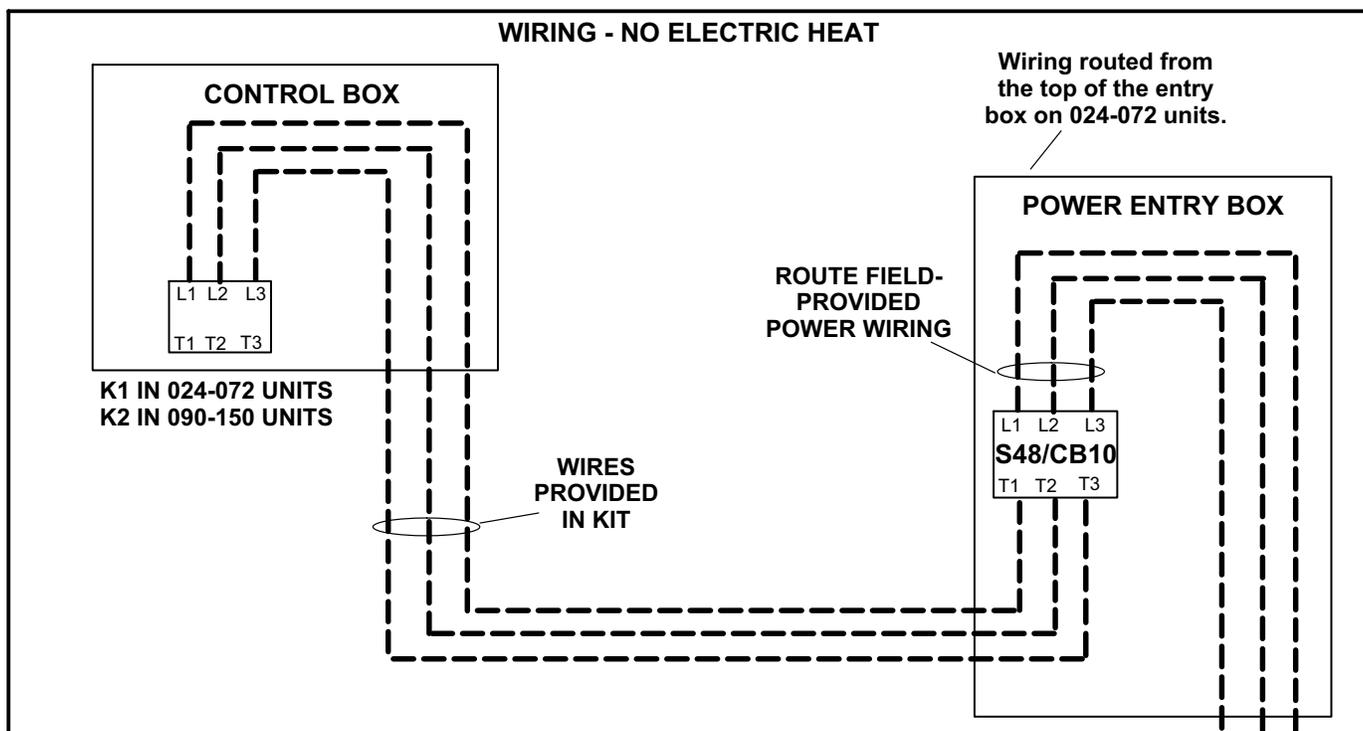


FIGURE 5

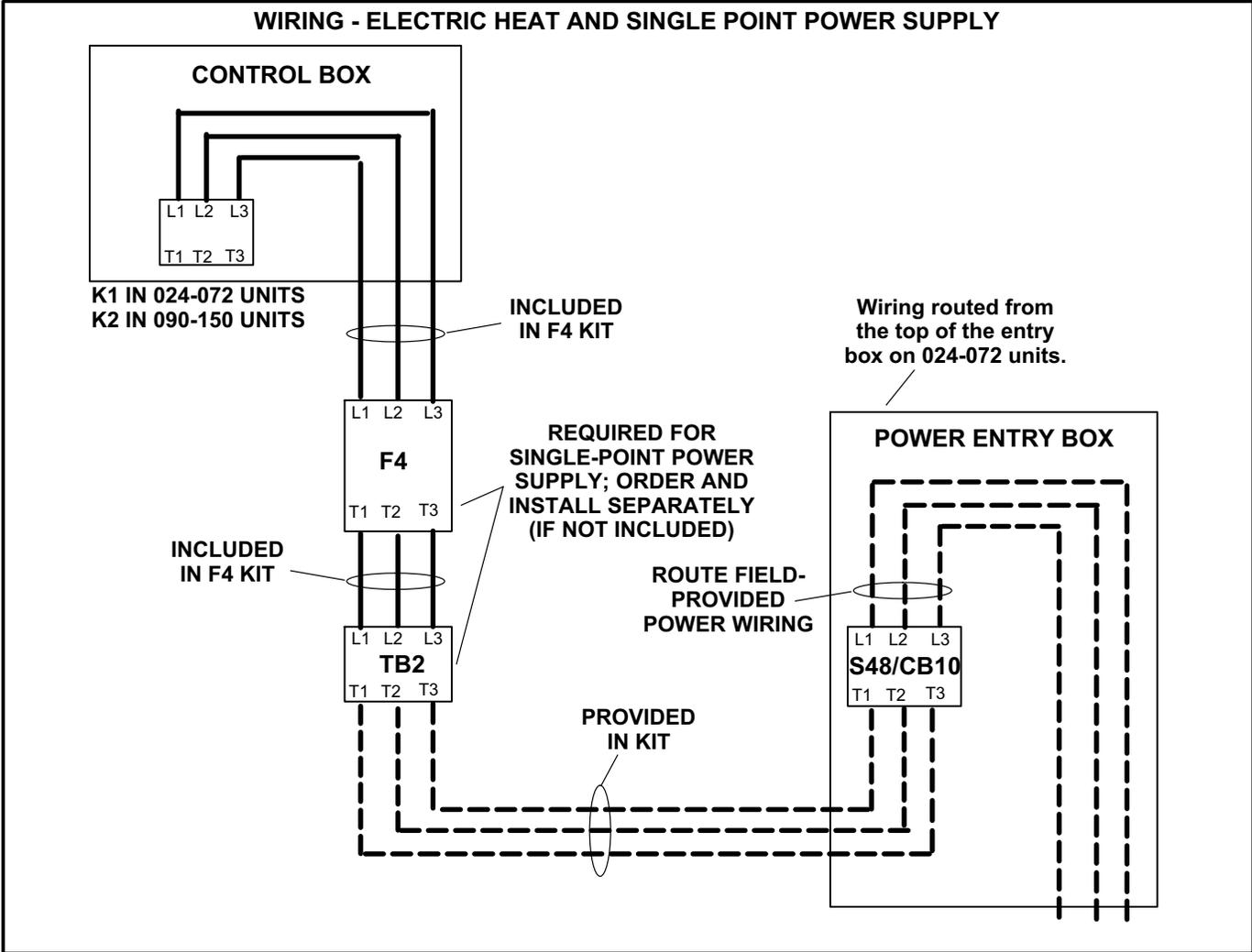


FIGURE 6

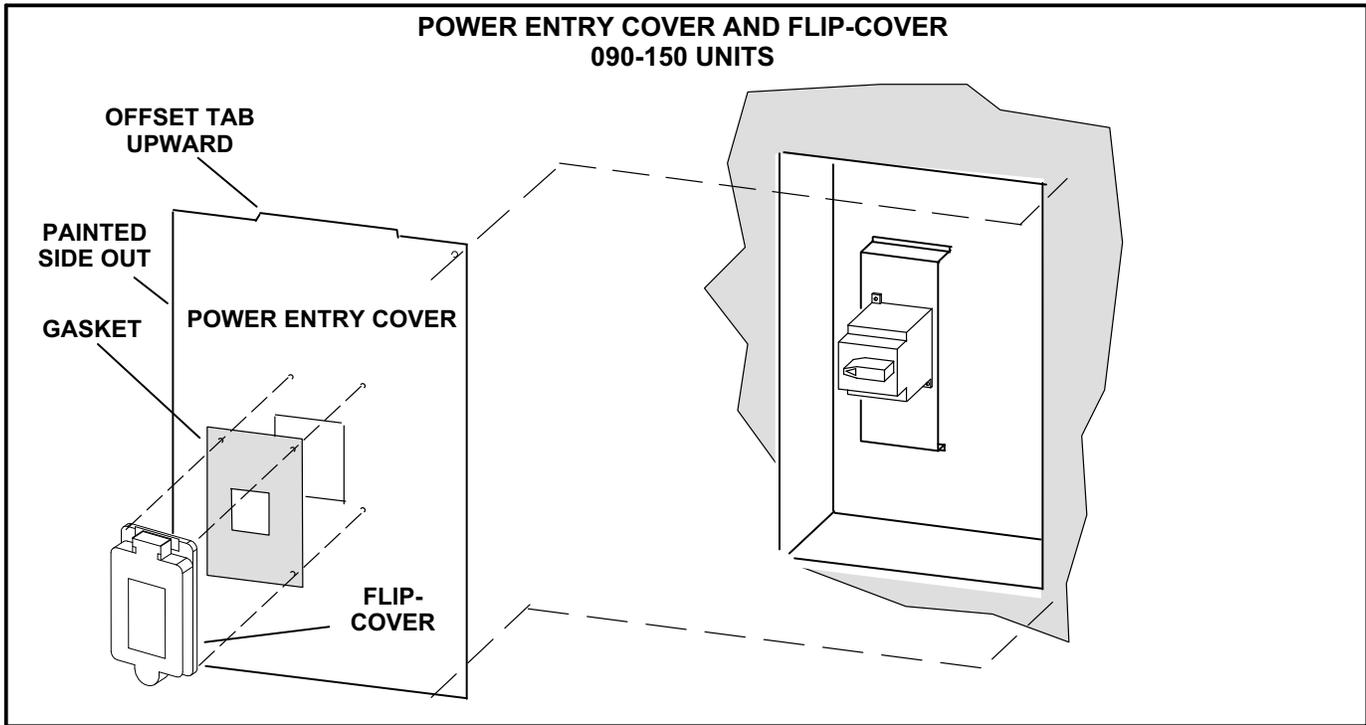


FIGURE 7