

# FIELD KIT INSTALLATION MANUAL

## LINE VOLTAGE TERMINAL BLOCK KIT (S1-32549145000)

### FOR USE WITH MODELS: YHM, CH16, & TH16 HEAT PUMP MODELS w/ FACTORY INSTALLED CIRCUIT BREAKER

#### GENERAL INFORMATION

Only qualified persons shall install this equipment and interpret these instructions.

### IMPORTANT

*These instructions are intended for the use of qualified individuals specially trained and experienced in installation of this type of equipment and related system components. Installation and service personnel are required by some states to be licensed.*

### ⚠ WARNING

*Improper installation may damage equipment, can create a shock hazard, and will void the warranty.*

### NOTICE

*The words "Shall" or "Must" indicate a requirement which is essential to satisfactory and safe product performance. The words "Should" or "May" indicate a recommendation or advice which is not essential and not required but which may be useful or helpful.*

#### Contents of Kit

The Line Voltage Terminal Block Kit consists of a terminal block and a self-tapping screw.

#### APPLICATION

In specific installations the circuit breaker found in the YHM, TH16, & CH16 product may inadvertently trip during periods of high or excessive outdoor ambient temperatures.

The Line Voltage Terminal Block Kit can be used for the models listed in Table 1.

### NOTICE

*The Line Voltage Terminal Block Kit listed in these instructions are for use with outdoor units rated at 208-230V/1PH/60Hz.*

### ⚠ WARNING

#### **SHOCK HAZARD**

*Shut off electrical supply to outdoor unit at main disconnect.*

**TABLE 1:** Line Voltage Terminal Block

Line Voltage Terminal Block Kit #	Outdoor Unit Model Number		
<b>S1-32549145000</b>	YHM24B21S	CH16B2421S	TH16B2421S
	YHM36B21S	CH16B3621S	TH16B3621S
	YHM48B21S	CH16B4821S	TH16B4821S
	YHM60B21S	CH16B6021S	TH16B6021S

1. Remove low voltage power going to outdoor unit by disconnecting indoor equipment power.
2. Remove line voltage power going to outdoor unit.

### ⚠ WARNING

*Before proceeding, all lights must be powered off on the drive to ensure the capacitors are discharged.*

3. Remove line and load wires from outdoor unit internal circuit breaker / service disconnect.
4. Remove internal circuit breaker / service disconnect from outdoor unit. Remove the two 5/16 hex head screws from DIN rail, the circuit breaker was attached to. Refer to Figures 1 & 2.



**FIGURE 1**



**FIGURE 2**

5. From the bottom DIN rail mounting screw hole, measure up toward the top of the unit approximately 9/16" center to center and mark control panel. Drill a 7/32" hole in the unit control panel where marked. Refer to Figures 3 & 4.

## ⚠ CAUTION

Refrigerant circuit piping is located behind the unit control panel.

6. Replace the upper DIN rail screw to seal the existing screw hole.
7. Attach terminal block to unit control panel. The terminal block has an anti-rotation pin on the back side that should be placed into the 7/32" hole. Fasten the terminal block to the control panel using the Phillips head screw provided in this kit. Refer to Figure 5.

## ⚠ CAUTION

Do not over-torque the screw. Damage, to control panel may occur.

8. Connect the unit line voltage wires to the bottom terminal block lugs. Refer to Figure 6.
9. Connect the unit line voltage LOAD wires to the top terminal block lugs. Refer to Figure 7.
10. Place control box cover back in place.
11. Restore outdoor unit line voltage then low voltage power to equipment and test for proper system operation.

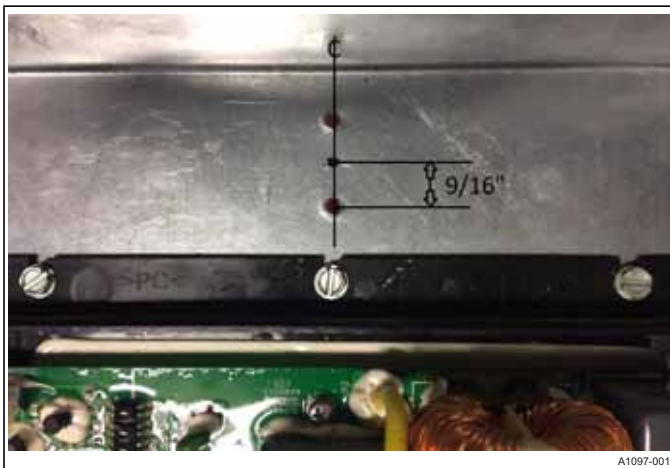


FIGURE 3



FIGURE 4



FIGURE 5

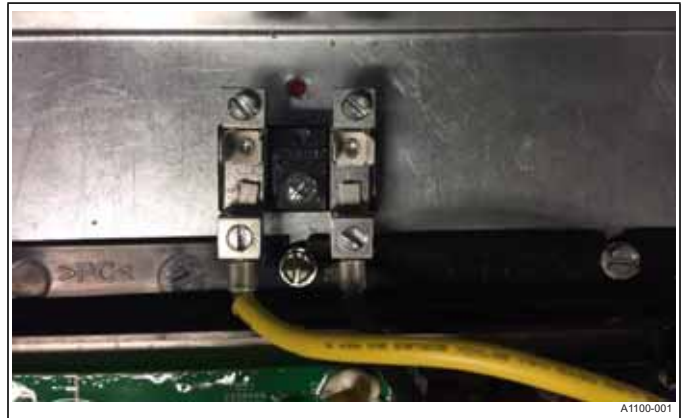


FIGURE 6



FIGURE 7