30RB060-390
Ground-Fault Interrupter
Convenience Outlet Accessory
60 Hz

Installation Instructions

Part Numbers 00EFN900001700A, 00EFN900002100A

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to electrical components and equipment location (such as a roof or elevated structure). Only trained, qualified installers and service technicians should install and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and other safety precautions that apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care when handling and installing this accessory.

⚠ WARNING

To avoid the possibility of electrical shock, open and tag all remote disconnects before installing this equipment. Be aware that there may be more than one disconnect.

INTRODUCTION

The ground-fault interrupter convenience outlet (GFI-CO) accessory provides two auxiliary 115 v, 60 Hz outlets for hand tools, lights, and other devices. The GFI-CO also interrupts power to the outlets in the event of a ground fault, and includes test and reset switches for this feature.

Contents of the accessory package include GFI-CO no. HY01GF001. Size 060-300 units accept one GFI-CO accessory. Size 315-390 modular units accept two GFI-CO accessories, one on each unit module. See Tables 1-3.

Table 1 — Modular Unit Combinations

UNIT SIZE	MODULE A	MODULE B
30RBA315	30RBA160	30RBA160
30RBA330	30RBA170	30RBA160
30RBA345	30RBA170	30RBA170
30RBA360	30RBA190	30RBA170
30RBA390	30RBA190	30RBA190

NOTE: An “A” in the model number indicates the design series.

Table 2 — Accessory Package Usage

30RB UNIT	PACKAGE REQUIRED
060-300 (208/230, 230, 460 V)	00EFN900001700A
060-300 (575 V)	00EFN900002100A

NOTE: 30RB315-390 units need one accessory package for each module.

INSTALLATION

⚠ WARNING

Shut off all power to this equipment prior to installing equipment. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed. Failure to disconnect power from equipment prior to installation could result in serious personal injury or death.

1. Inspect package contents for missing or damaged parts. File a claim with shipping agency if parts are damaged, and notify a local Carrier distributor if any item is missing.
2. Open and tag all electrical disconnects.
3. The transformer is shipped mounted in an enclosure. The 30RB060-120 460,575 v units and the 30RB060, 070 208/230 v units require that the transformer be left in this enclosure and mounted to the chiller rails to the left of the control panel. See Fig. 1.

   For all other units and voltages there is room inside the control cabinet at the end of the chiller for transformer mounting. See Fig. 2. Remove the wiring from the conduit assembly for later use in the control panel.
4. Locate the control box where the Scrolling Marquee is installed. Open the unit control box door. See Fig. 3.
5. Install the GFI-CO in the opening provided using the screws provided.
6. See Fig. 4 for transformer and GFCI (ground fault convenience interrupter) wiring. The wiring connections are already made at the transformer. Connect the black wire from the transformer secondary fuse connection TRAN2-XF to either brass screw on the GFI-CO. Connect the white wire from TRAN2-X3 to either silver screw on the GFI-CO. Connect the green/yellow ground wire from the GFI-CO to the unit ground near the GFI-CO. The 00EFN900001700A kit is factory wired for 460-v applications and the 00EFN900002100A kit is factory wired for 575-v applications. Verify that the correct primary connections are made. See Fig. 4. For applications using the 00EFN900001700A kit at 230 v or 208 v, one transformer primary wiring change is required. For 230-v applications, move the H1 primary wire to H2. For 208-v applications, move the H1 primary wire to H3.
7. Ensure that electrical connections are tight and restore power to the unit.

Table 3 — Accessory Package Contents

ACCESSORY PART NUMBER	DESCRIPTION	QUANTITY
00EFN900001700A	Transformer Enclosure Assembly	1
	Conduit Assembly (attached to enclosure)	1
	Mounting Brackets and Hardware	1 set
	Primary Fuse, ATQR-3.5 (208/230 v use only)	2
	Primary Fuse, ATQR-5 (460 v use only)	2
	Secondary Fuse, FNM-4	1
	GFCI Outlet, HY01GF001	1
00EFN900002100A	Transformer Enclosure Assembly	1
	Conduit Assembly (attached to enclosure)	1
	Mounting Brackets and Hardware	1 set
	Primary Fuse, ATQR-4	2
	Secondary Fuse, FNM-4	1
	GFCI Outlet, HY01GF001	1

LEGEND

GFCI — Ground Fault Convenience Interrupter

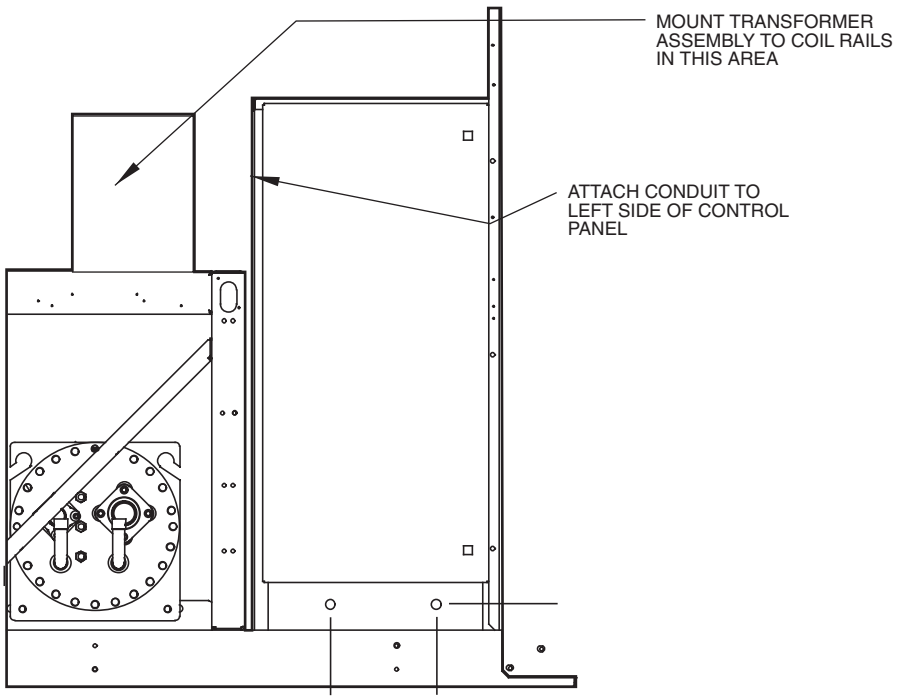
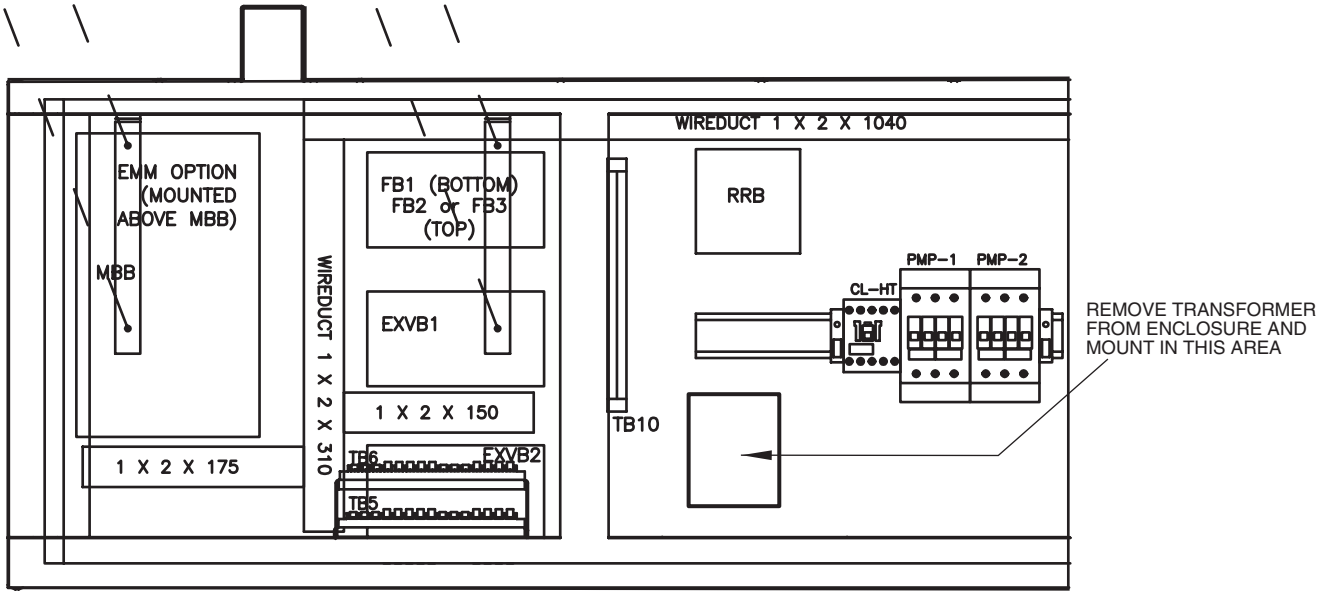


Fig. 1 — Transformer Enclosure Mounting, Sizes 060-120 (460,575 V) and 060,070 (208/230 V)

8. Test the GFI-CO by pressing its "Test" button and checking for power at the outlet. If the accessory is incorrectly wired, the GFI-CO may not trip and power may be present at the outlet. If power is present, disconnect all power to the unit, correct the accessory wiring, reconnect the unit power, and retest the outlet.
9. When the GFI-CO trips and no power is present at the outlet, restore the circuit by pressing the "Reset" button on the GFI-CO.
10. Remove tags from disconnects and close the control box door.

NOTE: After the GFI-CO is installed, periodically test the ground fault feature as described in preceding Steps 8 and 9.



LEGEND

CL-HT	—	Cooler Heater Contactor	**MBB**	—	Main Base Board
EMM	—	Energy Management Module	**PMP**	—	Pump Contactor
EXVB	—	Electronic Expansion Valve	**RRB**	—	Reverse Rotation Board
FB	—	Fan Board	**TB**	—	Terminal Block

Fig. 2 — Transformer Mounting, Sizes 130-390 (460,575 V) and 080-390 (208/230 V)

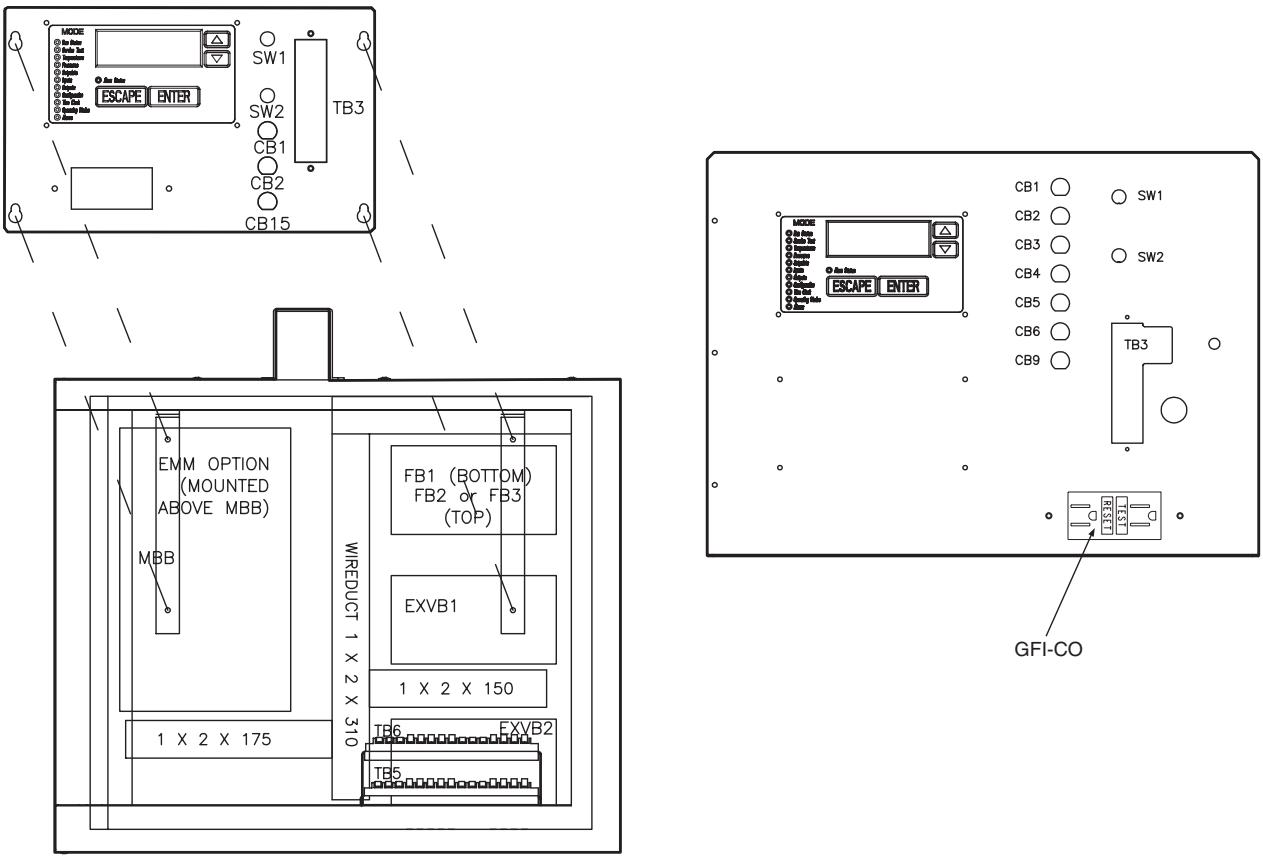
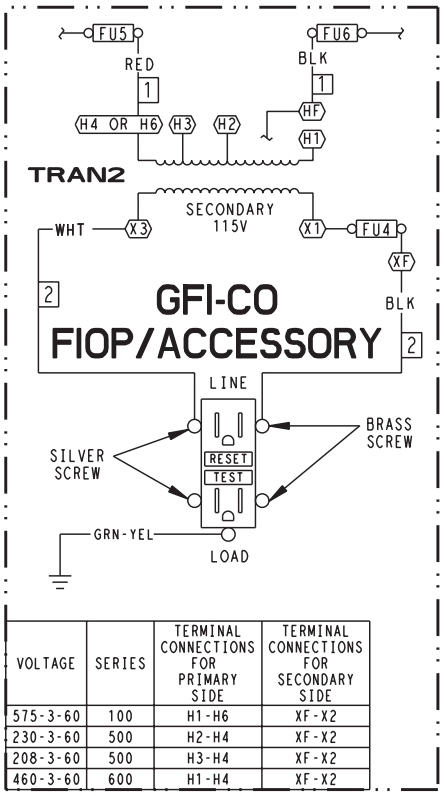


Fig. 3 — Scrolling Marquee Display with Bracket



VOLTAGE	SERIES	TERMINAL CONNECTIONS FOR PRIMARY SIDE	TERMINAL CONNECTIONS FOR SECONDARY SIDE
575-3-60	100	H1-H6	XF-X2
230-3-60	500	H2-H4	XF-X2
208-3-60	500	H3-H4	XF-X2
460-3-60	600	H1-H4	XF-X2

Fig. 4 — Transformer/GFI-CO Wiring