



FW-IOB-D-120/240VAC

Input/Output/Bypass Assembly

Installation Instructions



The OutBack Power Systems FW-IOB-D-120/240VAC allows manual switching between the FX Series Inverter/Charger and a second AC source, facilitating maintenance and power continuity.

About OutBack Power Systems

OutBack Power Systems is a leader in advanced energy conversion technology. Our products include true sine wave inverter/chargers, a maximum power point charge controller, system communication components, as well as breaker panels, breakers, accessories, and assembled systems.

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FW-IOB-D-120/240VAC Installation Instructions
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Date and Revision

November 5, 2008 REV C

Contact Information

OutBack Power Systems
19009 62nd Ave. NE
Arlington, WA 98223
Phone (360) 435-6030 • Fax (360) 435-6019
www.outbackpower.com

Requirements and Warnings

The OutBack FW-IOB-D-120/240VAC is intended as a component for OutBack listed UL508A or UL1741 AC Industrial Control Panels. It is intended for indoor use only.

Grounding Instructions – The frame of this enclosure should be connected to a grounded, permanent wiring system. The AC and DC circuits are not bonded to the FLEXware chassis. System grounding, when required by sections 690.41, 690.42, and 690.43 of the National Electric Code, ANSI/NFPA 70, is the responsibility of the installer. All installations should comply with all national and local codes and ordinances.

The equipment ground is marked with this symbol: 

FW-IOB-D-120/240VAC Parts List

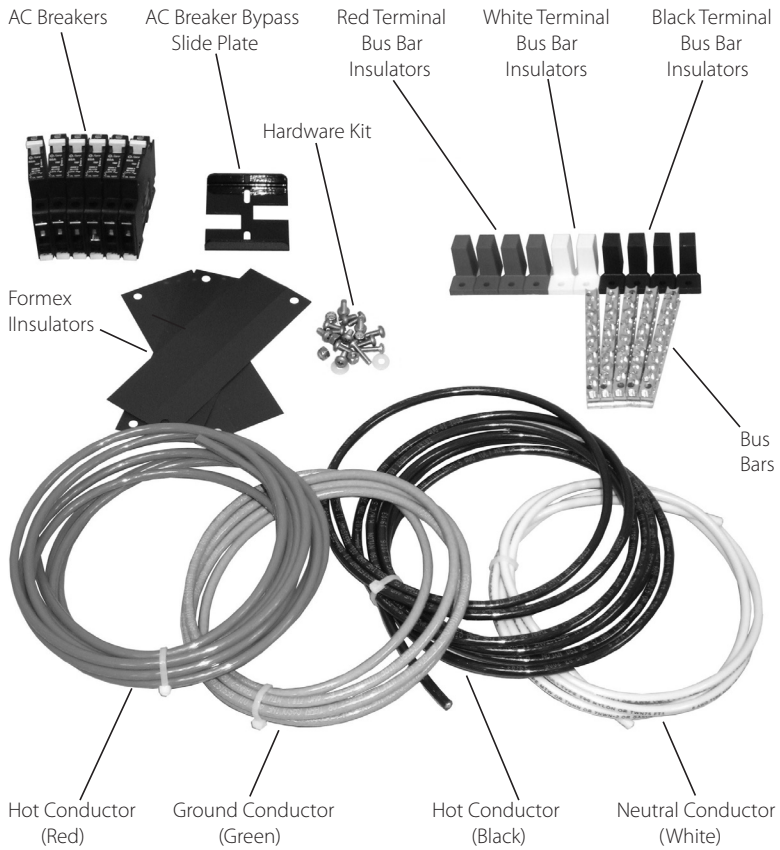


Figure 1: FW-IOB-D-120/240VAC

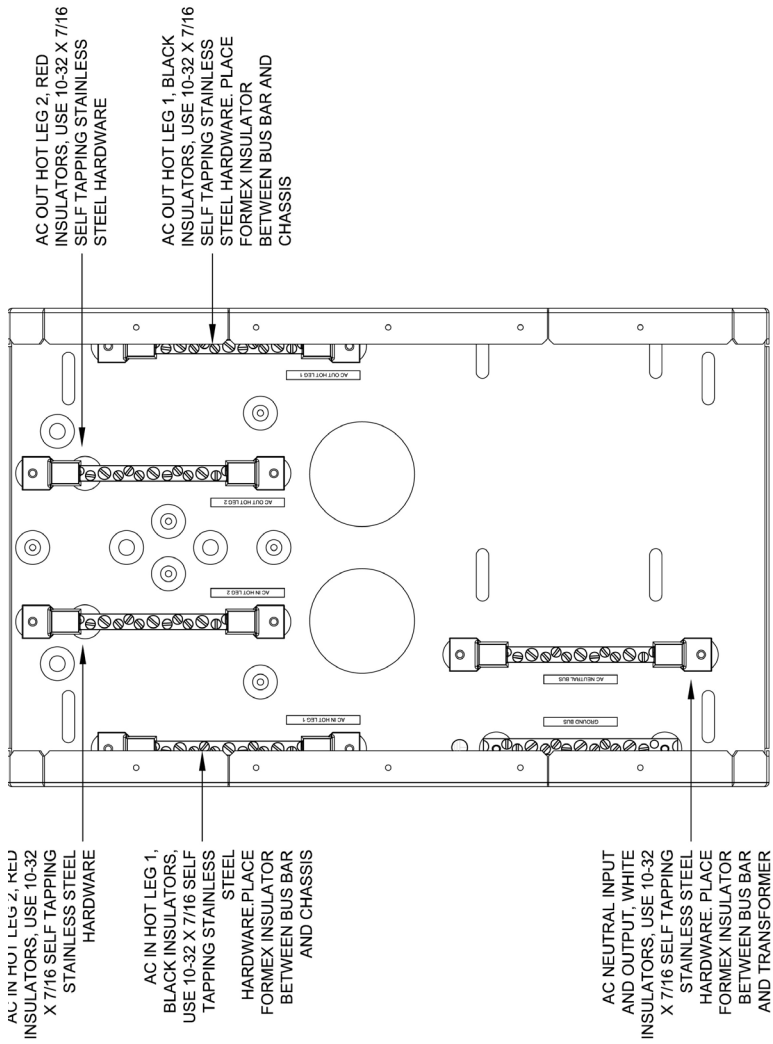


Figure 2: Placement of Bus Bars

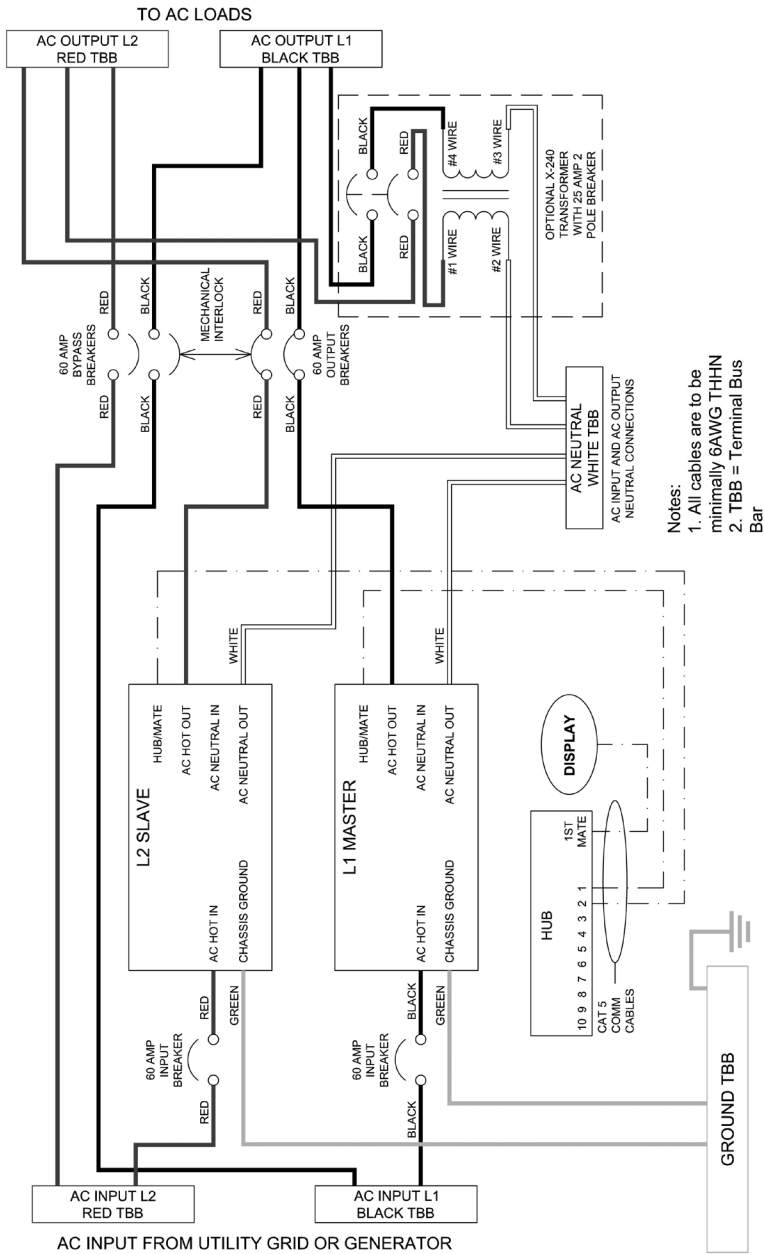


Figure 3: Sample Wiring Diagram

Installing the FW-IOB-D-120/240VAC

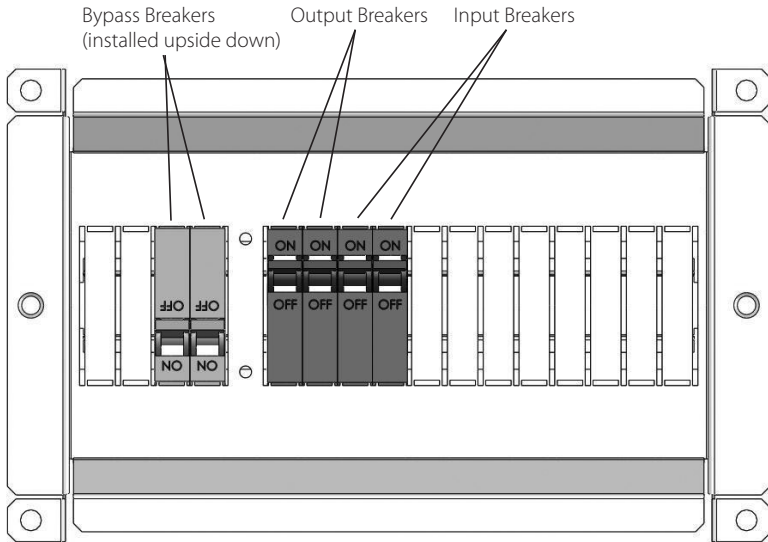


Figure 4: AC Breaker Installation for FW-IOB-D-120/240VAC

To install the FW-IOB-D-120/240VAC:

- Remove the appropriate quantity of breaker knockouts from the breaker bracket.
- Pull the yellow tabs out from each breaker.
- Install the breakers on the DIN rail to approximately match the openings in the breaker bracket.
- Hold the breaker bracket loosely against the breakers on the DIN rail; move the breakers as needed so they line up with the openings in the breaker bracket.
- With the breakers positioned properly, lock the yellow tabs to secure the breakers to the DIN rail.
- Install the AC Breaker Bypass Slide Plate (see Figure 5).

Installing the AC Breaker Bypass Slide Plate

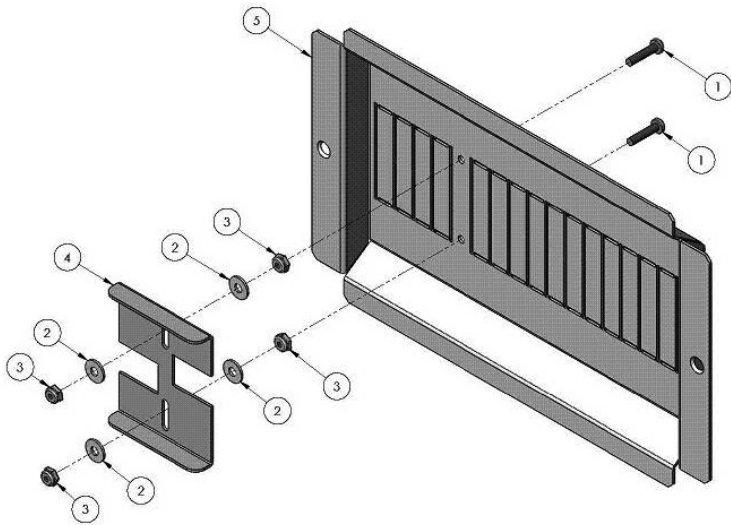


Figure 5: AC Breaker Bypass Slide Plate Installation

Parts:

1. 8-32 X .75 Machine Screw (2)
2. Nylon Washer (4)
3. 8-32 Nylock Nut (4)
4. AC Breaker Bypass Slide Plate (1)
5. FLEXware AC Breaker Bracket (1)

To Assemble:

- Remove necessary circuit breaker knockouts (per IOB kit).
- Install AC Breaker Bypass Slide Plate and fasteners as shown in Figure 5.
- Do not overtighten the Nylock nuts. Overtightening can cause the AC Breaker Bypass Slide Plate to bind.



Corporate Office
19009 62nd Avenue NE
Arlington, WA USA
(+1) 360-435-6030

European Sales Office
C/ Castelló, 17
08830 - Sant Boi de Llobregat
BARCELONA, España
Phone: +34.93.654.9568

www.outbackpower.com

900-0069-01-00 REV C