

GROUND/TERM BAR ASSEMBLY PRODUCT MANUAL FOR 111B-2240

UNIPOWER, LLC 65 Industrial Park Rd Dunlap, TN 37327 Phone: +1-954-346-2442 Toll Free: 1-800-440-3504 Web site – www.unipowerco.com

PM 990-2240-00, Rev. 7

RECEIVING INSTRUCTIONS & GENERAL EQUIPMENT INFORMATION

Please Note: For your protection, the following information and the product manual should be read and thoroughly understood before unpacking, installing, or using the equipment.

UNIPOWER, LLC presents all equipment to the delivering carrier securely packed and in perfect condition. Upon acceptance of the package from us, the delivering carrier assumed responsibility for its safe arrival to you. Once you receive the equipment, it is your responsibility to document any damage the carrier may have inflicted, and to file your claim promptly and accurately.

1. <u>PACKAGE INSPECTION</u>

- **1.1** Examine the shipping crate or carton for any visible damage: punctures, dents, and any other signs of possible internal damage.
- **1.2** Describe any damage or shortage on the receiving documents, and have the carrier sign their full name.
- **1.3** If your receiving freight bill notes that a Tip-N-Tell is attached to your freight, locate it. If the Tip-N-Tell arrow has turned even partially blue, this means the freight has been tipped in transport. Make sure the carrier notes this on your receipt before you sign for the freight.

2. <u>EQUIPMENT INSPECTION</u>

2.1 Within fifteen days, open the crate and inspect the contents for damages. While unpacking, be careful not to discard any equipment, parts, or manuals. If any damage is detected, call the delivering carrier to determine appropriate action. They may require an inspection.

*SAVE ALL SHIPPING MATERIAL FOR THE INSPECTOR TO SEE!

- **2.2** After the inspection has been made, call UNIPOWER. We will determine if the equipment should be returned to our plant for repair, or if some other method would be more expeditious. If it is determined that the equipment should be returned to UNIPOWER, ask the delivering carrier to send the packages back to UNIPOWER at the delivering carrier's expense.
- **2.3** If repair is necessary, we will invoice you for the repair so that you may submit the bill to the delivering carrier with your claim form.
- **2.4** It is your responsibility to file a claim with the delivery carrier. Failure to properly file a claim for shipping damages may void warranty service for any physical damages later reported for repair.

3. <u>HANDLING</u>

Equipment can be universally heavy or top-heavy. Use adequate humanpower or equipment for handling. Until the equipment is securely mounted, be careful to prevent the equipment from being accidentally tipped over.

4. <u>NAMEPLATE</u>

Each piece of UNIPOWER equipment is identified by a part number on the nameplate. Please refer to this number in all correspondence with UNIPOWER.

5. <u>INITIAL SETTINGS</u>

All equipment is shipped from our production area *fully checked and adjusted*. Do not make any adjustments until you have referred to the technical reference or product manual.

6. <u>SPARE PARTS</u>

To minimize downtime during installation or operation, we suggest you purchase spare fuses, circuit boards and other recommended components as listed on the Recommended Spare Parts List in the back of the product manual. If nothing else, we strongly recommend stocking spare fuses for all systems.

PRODUCT SUPPORT

Product support can be obtained using the following addresses and telephone numbers.

Manufacturing facility: UNIPOWER, LLC 65 Industrial Park Rd Dunlap, TN 37327 United States

Phone: +1-954-346-2442 Toll Free: 1-800-440-3504 Web site – www.unipowerco.com

When contacting UNIPOWER, please be prepared to provide:

- 1. The product model number, spec number, S build number, and serial number see the equipment nameplate on the front panel
- 2. Your company's name and address
- 3. Your name and title
- 4. The reason for the contact
- 5. If there is a problem with product operation:
 - Is the problem intermittent or continuous?
 - What revision is the firmware?
 - What actions were being performed prior to the appearance of the problem?
 - What actions have been taken since the problem occurred?

REV	DESCRIPTION	CHECKED/APPROVED BY & DATE
6	See PCO 45403.	CJM / 8-8-19
7	See ECN 46140	JPR / 1-3-24

PROPRIETARY AND CONFIDENTIAL

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Throughout the remainder of this manual, "UNIPOWER" will mean "UNIPOWER, LLC."

PERSONNEL REQUIREMENTS

Installation, setup, operation, and servicing of this equipment should be performed by qualified persons thoroughly familiar with this Product Manual and Applicable Local and National Codes. A copy of this manual is included with the equipment shipment.

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TABLE A, BUS BAR ASSEMBLIES

		6	ROUND BUS I	BARS		
CURRENT RATING	RACK SIZE	DEPTH (X")	TYPE NUMBER	MODEL NUMBER	FIG.	RATING
200 A	19"	5.125"	19PDG200	1118-2240-01	1	
400 A	19"	5.250"	19PDG400	111B-2240-02	2	
400 A	19"	5.250"	19PDG400S	111B-2240-79	4	STD
600 A	19"	5.250"	19PDG600	1118-2240-03	3	
800 A	19"	5.250"	10PDG800	1118-2240-04	3	
200 A	23 "	5.125"	23PDG200	111B-2240-11	5	
400 A	23"	5.250"	23PDG400	111B-2240-12	6	
400 A	23 "	5.250"	23PDG400S	111B-2240-89	8	STD
600 A	23	5.250"	23PDG600	1118-2240-13	7	
800 A	23"	5.250"	23PDG800	1118-2240-14	7	

TERMINATION BUS BARS

	1	1118-2240-21	19PDT200	7.125"	19"	200 A
	2	1118-2240-22	19PDT400	7.250"	19"	400 A
STD	4	1118-2240-80	10PDT400S	7.250"	19"	400 A
	3	1118-2240-23	19PDT600	7.250"	19"	600 A
	3	1118-2240-24	19PDT800	7.250"	19"	800 A
	5	1118-2240-31	23PDT200	7.125"	23*	200 A
	6	1118-2240-32	23PDT400	7.250"	23"	400 A
STD	8	1118-2240-90	23PDT400S	7.250"	23"	400 A
	7	1118-2240-33	23PDT600	7.250"	23"	600 A
	9	1118-2240-35	23PDT800	7.250"	23"	600 A
	7	111B-2240-34	23PDT800	7.250"	23"	800 A

COMBINATION GROUND & TERMINATION BUS BARS

200 A	19"	5.125"	19PDG200S	111B-2240-500	10	STD
200 A	23"	5.125"	23PDG200S	111B-2240-510	11	310

TABLE B

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TABLE C

HOLE SIZE	SINGLE HO	KIT	
0.281" DIA. 0.375" DIA.	WIRE RANGE GA	AMP RATING	RATELCO PART NUMBER
0.406" DIA.	14 TO 6	35	253-2010-00
0.406" x 0.781" OBR.	14 TO 2	90	253-2020-00
0.531" x 0.875" OBR.	8 TO 1/0	125	253-2030-00
	6 TO 250MCM	225	253-2040-00
	1/0 TO 350MCM	300	253-2045-00
	1/0 TO 500MCM	400	253-2050-00
	4/0 TO 1000MCM	650	253-2060-00
	TWO HOLE	E LUG K	IT
	14 TO 6	35	253-0035-00
	8 TO 2	70	253-0036-00
	2 TO 1/0	125	253-0037-00
	2 TO 4/0	225	253-0038-00
	1/0 TO 350MCM	300	253-0039-00
	1/0 TO 500MCM	400	253-0041-00
	600 TO 1000MCM	650	253-0041-00

NOTES:

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- 1) A MINIMUM OF ONE RACK SPACE (1.750") MUST BE PROVIDED BETWEEN EACH BUS BAR AND AN ADJOINING PIECE OF EQUIPMENT.
- 2) 200 AMP AND 400 AMP BUS BARS REQUIRE ONE RACK SPACE (1.750"). 600 AMP AND 800 AMP BUS BARS REQUIRE TWO RACK SPACES (3.500").
- 3) ALL BUS BARS ARE DESIGNED FOR SINGLE OR DOUBLE HOLE MOUNTING LUGS. ORDER LUG KITS FROM TABLE C.
- 4) ALL GROUND AND TERMINATION BUS BARS ARE COPPER AND ARE INSULATED BY ONE INCH FIBERGLASS SPACERS.

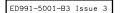
SHEET INDEX

SH NO	1	2	3
ISSUE	6	5	4

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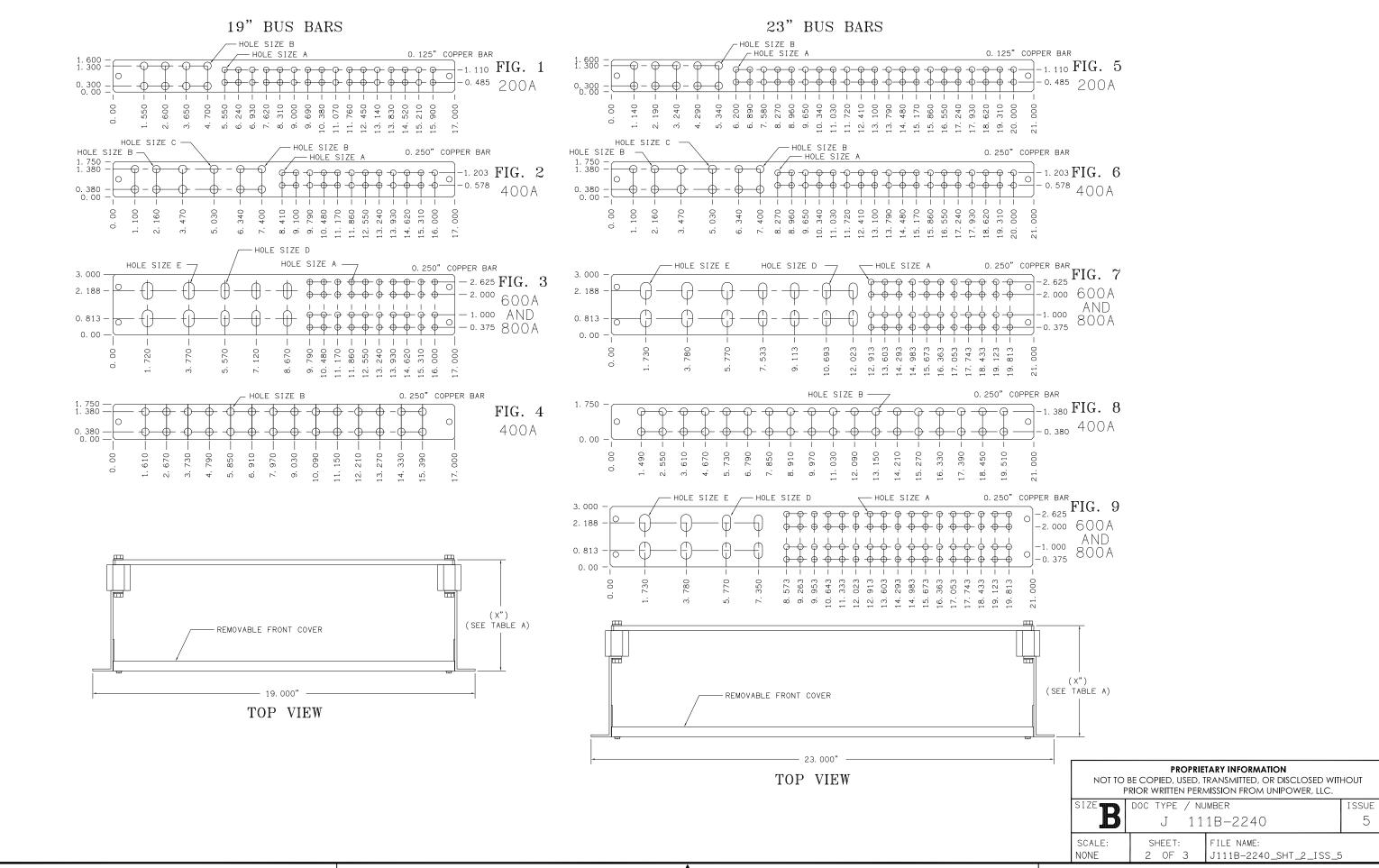
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			ISSUES		1		
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					в		
ſ		UNLESS OTHERWISE ECIFIED DIMENSIONS ARE IN INCHES	APPROVALS	DATE			
ŀ	±	TOLERANCES ON:	DRAWN IY	1/11/99			
1	HOLES	+0.004 -0.002	CHECKED		1		
F	FRACTION	s ±1/32	APPROVED		1		
F	DECIMALS						
÷	NGLES	±1/2°	APPROVED ES	1/11/99	L		
-	SQUARE C	ORNERS AND ANGLES ARE 90°	UNLESS OTHERWISE SPECIFIED.		1		
	WORKMA PER SP	NSHIP: EC ENG032			c		
	MATERIAL: FINISH: PROPRIETARY INFORMATION NOT TO BE COPIED, USED, TRANSMITTED, OR DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION FROM UNIPOWER, LLC.						
	UNIPOWERING TECHNOLOGY						
	BUS BARS						
	BUS BARS 200AMP - 800 AMP						
10	SIZE DOC TYPE / NUMBER ISSUE J 111B-2240 6						
	SCALE: V/A	SHEET: 1 OF 3	FILE NAME: J111B-2240_SHT_1_ISS_0	6			
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