

FUSE PANEL

PRODUCT MANUAL FOR

P/N 111-2750 P/N 111-2998 P/N 111-3012
P/N 111-3017 P/N 111-3051 P/N 111-3063
P/N 111-3072 P/N 111-3080 P/N 111B-2750
P/N 111B-2751 P/N 111B-2753 P/N 111B-3000
P/N 111B-3001 P/N 111B-3005 P/N 111B-3006
P/N 111B-3007 P/N 111B-3010 P/N 111B-3012
P/N 111B-3014 P/N 111B-3016 P/N 111B-3019
P/N 111B-3021 P/N 111B-3023 P/N 111B-3025
P/N 111B-3035 P/N 111B-3042 P/N 111B-3046
P/N 111B-3049 P/N 111B-3051 P/N 111B-3053
P/N 111B-3056 P/N 111B-3068 P/N 111B-3072
P/N 111B-3074

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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.

C & D Technologies 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. PACKAGE INSPECTION

- 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. EQUIPMENT INSPECTION

- 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 C & D Technologies. 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 C & D Technologies, ask the delivering carrier to send the packages back to C & D Technologies 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 delivering carrier. Failure to properly file a claim for shipping damages may void warranty service for any physical damages later reported for repair.

3. **HANDLING**

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

4. **NAMEPLATE**

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

5. **INITIAL SETTINGS**

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. **SPARE PARTS**

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.

ISSUE HISTORY

ISSUE	PAGE(S)	DESCRIPTION	DATE
1		Original Issue	Oct. 1995
2	ALL	Changed through out manual & cover to read C & D Technologies, Inc, Power Solutions and/or C & D Technologies, Inc. Changed cover to include Dunlap Plant address, phone #'s, fax #'s, web-site address, etc. Added updated Receiving Instructions & General Equipment Information sheet =issue 7 Added updated drawings & Added Issue History sheet See ECN 12266	MM 3/30/99
3	ALL	Incorporated new web-site address to cover. Changed manual file name format to updated long version. Replaced 8 ½ x 11 drawings with 11 x 17. See ECN 12932	MCM 05/15/00
4	ALL	SEE ECN 14686	MCM 4/30/04
5	ALL	SEE ECN 15561	MCM 5/30/06

DOCUMENT SUMMARY

This document provides installation and operation methods for the C & D Technologies, Inc. Fuse Panel.

LEGAL DISCLAIMERS

All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of the product are made without representation or warranty any such use if free of patent infringement and are not recommendations to infringe any patent. The user should not assume all safety measures are indicated or other measures may not be required.

INSTALLATION AND OPERATION FOR FUSE PANELS

1. Install the Fuse Panel in a relay rack, or enclosed box assembly using 12 – 24 hardware.
2. If supplied, remove the fuses from panel by pulling fuse block, and/or removing individual fuses.
3. Route and connect the “HOT” load lead to the desired fuse circuit. See the fuse panel Drawing for the location of fuse output connection.
4. For systems with a vertical branch-feed bus, bolt the fuse panel input bus to the vertical bus. For other systems, connect wire of appropriate size to the input bus on the fuse panel.
5. If the fuse panel is equipped with a fuse alarm lamp and/or relay, connect a lead from the Ground bar to the GND terminal on the terminal block.
6. For fuse panels not equipped with a local alarm circuit, the fuse alarm signal can be extended to a separate alarm system by wire-wrapping or soldering an alarm wire to the fuse alarm post.
7. For fuse panels equipped with a local alarm lamp or lamp and relay circuit, the fuse alarm signal can be extended to a separate alarm system by connecting an alarm wire to the FA terminal.
8. If the fuse panel is equipped with current shunts, connect the shunt(s) to the current sensing panel using AWG 14 minimum wire.
9. Place properly sized fuses in the appropriate fuse holders. See the fuse panel drawing notes for the recommended alarm fuse ratings.
10. When contacting the factory for information or service, please include the model number with a complete description of the difficulty or questions involved.