

# C&D TECHNOLOGIES

Power Solutions

## LOW DC VOLTAGE DISCONNECT PANELS DC POWER BOARD PANELS

**LOW VOLTAGE DISCONNECT PANELS** are designed to automatically disconnect the load from the battery when the battery voltage drops below a preset level. Reconnection of the load can be either automatic or manual. The automatic reconnection feature will initiate load reconnect when the voltage rises above a preset threshold. Additional control panel features include manual disconnect capability, adjustable time delay for disconnect and provisions for remote disconnection. The panel can be field modified for positive or negative ground, and can be equipped with optional form "C" disconnect alarm contacts.

In order to prevent permanent damage to the battery, the Low Voltage Disconnect Panel should be adjusted to disconnect the load when battery voltage drops to less than 1.75 volts per cell. In some cases, this voltage must be increased to protect attached equipment loads against under-voltage operation.

The Low Voltage Disconnect Panel is equipped with test and calibration circuits which provide full confidence in operation and set points without disturbing system voltages or load operation. The Low Voltage Disconnect Panel is also available in full redundant configuration for those systems with loads that cannot tolerate disconnect due to equipment failure.

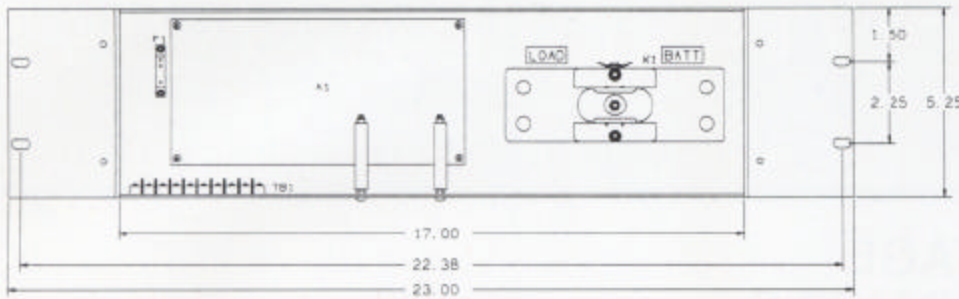
Finished in beige enamel, the Disconnect Panels are available for 12 V, 24 V and 48 V, and for currents of 50 to 800 A. The Panels are 5¼" high and designed for mounting in 19" or 23" wide relay racks.



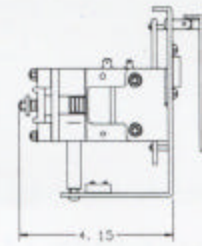
STANDARD DESIGN FEATURES:

\*800 Amp panel is 23" mounting only.

REAR VIEW



SIDE VIEW



**LOW VOLTAGE DISCONNECT PANELS**

Maximum Current	DC Voltage	Optional Alarm	Model Number
50 A	12	No	111B-3290-00
100 A	12	No	111B-3290-01
200 A	12	No	111B-3290-02
50 A	12	Yes	111B-3290-10
100 A	12	Yes	111B-3290-11
200 A	12	Yes	111B-3290-12
50 A	24	No	111B-3291-00
100 A	24	No	111B-3291-01
200 A	24	No	111B-3291-02
400 A	24	No	111B-3291-03
800 A	24	No	111B-3291-04
1200 A	24	No	111B-3291-06
50 A	24	Yes	111B-3291-10
100 A	24	Yes	111B-3291-11
200 A	24	Yes	111B-3291-12
400 A	24	Yes	111B-3291-13
800 A	24	Yes	111B-3291-14
1200 A	24	Yes	111B-3291-16
50 A	48	No	111B-3294-00
100 A	48	No	111B-3294-01
200 A	48	No	111B-3294-02
400 A	48	No	111B-3294-03
800 A	48	No	111B-3294-04
1200 A	48	No	111B-3294-06
50 A	48	Yes	111B-3294-10
100 A	48	Yes	111B-3294-11
200 A	48	Yes	111B-3294-12
400 A	48	Yes	111B-3294-13
800 A	48	Yes	111B-3294-14
1200 A	48	Yes	111B-3294-16

**LOW VOLTAGE DISCONNECT CONTROLLERS AND CONTACTOR PANELS**

Volts	Amps	Dimensions			Rack Spaces	Weight lbs (kgs)	Part Number
		Wide	High	Deep			
<b>±24 V LVD Contactor Panels and Redundant Control</b>							
±24	Controller	19/23"	5.25"	3"	3	3 (1.4)	111B-3118-02
	200			7"		8 (3.6)	111B-3274-00
	400	23"	7"	4	10 (4.5)	111B-3274-01	
	600				9"	42 (18.9)	111B-3274-02
	3600				9"	42 (18.9)	111B-3274-07
<b>±48 V LVD Contactor Panels and Redundant Control</b>							
-48	Controller	19/23"	5.25"	3"	3	3 (1.4)	111B-3118-02
	200			7"		8 (3.6)	111B-3275-00
	400	23"	7"	4	10 (4.5)	111B-3275-01	
	600				9"	42 (18.9)	111B-3275-02
	3600				9"	42 (18.9)	111B-3275-07



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