

LVD200 SERIES
LOW VOLTAGE DISCONNECT PANELS
200A @ 12V, 24V & 48V

DESCRIPTION

UNIPOWER's LVD1U200 Series of low-voltage disconnect panels are designed for maximum flexibility. They can be connected for either load or battery disconnect and are configured for a single LVD operation using the B section of the multi-purpose chassis. The disconnect contactor is rated at 200 amperes.

An LVD alarm is indicated by a red LED. Form C relay contacts also indicate an LVD alarm.

The unit can be configured for 12, 24 or 48 volts operation, positive or negative ground.

LVD1U200 panels come with brackets that permit mounting in either a 19- or 23-inch relay rack. They can be mounted from the front of the rack with offsets every quarter-inch from front to back to align with existing rack-mounted equipment.

FEATURES

- ◆ 1U- High: 1.75"
- ◆ 19- or 23-Inch Rack Mounting
- ◆ 200A Current Capacity
- ◆ Operation at 12V, 24V or 48V
- ◆ Positive or Negative Ground
- ◆ LED Alarm Indicator
- ◆ Form C Alarm Relay
- ◆ Connection in Series with Battery or Load
- ◆ Rack Offset Every 1/4" Front to Back

TWO YEAR WARRANTY

SAFETY STANDARDS

UL60950-1 2nd Edition
CSA22.2, No. 60950-1 2nd Edition
EN60950-1 2nd Edition

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L V DISCONNECT PANELS

MODEL	CONFIGURATION
LVD1U200-B1	+/-48V, 200A
LVD1U200-B2	+/-24V, 200A
LVD1U200-B3	+/-12V, 200A

SPECIFICATIONS

INPUT/OUTPUT

LVD Capacity ¹	200A
Configuration	Single (using B side of chassis)
Operating Voltage	
48V	42-59VDC
24V	22-29VDC
12V	10.5-14.5VDC
Polarity	
Positive or Negative Ground	
Connection	
In Series with Battery or Load	
Disconnect Voltage²	
48V	42.5VDC
24V	21.25VDC
12V	10.6VDC
Connect Voltage²	
48V	49.0VDC
24V	24.5VDC
12V	12.25VDC

ALARMS

Alarm Indicator	Green/Red LED
Green status	Contact Closed
Red status	Contact Open

SAFETY STANDARDSUL60950-1 2nd Ed., CSA22.2 No. 60950-1 2nd Ed.,
EN60950-1 2nd Ed.

ENVIRONMENTAL

Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to + 85°C
Environment	Pollution Degree 2
Humidity	0% to 95%, Non-Condensing
ESD	Bellcore GR-1089-Core and EN61000-4-2
MTBF, 35°C (Bellcore)	200,000 Hours
Cooling	Natural Convection
Acoustic Noise	None

PHYSICAL SPECIFICATIONS

Case Material, Finish	Steel, Powder Coat Gray
Case Dimensions, Inches (mm)	1.73h x 17.12w x 8.94d (43.9 x 434.9 x 227.1)
Mounting	19" or 23" (using supplied mounting hardware)
Weight	9.5 lbs. (4.16 kg.)

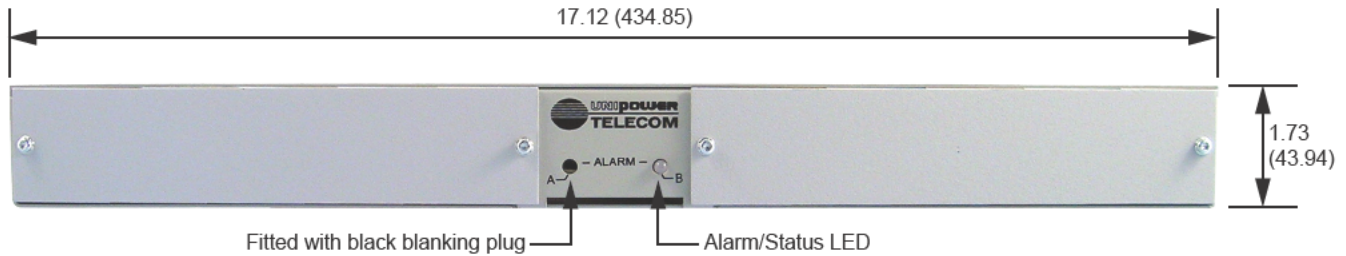
CONNECTIONS

Input, Output, Battery	¼ - 20 Studs
Chassis Ground Connection	No. 8-32 Stud
Alarm Connections045" sq. Wirewrap Pins

Notes:

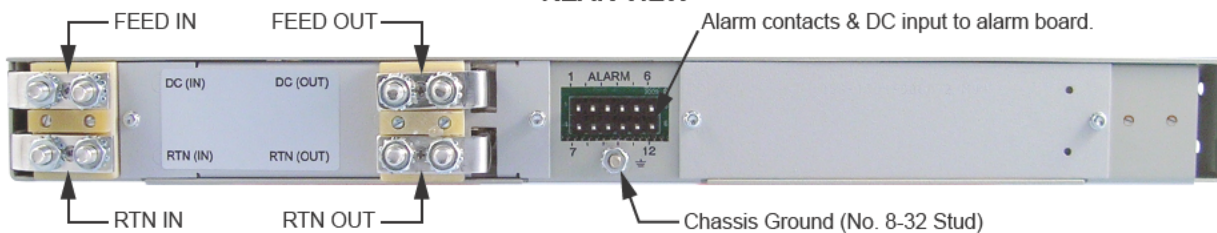
1. With minimum 1" (25.4mm) air space above and below unit.
 Reduced to 150A when ventilation openings are blocked.
2. Factory pre-set. For alternative settings consult sales.

FRONT VIEW



DIMENSIONS IN INCHES (mm).

REAR VIEW



Note:

Crimp type lugs, two-hole for 6AWG cable, are recommended for the bus bar connections.
 For a kit of 4 lugs order pt. no. 775-1434-0000.

ALARM PIN CONNECTIONS			
PIN	FUNCTION	PIN	FUNCTION
1	No Connection	7	Relay Contact - NO
2	No Connection	8	Relay Contact - Common
3	No Connection	9	Relay Contact - NC
4	No Connection	10	Alarm Board Power In -Ve
5	No Connection	11	Alarm Board Power In -Ve
6	No Connection	12	Alarm Board Power In +Ve