

# LVD1U200 SERIES

## LOW VOLTAGE DISCONNECT PANELS

### 200A@12V/24V/48V

### DESCRIPTION

The UNIPOWER Telecom LVD1U200 Series are 200A rated Low Voltage Disconnect panels designed for maximum flexibility. They can be connected for either load or battery disconnect and configured and can be used for load shedding applications where non critical loads are switched off at an earlier point in the battery discharge cycle to conserve power to critical loads.

These 1RU high panels can be configured for 12, 24 or 48 volts operation with either positive or negative ground and are supplied complete with brackets that permit mounting in both 19-inch and 23-inch relay racks or cabinets. Multiple fixing positions enable mount from the front of the rack with offsets every quarter-inch from front to back to align with existing equipment.

An alarm condition is indicated by a red LED on the front panel as well as Form C relay contacts.

#### SAFETY STANDARDS

UL60950-1  
 CSA22.2 No. 60950-1  
 EN60950-1

#### TWO-YEAR WARRANTY



LVD1U200



LVD73/23/EEC

LV DISCONNECT PANELS	
MODEL	CONFIGURATION
LVD1U200-B1	+/-48V, 200A
LVD1U200-B3	+/-24V, 200A
LVD1U200-B5	+/-12V, 200A

### FEATURES

- ◆ One Mounting Position High: 1.75"
- ◆ 19- or 23-Inch Rack Mounting
- ◆ Current Capacity: 200A
- ◆ Operating Voltage: 12, 24 or 48VDC
- ◆ Positive or Negative Ground
- ◆ Red LED Alarm
- ◆ Form C Relay Contacts
- ◆ LVD in Series with Battery or Load
- ◆ Rack Offset Every 1/4", Front to Back

[www.unipowertelecom.com](http://www.unipowertelecom.com)

NORTH AMERICA CALL: 954-346-2442 • EUROPE CALL: +44 (0)1903 768200

## SPECIFICATIONS, LVD1U200 SERIES

### INPUT / OUTPUT

LVD Capacity <sup>3</sup> .....	200A
Configuration .....	Single
Voltage, <sup>1</sup> 48V Version .....	42-59 VDC
24V Version .....	21-29 VDC
12V Version .....	10.5-14.5 VDC
Polarity <sup>1</sup> .....	Positive or Negative Ground
LVD Connection .....	In Series with Battery or Load
LVD Disconnect Voltage <sup>2</sup> 48V Version .....	42.5 VDC
24V Version .....	21.25 VDC
12V Version .....	10.6 VDC
LVD Reconnect Voltage <sup>2</sup> 48V Version .....	49.0 VDC
24V Version .....	24.5 VDC
12V Version .....	12.25 VDC

### ALARMS

Alarm Indicator .....	Red LED
LED Status Indication .....	Red = LVD Contactor Open
.....	Off = Normal
Alarm Connections .....	Form C Relay Contacts
SAFETY STANDARDS .....	UL60950-1, CSA22.2 No. 60950-1, EN60950-1

### ENVIRONMENTAL

Operating Temp. Range .....	-10°C to +50°C
Storage Temp. Range .....	-40°C to + 85°C
Humidity .....	0% to 95%, Non-Condensing

### PHYSICAL SPECIFICATIONS

Case Material .....	Steel
Finish .....	Powder Coat Gray
Dimensions, Inches (mm) .....	1.75 H x 19.00 W x 9.00 D (44.5 x 483 x 229)
Weight .....	9.5 lbs. (4.16 kg.)
Rack Mounting Width .....	19 or 23 Inches

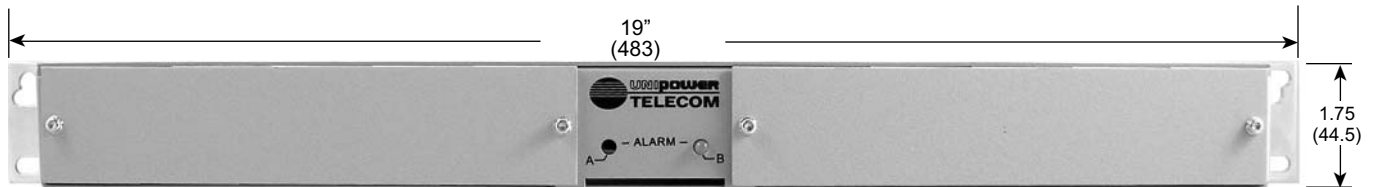
### CONNECTIONS

Input, Output, Battery .....	Crimp Type Lug or ¼ - 20 Studs
Chassis Ground Connection .....	No. 8-32 Stud
Alarm Connections .....	.045" sq. Wirewrap Pins

### NOTES:

1. See Model Table.
2. These voltages are adjustable at factory.
3. Capacity=200A with minimum of 1" air space above and below the shelf. Capacity=150A with top and bottom air openings blocked.

### FRONT VIEW



### REAR VIEW



**Note:** If section A is not specified, a blank panel is installed. Crimp type lugs should be ordered separately. For a kit of 4 two-hole lugs for no. 6 AWG wire, order no. 775-1434-0000, \$20.00.

ALL DIMENSIONS IN INCHES (mm).  
All specifications subject to change without notice.

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