



## DPB2U-AB SERIES

### DUAL BUS, CIRCUIT BREAKER PANELS

#### DESCRIPTION

Unipower Telecom's DPB2U Series of circuit breaker panels provide distribution and overload protection for up to 18 DC circuits. The panels are two rack units (3.50 inches) high. They distribute up to 300 amperes of load current for each A or B bus, with each bus having up to 9 circuit breakers. The panel can be configured for 12, 24 or 48 volts, positive or negative ground.

Magnetic circuit breaker capacities are from 1 to 100 amperes. The breakers can be removed and replaced from the front of the unit by disconnecting on the back and removing the front panel cover. An optional breaker alarm has a dual-color LED (green/red) and Form C relay contacts.

The input bus terminations are to copper bus bars. The standard model does not have a return bus; option R has a return bus bar.

The panels can be ordered for mounting in either a 19- or 23-inch relay rack. They are flush mounted to the rack.

#### SAFETY CERTIFICATIONS

UL60950  
CSA 22.2, No. 60950  
EN60950

#### TWO-YEAR WARRANTY



DPB2U-AB SERIES



LVD73/23/EEC

#### 2RU DUAL DISTRIBUTION PANELS

MODEL	BUS	BREAKERS/BUS	MOUNTING
DPB2U-AB-19	DUAL 300A	1-9	19 Inch
DPB2U-AB-23	DUAL 300A	1-9	23 Inch

See back page for return bus bar, option R

#### FEATURES

- ◆ Two Rack Units High: 3.50"
- ◆ Field Changeable Breakers
- ◆ 19- or 23-Inch Rack Mounting
- ◆ Magnetic Circuit Breakers
- ◆ Dual A/B Buses
- ◆ Optional Return Bus Bar
- ◆ 1 to 9 Breakers per Bus
- ◆ 1A to 100A per Breaker
- ◆ 300A per Bus, 600A Total
- ◆ Voltage: 12, 24 or 48VDC
- ◆ Positive or Negative Ground
- ◆ LED and Form C Relay Alarm Option
- ◆ -40° to +70°C Operating Temperature

## SPECIFICATIONS, DPB2U-AB SERIES

### INPUT/OUTPUT

Panel Capacity .....	300A Per Bus, 600A Total
Configuration <sup>1</sup> .....	Dual A/B Bus, 1 to 9 Breakers Each
Breaker Capacity <sup>2</sup> .....	1A to 100A
Voltage, <sup>3</sup> 48V Version .....	42-60VDC
24V Version .....	21-30VDC
12V Version .....	10.5-15VDC
Polarity <sup>3</sup> .....	Positive or Negative Ground

### CIRCUIT BREAKER ALARM OPTION

LED Alarm Indicator .....	Dual-Color LED
LED Status Indication .....	Green = Normal
..... Red = Alarm	

Alarm Connections .....

Form C Relay Contacts

**SAFETY STANDARDS** ..... UL1950, CSA22.2 No.950, EN60-950

### ENVIRONMENTAL

Operating Temp. Range .....	-40°C to +70°C
Storage Temp. Range .....	-40°C to +85°C
Humidity .....	0% to 95%, Non-Condensing

### PHYSICAL SPECIFICATIONS

Case Material .....	Steel
Dimensions, Inches (mm), DPB2U-AB-19 .....	3.50 H x 19.00 W x 7.91 D (88.9 x 483 x 201)
DPB2U-AB-23 .....	3.50 H x 23.00 W x 7.91 D (88.9 x 584 x 201)
Weight .....	9.55 lbs. (4.33kg.)
Rack Mounting Width .....	19 or 23 Inches

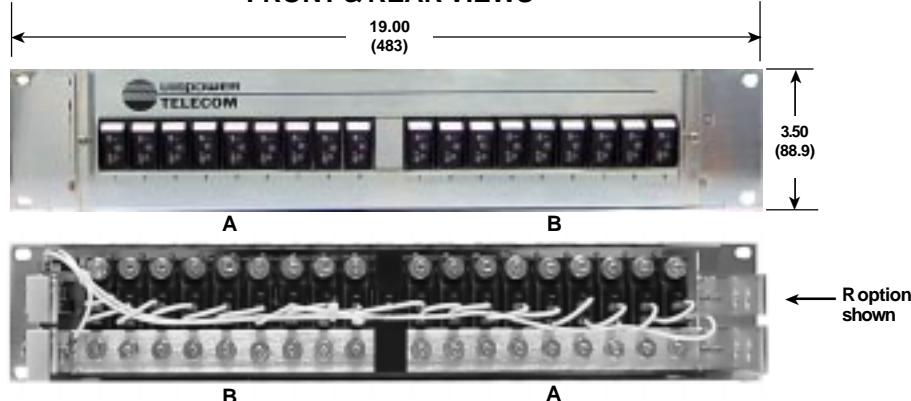
### CONNECTIONS

Input Connections .....	Bus Bar with Holes for 3/8" Bolts
Output Connections .....	1/4-20 Studs on Ckt. Bkrs.
Fail Alarm Connections .....	Spring Clamps

### NOTES:

1. Circuit breakers are installed in positions 1 to 9 in descending order of current capacity. Unused positions have a blank panel installed. Breakers above 50A will have blank panel space between them.
2. See table for breaker capacities.
3. See Ordering Guide to specify voltage and polarity.

### FRONT & REAR VIEWS



### ORDERING GUIDE

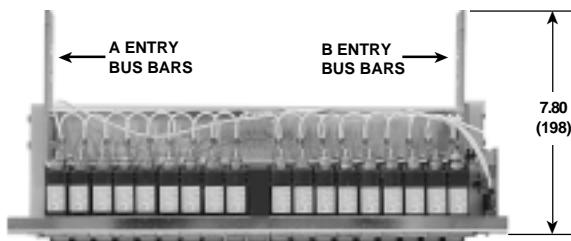
#### STANDARD BREAKERS<sup>2</sup>

CODE	VOLTAGE & POLARITY	CODE	AMPS	CODE	AMPS
1	-48V (Pos. Gnd.)	R	100	K	20
2	+48V (Neg. Gnd.)	Q	70	J	15
3	-24V (Pos. Gnd.)	P	60	I	10
4	+24V (Neg. Gnd.)	O	50	H	5
5	-12V (Pos. Gnd.)	N	40	G	2.5
6	+12V (Neg. Gnd.)	M	30	F	1
		L	25		

Model No: DPB2U-A  -  -  ...  - **B**  -  -  ...  -  -  -

1 2 9 1 2 9 BREAKERS BREAKERS

### TOP VIEW OF UNIT



CODE	OPTION
R	Return Bus Bar

RACK SIZE	CODE	OPTION
19		
23	D	Alarm Circuit LED + Form C Relay

ALL DIMENSIONS IN INCHES (mm).

All specifications subject to change without notice.

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