

### DESCRIPTION

UNIPOWER's DPPIU Series of circuit breaker panels provide distribution and overload protection for 1 to 16 circuits with circuit breakers that can be field installed/exchanged without the need for any additional tools. The panels are only one mounting position (1.75 inches) high.

The panels provide up to 16 breakers single-bus 150A or dual-bus 300A (8A/8B) distribution and alarm capabilities. The A and B sections of the dual-bus panel are fully isolated. Breaker capacities range from 1 to 30 amperes.

Breaker alarm is indicated by a dual color LED (green/red) and Form C relay contacts for each bus.

### FEATURES

- ◆ 48/24V Dual Voltage
- ◆ POLARITY NEUTRAL
- ◆ 150A bus bar inputs
- ◆ Single or Dual Feed
- ◆ NO tools required to change breakers
- ◆ Tapered entry for easy insertion
- ◆ NO or NC alarm contacts
- ◆ Alarm LEDs
- ◆ Power Fail form-C alarm
- ◆ 19" & 23" universal mounting brackets
- ◆ Rear panel safety cover standard

**THREE YEAR WARRANTY**

### SAFETY CERTIFICATIONS

UL60950-1 2<sup>nd</sup> Edition  
 CSA22.2, No. 60950-1 2<sup>nd</sup> Edition  
 EN60950-1 2<sup>nd</sup> Edition

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

North America & CALA: +1 954-346-2442 · EMEA: +1 561-990-3830 · [sales@unipowerco.com](mailto:sales@unipowerco.com)



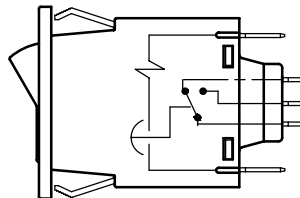
### DUAL FEED CONFIGURATION

MODEL NUMBER	VOLTS EACH FEED	INPUT FEEDS	MAX. # BREAKERS	AMPS EACH FEED	TOTAL AMPS
DPPIU-AI-BI	48/24 - 48/24	2	8 A Side & 8 B Side	150	300

### SINGLE FEED CONFIGURATION

MODEL NUMBER	VOLTS EACH FEED	INPUT FEEDS	MAX. # BREAKERS	AMPS EACH FEED	TOTAL AMPS
DPPIU-AI-BI-S	48/24 - 48/24	1	16	150	150

Note: All panels are shipped with 15 breaker position blanking plates.



### BREAKER ORDERING GUIDE

AMPS	PART NUMBER
1	348-1436-0000
2.5	348-1436-0010
5	348-1436-0020
10	348-1436-0030
15	348-1436-0040
20	348-1436-0050
25	348-1436-0060
30	348-1436-0070
BLANK	348-1418-0000

NOTE: Breakers need to be ordered individually and are shipped with each panel as separate items for field installation.

# SPECIFICATIONS

Typical at 25°C Unless Otherwise Noted.

### INPUT/OUTPUT

Input/Output Ratings.....150A Max. @ 40°C, each side A & B  
 125A Max. @ 50°C, each side A & B  
 50A Max. @ 70°C, each side A & B  
 See manual for details on CB deratings  
 Configuration.....150A Single Bus with 1 to 16 Breakers  
 300A Dual Bus 1 to 8 Breakers Each Bus  
 Breaker Capacity<sup>1</sup> .....1A to 30A  
 Voltage 24V or 48V nominal .....21-60VDC  
 Polarity .....Neutral, Positive or Negative Ground

### ALARMS

Alarm Indicator .....Dual Color LED Per Bus  
 LED Status Indication.....Green = Normal  
 Red = CB Trip Alarm  
 Off = No Power  
 Alarm Relays.....Form C Contacts for each Bus

### SAFETY

.....UL60950-1 2<sup>nd</sup> Ed., CSA22.2 No. 60950-1 2<sup>nd</sup> Ed., EN60950-1 2<sup>nd</sup> Ed.

### ENVIRONMENTAL

Operating Temp. Range.....-10°C to +70°C  
 Storage Temp. Range.....-40°C to + 85°C  
 Humidity.....0% to 95%, Non-Condensing

### PHYSICAL SPECIFICATIONS

Case Material.....Steel  
 Finish.....Powder Coat Black  
 Case Dimensions, Inches (mm).....1.74 H x 17.12 W x 8.94 D  
 (44.2 x 434.9 x 227.1)  
 Weight (excluding breakers) .....~13 lbs. ( 5.9 kg.)  
 Rack Mounting ..... 19 or 23 Inch

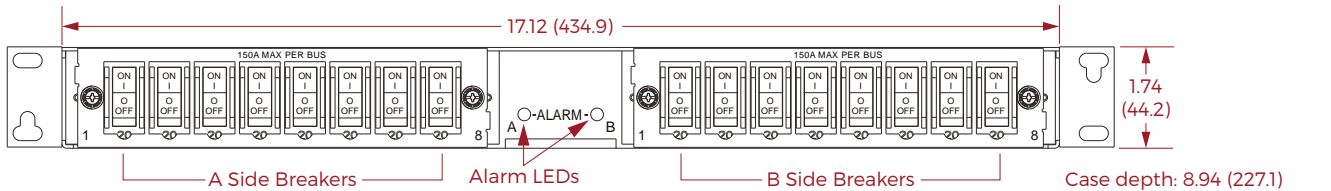
### CONNECTIONS

Input Connections.....Crimp Type Lug or ¼ - 20 Stud  
 Output Connections.....Barrier Terminal Strips, No. 6-32  
 Chassis Ground Connection.....No. 8-32 Stud  
 Alarm Relay Connections .....Spring Clamp Terminals,16-26AWG

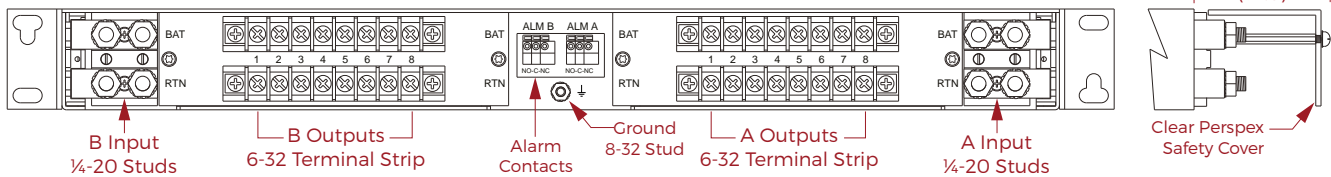
### Notes:

1. See ordering guide to specify.

### FRONT VIEW

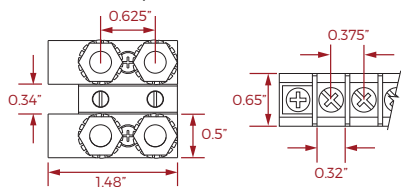


### REAR VIEW



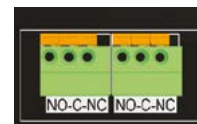
ALL DIMENSIONS IN INCHES (mm).

### BUS BAR / TERMINAL DETAIL



Crimp Lugs for input bus bars should be ordered separately.  
 For a kit of 4 two-hole lugs for no. 6 AWG wire order pt. no. 775-1434-0000.

### ALARM CONNECTOR DETAIL



Connectors are Phoenix Contact spring clamp type. Wires (16-26AWG) do not require any termination.

**NOTE:** Single feed models DPPIU-AI-BI-S has both left and right side input bus bars fitted. It is only necessary to connect the input feed to one side for correct operation.

The unused side is directly connected internally to the live input feed and can be used for supplying additional panels.

The total load must not exceed 150A on any one pair of bus bars in the chain.