

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

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

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DUAL FEED CONFIGURATION

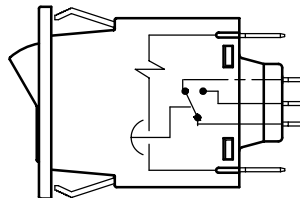
MODEL NUMBER	VOLTAGE	INPUT FEEDS	MAX. # BREAKERS	AMPS EACH FEED	TOTAL AMPS
DPPIU-A1-B1	-48 / -24V	2	8 A Side & 8 B Side	150	300
DPPIU-A4-B4	+24V / +48V				
DPPIU-A5-B5	-12V				
DPPIU-A6-B6	+12V				

Notes:

1. For single feed configurations add suffix **-S** to the above model numbers. Single feed units have the input busses internally connected together and the total amperage is limited to 150A.
2. 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 Capacity¹1A to 30A

Voltage

24V or 48V nominal21-60VDC
 12V nominal.....10.5-15VDC

Polarity See model listing

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

ALARMS

Alarm IndicatorDual Color LED Per Bus
 LED Status Indication.....Green = Normal
 Red = CB Trip Alarm
 Off = No Power

Alarm Relays.....Form C Contacts for each Bus

CONNECTIONS

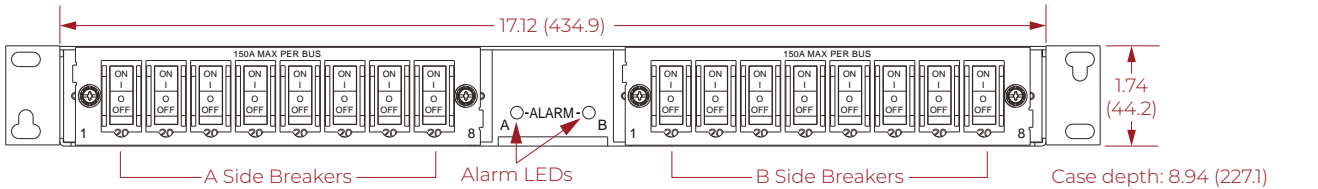
Input Connections.....Crimp Type Lug or ¼ - 20 Stud
 Output Connections.....Barrier Terminal Strips, No. 6-32
 Chassis Ground Connection.....No. 8-32 Stud
 Alarm Relay Connections Spring Clamp Terminals,16-26AWG

SAFETYUL60950-1 2nd Ed., CSA22.2 No. 60950-1 2nd Ed., EN60950-1 2nd Ed.

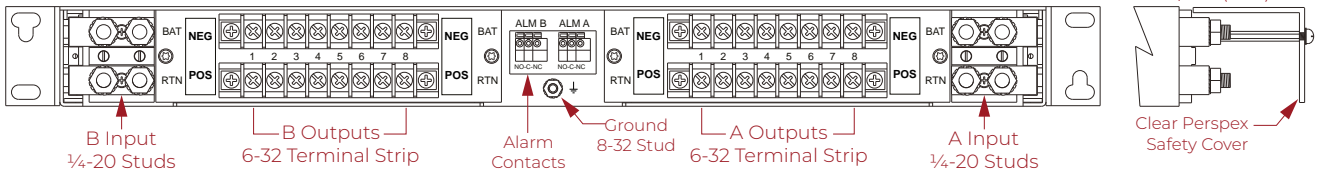
Notes:

1. See ordering guide to specify.

FRONT VIEW

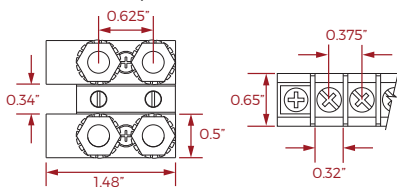


REAR VIEW



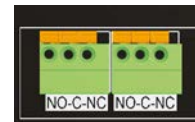
ALL DIMENSIONS IN INCHES (mm).

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 have 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.