






DC DISTRIBUTION SOLUTIONS



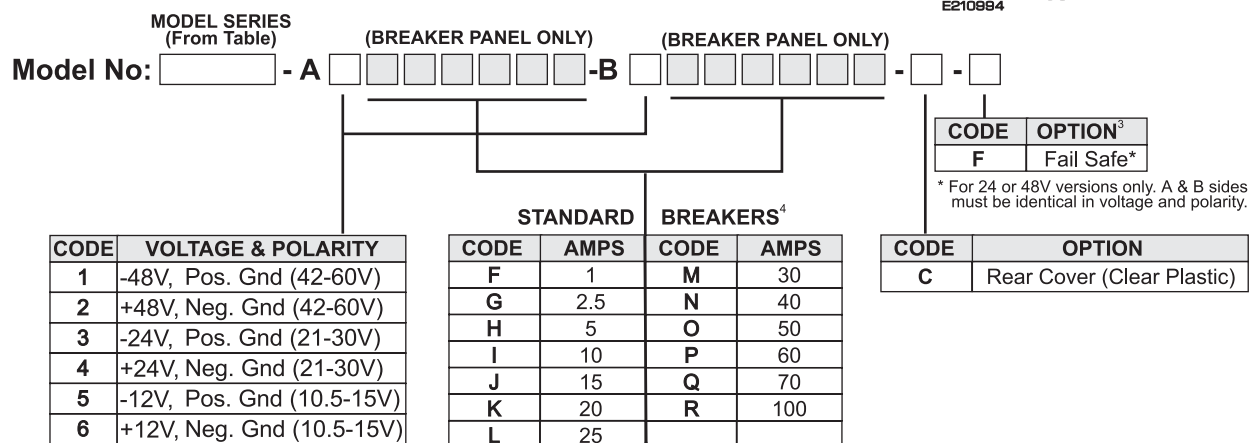
- ◆ 1RU & 2RU Panels
- ◆ Ckt. Breaker Panels
- ◆ Fuse Panels
- ◆ LVD Panels
- ◆ Combination Panels
- ◆ Temp. Ruggedized
- 40°C to +70°C
- ◆ Fail-Safe Operation

DC DISTRIBUTION PANELS

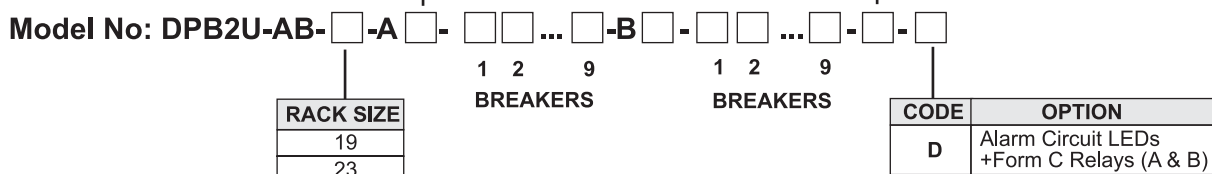
FEATURE	DPB1U	DPG1U	DPK1U	DPT1U	DPB2U-AB
					
Rack Space	1RU	1RU	1RU	1RU	2RU
Type	Ckt. Breakers	GMT Fuses	KTK Fuses	Type 70 Fuses	Ckt. Breakers*
Operating Voltage, DC	12, 24, 48	12, 24, 48	12, 24, 48	12, 24, 48	12, 24, 48
Single or Dual A/B Bus ¹	Single/Dual	Single/Dual	Single/Dual	Single/Dual	Single/Dual
Isolated Buses	✓	✓	✓	✓	✓
Capacity, Each Bus	150A	80A	150A	60A	300A
Capacity, Total	300A	160A	300A	120A	600A
No. Breakers/Fuses, Each Bus	6	10	5	6	9
No. Breakers/Fuses, Total	12	20	10	12	18
Capacity, Each Circuit	1-50A	½-12A	0.1-30A	½-10A	1-100A
Positive or Negative Ground	✓	✓	✓	✓	✓
Fail Safe Operation ³	Option	Option	Option	Option	—
Bus LED Alarm	✓	✓	✓	✓	Option
Bus Form C Relay Alarm	✓	✓	✓	✓	Option
Rack Mounting ²	19 or 23"	19 or 23"	19 or 23"	19 or 23"	19 or 23"

*Field replaceable

1RU PANEL ORDERING GUIDE



2RU PANEL ORDERING GUIDE



GENERAL SPECIFICATIONS, DC DISTRIBUTION PANELS

INPUT/OUTPUT

Panel Capacity See Table
Configuration Single or Dual Bus
Capacity See Table
Voltage, 48V Version 42-60VDC
24V Version 21-30VDC
12V Version 10.5-15VDC
Polarity Positive or Negative Ground

ALARMS

LED Alarm Indicator Dual-Color LED Per Bus
LED Status Indication Green = Normal
Red = Alarm
Off = No Power

Alarm Connections, 1RU Two Form C Relay Contacts Per Bus
2RU One Form C Relay Contacts Per Bus

SAFETY STANDARDS UL1801 & 60950, CSA22.2 No. 60950

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, 1RU Models, Inches (mm) 1.75 H x 19.00 W x 9.00 D
(44.5 x 483 x 229)
Dimensions, DPB2U-AB, Inches (mm) 3.5 H x 19/23 W x 10.19 D
(88.9 x 483/584 x 259)
Rack Mounting Width² 19 or 23 Inches

CONNECTIONS

Input Connections, 1RU Crimp Type Lug or ¼-20 Stud
2RU Bus Bar with Holes for ⅜" Bolts
Output Connections, 1RU Barrier Terminal Strips⁵
2RU ¼-20 Studs on Ckt. Bkrs.
Chassis Ground Connection, 1RU No. 8-32 Stud
Fail Alarm Connections, 1RU045" sq. Wirewrap Pins
2RU Spring Clamps

NOTES:

1. If a 1RU panel is ordered with a single bus, a blank panel is installed on the B (right) side. In 2RU panel, unused breaker slots are covered.
2. All 1RU panels come with universal brackets for 19- or 23-inch mounting. The DPB2U-AB must be ordered with either a 19- or 23-inch panel.
3. Fail safe operation is available on all 1RU panels, but not on DPB2U-AB. Both sides must be identical and with 24 or 48VDC. Panel depth is 10.44 inches (265mm).
4. The DPB1U may have circuit breakers up to 50A; for DPB2U-AB, breakers may be up to 100A. Each breaker must be designated by code in the ordering box.
5. GMT fuses shown in the table may be ordered from Unipower Telecom.
6. Screws are No. 6-32 for 1A to 30A loads and No. 10-32 for 40A to 50A loads.

FRONT AND BACK VIEWS

1RU BREAKER PANEL: DPB1U



1RU GMT FUSE PANEL: DPG1U



1RU KTK FUSE PANEL: DPK1U



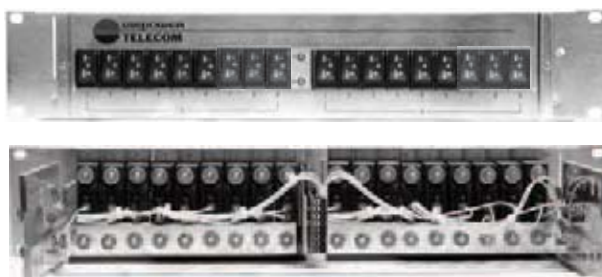
1RU TYPE 70 FUSE PANEL: DPT1U



GMT FUSES AVAILABLE

AMPS	PART NO.	COLOR
½	GMT-½	Red
¾	GMT-¾	Brown
1	GMT-1	Gray
1 ⅓	GMT-1 ⅓	White
2	GMT-2	Orange
3	GMT-3	Blue
5	GMT-5	Green
10	GMT-10	Red-White
12	GMT-12	Green-Yellow

2RU BREAKER PANEL: DPB2U-AB



CRIMP LUGS FOR 1U PANELS

Crimp-type lugs must be ordered separately. For a kit of 4 two-hole lugs for no. 6 AWG wire, order no. 775-1434-0000

COMBINATION DISTRIBUTION PANEL

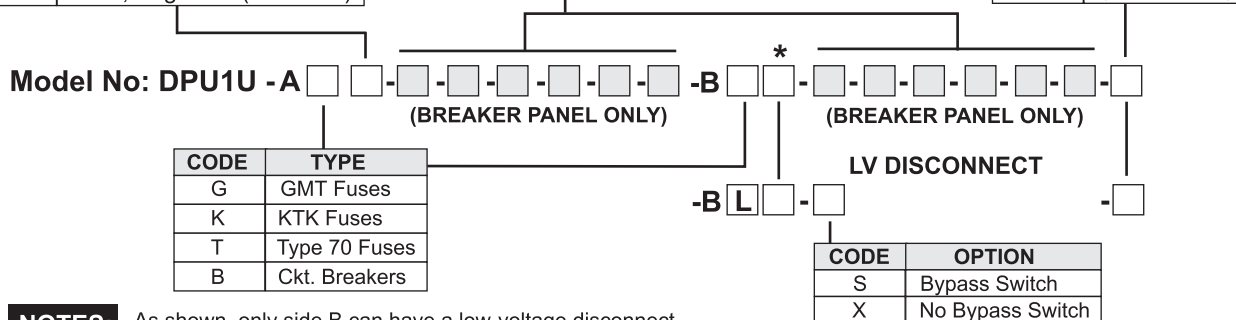
The DPU1U UNIFLEX® is a combination distribution panel with each A/B side isolated, independent and different. It permits combining a fuse panel, circuit breaker panel or low voltage disconnect (LVD) on one side with a different one on the other side. Voltages and polarities may also be different. The features and specifications of each side are identical with the 1RU single panels shown on pages 2 and 3. The table below summarizes the possible combinations.

SIDE	PANEL CHOICES				
A	6 CKT Breakers	10 GMT	5 KTK	6 TYPE 70	N/A
B	6 CKT Breakers	10 GMT	5 KTK	6 TYPE 70	LVD

ORDERING GUIDE

CODE	VOLTAGE & POLARITY *
1	-48V, Pos. Gnd (42-60V)
2	+48V, Neg. Gnd (42-60V)
3	-24V, Pos. Gnd (21-30V)
4	+24V, Neg. Gnd (21-30V)
5	-12V, Pos. Gnd (10.5-15V)
6	+12V, Neg. Gnd (10.5-15V)

CODE	AMPS	CODE	AMPS
F	1	K	20
G	2.5	L	25
H	5	M	30
I	10	N	40
J	15	Q	50



NOTES: As shown, only side B can have a low-voltage disconnect, specified by “L.” A bypass switch must also be designated yes or no. For a breaker panel, each breaker must be specified.

LOW-VOLTAGE DISCONNECT PANELS

There are three single/dual low-voltage disconnect panels available. Each can be connected for either load or battery disconnect. All models are available as 24 or 48VDC, positive or negative ground. A single LVD is indicated by model suffix “-B” and a dual LVD is indicated by model suffix “-A-B”



MODEL	LVD CAPACITY	BATTERY BREAKER	BYPASS SWITCH	FORM C RELAY ALARM	LED ALARM
LVD1U	70A	Yes	Option	Yes	Yes
LVD400	400A	No	No	Yes	No
LVD600	600A	No	No	Yes	No