DESCRIPTION

Unipower Telecom’s DPT1U Series of Type 70 fuse distribution panels provide distribution and overload protection for 6 or 12 circuits. The one mounting position (1.75 inches) high Type 70 fuse panels provide 6 single-bus fuses or 12 dual-bus (A&B) fuses (6 per bus). They distribute up to a total 120 amperes of load current from two separate 60-ampere sources with true A and B distribution and alarm capabilities. A and B sections of the dual-bus panel are isolated and can be separately configured for 12, 24 or 48 volts, positive or negative ground. Fuse sizes are ½ to 10 amperes.

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

The panels come with brackets that permit mounting in either a 19- or 23-inch relay rack. They can be mounted from the front of the rack with offsets every quarter-inch from front to back to align with existing rack-mounted equipment.

DISTRIBUTION PANELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BUS</th>
<th>FUSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPT1U-A</td>
<td>SINGLE 60A</td>
<td>6</td>
</tr>
<tr>
<td>DPT1U-A-B</td>
<td>DUAL 60A</td>
<td>6/6</td>
</tr>
</tbody>
</table>

FEATURES

◆ One Mounting Position High: 1.75”
◆ 19- or 23-Inch Rack Mounting
◆ Type 70 Fuses
◆ Single Bus with 6 Fuses
◆ Dual Bus (A/B) with 6 Fuses per Bus
◆ Bus Capacity: 60A per Bus
◆ Voltage: 12, 24 or 48VDC
◆ Positive or Negative Ground
◆ A & B are Isolated Loads
◆ A & B Can Be Separately Configured
◆ ½A to 10A Fuses
◆ Green/Red LED Fuse Alarm
◆ Two Form C Relay Contacts per Load
◆ Rack Offset Every ¼” From Front to Back

SAFETY STANDARDS

UL1950
CSA C22.2 No. 950-95

TWO-YEAR WARRANTY

www.unipowertelecom.com
954-346-2442
SPECIFICATIONS, DPT1U SERIES

**INPUT / OUTPUT**
- Panel Capacity: 60A Per Bus, 120A Total
- Configuration: Single Bus with 6 Fuses
  - Dual Bus with 6 Fuses Each
- Fuse Type: Type 70
- Fuse Capacity: ¼A to 10A
- Voltage: 48V Version: 42-60VDC
  - 24V Version: 21-30VDC
  - 12V Version: 10.5-15VDC
- Polarity: Positive or Negative Ground

**ALARMS**
- Alarm Indicator: Dual-Color LED Per Bus
- LED Status Indication: Green = Normal, Red = Alarm, Off = No Power
- Alarm Connections: Two Form C Relay Contacts Per Bus

**SAFETY STANDARDS**
- UL1950, CSA C22.2 No. 950-95

**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 Gray
- Dimensions, Inches (mm): 1.75 H x 19.00 W x 9.00 D (44.5 x 483 x 229)
- Weight: 9.13 lbs. (4.14 kg)
- Rack Mounting Width: 19 or 23 Inches

**CONNECTIONS**
- Input Connections: Crimp Type Lug or ¼ - 20 Studs
- Output Connections: Barrier Terminal Strips
- Chassis Ground Connection: No. 8-32 Stud
- Fail Alarm Connections: .045” sq. Wirewrap Pins

**ORDERING GUIDE**

**CODE**
- A
- B

**OPTION**
- F: Fail Safe *
- C: Rear Cover (Clear Plastic)

**NOTE:**
1. See table for fuse sizes.
2. See Ordering Guide to specify voltage and polarity.

**TYPE 70 FUSES**

<table>
<thead>
<tr>
<th>CODE</th>
<th>AMPS</th>
<th>BUSSMAN NO.</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>½ A</td>
<td>70G- ½A</td>
<td>Red</td>
</tr>
<tr>
<td>¾</td>
<td>70H- ¾A</td>
<td>Brown</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>70L- 1A</td>
<td>Pink</td>
<td></td>
</tr>
<tr>
<td>⅓</td>
<td>70A- ⅓A</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>70B- 2A</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>70N- 10A</td>
<td>Purple-Yellow</td>
<td></td>
</tr>
</tbody>
</table>

Order fuses separately. Unipower Telecom recommends Bussman fuses for this panel. They may be ordered from Unipower Telecom or directly from Bussman. Use part number from the table.

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

Example: DPT1U-A1-B4 specifies separately configured A and B sections. The A section is -48V (positive ground); the B section is +24V (negative ground)

**NOTE:**
If section B is not used, a blank panel is installed at the factory. The sum of all breaker currents on either side must not exceed 60 amperes.

**INPUT / OUTPUT**

<table>
<thead>
<tr>
<th>CODE</th>
<th>VOLTAGE &amp; POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-48V (Pos. Gnd.)</td>
</tr>
<tr>
<td>2</td>
<td>+48V (Neg. Gnd.)</td>
</tr>
<tr>
<td>3</td>
<td>-24V (Pos. Gnd.)</td>
</tr>
<tr>
<td>4</td>
<td>+24V (Neg. Gnd.)</td>
</tr>
<tr>
<td>5</td>
<td>-12V (Pos. Gnd.)</td>
</tr>
<tr>
<td>6</td>
<td>+12V (Neg. Gnd.)</td>
</tr>
</tbody>
</table>

All dimensions in inches (mm).
All specifications subject to change without notice.