**PDS-100**

**POWER DISTRIBUTION SYSTEM**

**Features**

- Quick and easy way to connect, protect, and program power to emergency vehicle accessories
- Provides 6 dedicated fused circuits configured in 3 load group to power radios, emergency lights, siren, video, MDT, radar, and more
- Flexible circuit activation/deactivation allows installer to set battery power use priority independently per 2 circuit Load Group:
  - Powered Only With Ignition
  - Timed Disconnect
  - Always On With Load Group LVD
  - Always On, No Load Group LVD
- Each circuit is fuse protected with LED indicator which identifies the blown fuse position, simplifying trouble shooting
- Master Low Voltage Disconnect protects batteries from extreme discharge
- Heavy duty studs for battery connections
- Screw terminals for secure load connections
- Increase circuit capacity by wiring multiple PDS using parallel busing kit

**Specifications:**

**Input:** 12V, neg. ground

**Power Consumption:** Idle: 8mA, Active: 180 mA/circuit

**Maximum Load per PDS:** 100A, 20A max. per fuse position

**Maximum Load Per System:** 3 PDS wired in parallel, 18 circuits

**Fuse Type:** ATC/ATO (not included)

**Programmable Shutdown per Load Group:** 2 min. – 13 hours

**Disconnect Range:** 11.8 - 10.6V DC

**Master Low Voltage Disconnect:** @ 10.5V (factory programmable 10.0 - 11.8V)

**Case:** Powder coated aluminum

**Bus:** Nickel plated copper

**Protective Cover:** Top panel connections and switches

**Weight:** 2 Lbs.

**Warranty:** 3 Years

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Circuits</th>
<th>Max Loads</th>
<th>Dimensions</th>
<th>Wgt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>390-5711-0</td>
<td>PDS-100</td>
<td>6</td>
<td>100A Total, 20A Per Position</td>
<td>6.20&quot; x 5.20&quot; x 2.00&quot;</td>
<td>2.0</td>
</tr>
</tbody>
</table>
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Expanded System Example: 3 x PDS-100, 18 circuits

- **Battery Input OK (Green)**
- **Status LED (Red)**
  - Programming Status
  - Ignition OFF
  - Over Voltage Shutdown
  - Under Voltage Shutdown
- **Circuit ID #**
- **ATC/ATO Fuse, 20 Amp Max.**
- **Fuse Ok LED (Green)**
- **Master Low Voltage Disconnect**
- **Battery Ground/Parallel Bus Tie Point**
  
- **Ignition Sense (+) Terminals**
- **Dip Switch Modules**
  - Set Power Activation Parameters Per Load Group:
    - Powered Only With Ignition
    - Timed Disconnect
    - Always On With Load Group LVD
    - Always On, No Load Group LVD
- **+12V Load Terminals**
- **Ground Load Terminals**
- **Battery Ground/Parallel Bus Tie Point**

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