Product Overview

The D8 power distribution module adds 8 auxiliary power outputs to a FlexPower power supply and is typically supplied as part of a system, or purchased as an expansion piece to an existing system.

The D8 provides 8 auxiliary power outputs, each one individually protected by a fuse (D8) or solid state circuit breaker (D8P).

Each output is programmable to either of the two voltages available when used in a FlexPower dual voltage power system, or to the continuous output or the resettable output of the power supply when used in a single voltage system. Red D8 boards are GEN II which add OutSmart dual color LEDs to visually indicate voltage levels by output (Green for 12V, Blue for 24V).

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Outputs</td>
<td>8</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>12 and/or 24 VDC</td>
</tr>
<tr>
<td>Output Voltage (Jumper Select)</td>
<td>12/24 VDC</td>
</tr>
<tr>
<td>Output Current / D8</td>
<td>Fused at 3A per output</td>
</tr>
<tr>
<td>Output Current / D8P</td>
<td>Class II at 2.5A per output</td>
</tr>
<tr>
<td>Supports follow on modules</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire Alarm Interface</td>
<td>Per Output (Single Voltage Only)</td>
</tr>
</tbody>
</table>

Features and Functions

Flexibility

- FlexConnect® Dual Buss Architecture for field selectable Buss 1 or Buss 2 output
- Fire Alarm Interface (FAI) for egress lock control when used with an FPO power supply in single voltage applications (via DC2 output)
- Multiple outputs for auxiliary power distribution or direct lock control and additional accessory power distribution modules

Output protection

- D8 ATM style fuse: 3A/per output
- D8P Solid state circuit breaker: 2.5A/per output

Visual Indicators

- DC Out (Dual Color LED per output - Green/12V or Blue/24V)

Mechanical

- Multiple modules can be daisy chained to add additional outputs
- Snap-in style mounting standoffs with fast-on connect cables for easy field installation

Lifetime warranty

- Fiberglass PCB and high efficiency circuit provides less heat generation leading to a longer service life and lower MTBF

Agency Listings

<table>
<thead>
<tr>
<th>USA</th>
<th>CANADA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 294</td>
<td>ULC S318</td>
</tr>
<tr>
<td>UL 603</td>
<td>ULC S319</td>
</tr>
<tr>
<td>UL 864</td>
<td>ULC SS27</td>
</tr>
<tr>
<td>UL 1076</td>
<td>CSA C22.2 #107.1</td>
</tr>
<tr>
<td>FCC Part 15, Subpart B</td>
<td>CSA 22.2 #60950</td>
</tr>
</tbody>
</table>

Ordering

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mechanical</th>
</tr>
</thead>
<tbody>
<tr>
<td>D8</td>
<td>Fused</td>
</tr>
<tr>
<td>D8P</td>
<td>Class 2 Power Limited</td>
</tr>
</tbody>
</table>

Size: 4” x 2.5” x 1.5”

Weight: .25 lb.

Provided with cables and mounting hardware
FLEXPOWER Standard Features

VSelect® One single switch for configuring the power supply output between 12 and 24VDC eliminates field errors and allows for the reduction and simplification of service inventory by eliminating the necessity of stocking units in each voltage.

FlexConnect® Power supply and accessory board interconnection system uses common mounting footprints, predrilled mounting holes, snap-in standoffs, pluggable wires, and a dual buss distribution architecture to simplify installation and service.

Reliability® FPO power supplies are fully fault protected and feature fiberglass printed circuit boards to protect the electronics from water and other corrosive elements found in industrial settings. High efficiency design promotes low heat generation leading to longer service life.

GreenSmart® FlexPower systems are RoHs compliant, lead-free, and meet the latest state, federal and European requirements for energy efficiency.

OutSmart™ Visual Voltage Verification - Output LED changes color based on voltage setting (12V/Green, 24V/Blue)

Expansion This module is typically part of an existing system or purchased to expand an existing system.

Flexibility Each output programmable for 12 or 24V in dual voltage systems, or continuous or fire drop in single voltage systems

This module may be added to any existing FlexPower system without restrictive agency listing issues.

DB / D8P Module Programming

Each output may be programmed for the following modes:

- Voltage output from power supply one when used in a single or dual voltage system
- Lock power with fire alarm interface (FAI), when used in a single voltage system. The host power supply determines whether the output is fail-safe or fail-secure
- Voltage output from power supply two when used in a dual voltage system

FlexConnect® Dual Buss Architecture

Each output may be individually programmed via jumper setting

OutSmart® Visual Voltage Verification

Output LED changes color based on voltage setting (12V/Green, 24V/Blue)

LifeSafetyPower.com

(888) 577-2898
info@lifesafetypower.com

Specifications subject to change without notice.

© 2019 LifeSafety Power Inc. All rights reserved. LifeSafety Power and FlexPower are registered trademarks of LifeSafety Power Inc. All other trademarks and copyrights are the property of their respective owners.
P01-003A 03/19

LifeSafety Power, Inc.
204 Terrace Drive
Mundelein, IL 60060 USA