LifeSafety Power®

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 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.

D8 incorporates OutSmart™ technology - color changing output LEDs that visually indicate voltage level (Green for 12V, Blue for 24V).

Specifications

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

Ordering

Model No.		Mechanical
D8	Fused	Size: 4" x 2.5" x 1.5"
D8P	Class 2 Power Limited	Weight: .25 lb.

Provided with cables and mounting hardware

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

Product listed for use in LifeSafety Power equipment

USA	CANADA
UL 294	ULC S318
UL 603	ULC S319
UL 1076	CSA C22.2 #107.1
FCC Part 15, Subpart B	CSA 22.2 #60950
CSFM Approved	

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.

D8 / D8P Module Programming

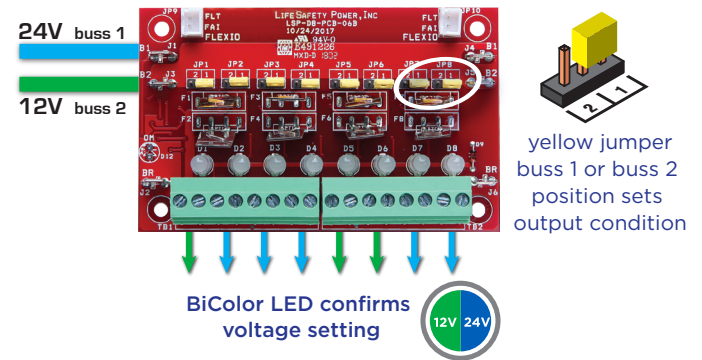Each output may be programmed for the following modes:

➢ *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)

24V buss 1
12V buss 2

yellow jumper buss 1 or buss 2 position sets output condition

BiColor LED confirms voltage setting

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Specifications subject to change without notice.

P01-003A   07/22

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