

## 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.

D8 incorporates OutSmart Color changing LEDs which visually indicate the selected voltage output setting (12V/Green, 24V/Blue).

## Specifications

Parameter	Rating
Power Outputs	8
Input Voltage	12 and/or 24VDC
Output Voltage (Jumper Select)	12/24VDC
Output Current / D8	Fused @ 3A per output
Output Current / D8P	Class 2 @ 2.5A per output
Support follows on modules	Yes
Fire Alarm Interface	Per output (Single Voltage Only)

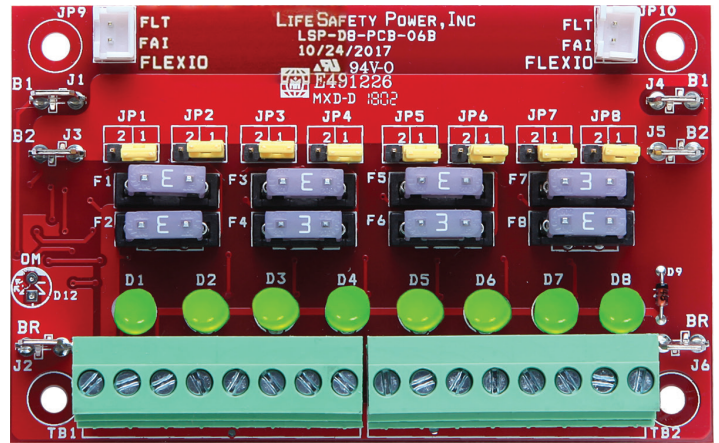
## Features

### 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 Series 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

- OutSmart Color changing LEDs indicate selected VDC output setting (12V/Green, 24V/Blue).

### 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 Mean Time Between Failure (MTBF).

## Ordering

Model	Output	Dimensions	Weight
D8	8 Output, Fused	4"H x 2.5"W x 1.5"D	.25 lb
D8P	8 Output, Class 2 Power Limited		

*Provided with cables and mounting hardware.*

## Agency Listings

### Domestic and International Certifications

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

Standard Features



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

**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.

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

**Reliability+** Fiberglass PCB for improved environmental performance, high efficiency operation..

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

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

Standard dual buss wiring between all accessory boards makes wiring simple and repeatable. Each output may be individually programmed via jumper setting.

OutSmart Visual Voltage Verification

24V buss 1

12V buss 2

BR ground

yellow jumper  
buss 1 or buss 2  
position sets  
output condition

BiColor LED confirms  
voltage setting

12V 24V