



## Ordering

Model No.		Mechanical
F8	Fused	Size: 4" x 2.5" x 1.5"
F8P	Class 2 Power Limited	Weight: .25 lb.

*Provided with cables and mounting hardware*

## 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	



## Product Overview

The F8 module adds 8 FAI-controlled voltage 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.

Each module provides 8 protected outputs, each output programmable to enable voltage on activation of the fire alarm interface (FAI), disable voltage on FAI or provide a constant output voltage.

Each output is also programmable to either of the two voltages available when used in a FlexPower dual voltage power system. Red F8 boards are GEN II which adds add OutSmart dual color LEDs to visually indicate voltage levels by Buss input (Green for 12V, Blue for 24V).

The F8 is typically used for controlling door holders or door locks in fail-safe, fail-secure or egress modes.

## Specifications

Parameter	Rating
Power Outputs	8
Input Voltage	12 and/or 24 VDC
Output Voltage (Jumper Select)	12/24 VDC
Output Current F8	Fused at 3A per output
Output Current F8P	Class II at 2.5A per output
Supports follow on modules	Yes
Fire Alarm Interface	Per Output

## Features and Functions

### Flexibility

- ◆ Lifesafety master lock disconnect (FAI)
- ◆ Multiple outputs for direct lock control and additional accessory power distribution modules
- ◆ Configurable enable, disable, or continuous modes of operation
- ◆ FlexConnect® Dual Buss Architecture for field selectable Buss 1 or Buss 2 output

### Output protection

- ◆ F8 ATM style fuse: 3A/per output
- ◆ F8P Solid state circuit breaker: 2.5A/per output

### Visual Indicators

- ◆ DC voltage Buss 1 and Buss 2 (Dual Color LED per input - Green/12V or Blue/24V)
- ◆ Fire Alarm Activation (red LED)

### 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



**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** This module may also be used to add FAI lock control features to an existing system that currently does not feature these functions.

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

**F8 Dual Buss Architecture**

Each output may be individually programmed via jumper setting

**OutSmart® Visual Voltage Verification**

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

24V buss 1

12V buss 2

BiColor LED confirms voltage inputs

4 1 3 2 5 6 jumper removed 2

**Programmable output setting for either:**

Pos. 1 (Top)	B1 Constant output voltage
Pos. 2	B1 voltage Enables on FAI
Pos. 3	B1 voltage Disables on FAI
Pos. 4	B2 Constant output voltage
Pos. 5	B2 voltage Enables on FAI
Pos. 6 (Bot.)	B2 voltage Disables on FAI
Removed	Disable output

**LifeSafetyPower.com**

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Specifications subject to change without notice.

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P01-004A 07/22

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