LifeSafety Power®

FLEXPOWER C4/C4P, C8/C8P

Relay Based Lock Control Module

4 Output (C4) | 8 Output (C8) | Fused or Class 2 Options

Overview

The FlexPower C4, C8 lock controller modules add either 4 or 8 lock control outputs to a FlexPower power supply and are typically supplied as part of a system or purchased as an expansion piece to an existing system.

Each module provides either 4 or 8 access control inputs capable of voltage or dry contact activation.

Each module provides either 4 or 8 lock outputs, each one programmable for fail-safe, fail-secure, dry contact, and fire alarm over ride for egress lock control.

In dual-voltage systems, each lock output is also programmable to either of the two voltages available when used in a FlexPower dual-voltage power system.

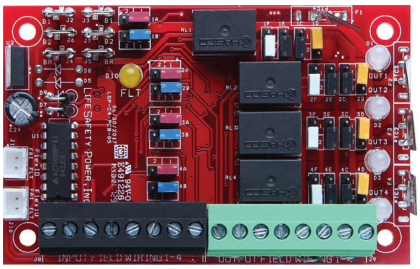
Lock modules incorporate OutSmart technology—color changing LEDs that visually indicate the output voltage level (12V/Green, 24V/Blue).

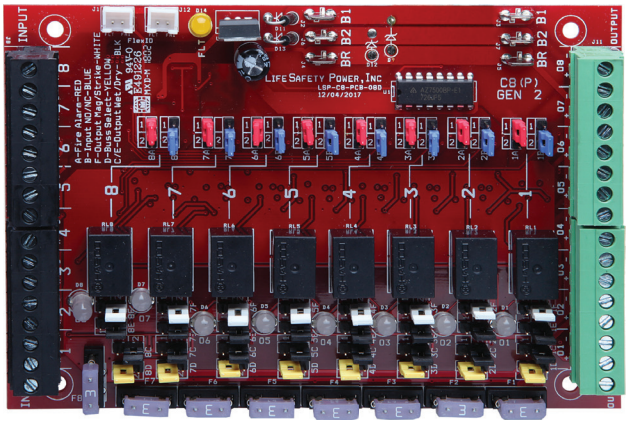
Each output is supervised for voltage and/or blown fuse with the fault reported to the host power supply.

Specifications

Parameter	Rating
Lock Outputs	4/8
Access Control Inputs	4/8
Input Voltage	12 and/or 24VDC
Input Current	20 Amps max
Output Voltage (Jumper Select)	12/24VDC
Output Current C4/C8	Fused @ 3A per output
Output Current C4P/C8P	Class 2 @ 2.5A per output
Fire Alarm Interface	Per output
Supports follow on modules	Yes

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Features

Flexibility

- Multiple outputs for direct lock control and additional accessory power distribution modules
- Color coded by function configuration jumpers for ease of programming
- Configurable fail-safe, fail-secure, and dry contact modes of operation
- Fire Alarm Interface (FAI) when used with an FPO Series power supply
- Fault detection and reporting to host power supply
- FlexConnect® Dual Buss Architecture
- OutSmart Color changing LEDs indicate 12 or 24VDC output setting

Output Protection

- C4/C8—ATM style fuse: 3A/ per output
- C4P/C8P—Solid state circuit breaker: 2.5A/per output

Agency Listings & Certifications

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, CE, RoHS, REACH

Ordering

Model	Output	Dimensions	Weight
C4	4 Output, Fused	4"H x 2.5"W x 1.5"D	.50 lb
C4P	4 Output, Class 2 Power Limited		
C8	8 Output, Fused	6"H x 4"W x 1.5"D	.75 lb
C8P	8 Output, Class 2 Power Limited		

Provided with cables and mounting hardware.

Features (continued)

Visual Indicators

- Output status per output (locked/unlocked)
- DC voltage per output (12V/Green, 24V/Blue)
- Fault (Yellow 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 Mean Time Between Failure (MTBF).

Relay Module Typical Jumper Programming

C8 / C4 Jumper Guide and Common Maglock / Strike Jumper Settings

Maglock Output	A	B	C	D	E	F
NC Contact Input - with FAI	1	1	2	*	2	2
NC Contact Input - without FAI	2	1	2	*	2	2
NO Contact Input - with FAI	1	2	2	*	2	2
NO Contact Input - without FAI	2	2	2	*	2	2

Strike Output	A	B	C	D	E	F
NC Contact Input - with FAI	1	1	2	*	2	1
NC Contact Input - without FAI	2	1	2	*	2	1
NO Contact Input - with FAI	1	2	2	*	2	1
NO Contact Input - without FAI	2	2	2	*	2	1

*** Set Jumper D according to which input voltage source (B1 or B2) should be directed to the output.**

COLOR	ACTION	REF	POSITION 1	POSITION 2	DESCRIPTION
RED	FAI	A	FAI ENABLED	FAI DISABLED	Jumper enables or disables FAI. Blue Jumper must be set correctly for FAI to work.
BLUE	INPUT TYPE	B	NC INPUT (Fail Secure)	NO INPUT (Fail Safe)	Jumper selects fail-safe or fail-secure input. Adjust jumper so LED is FLASHING when input is calling for door to UNLOCK.
BLACK	WET/DRY OUTPUT	C, E	RELAY CONTACT OUTPUT	VOLTAGE OUTPUT	Jumpers select if output is relay contact or voltage output. Set BOTH jumpers to same position for proper operation.
YELLOW	VOLTAGE SELECT	D	B1 BUSS VOLTAGE	B2 BUSS VOLTAGE	Jumper selects power supply input from Buss 1 or Buss 2. If only a single power supply is used, set jumper to Position 1.
WHITE	OUTPUT TYPE	F	STRIKE (Fail Secure)	MAGLOCK (Fail Safe)	Jumper selects fail-safe or fail-secure output. Adjust jumper so door is UNLOCKED when zone output LED is flashing.

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