FLEXPOWER M8/M8P

Managed Lock Power Module

8 Output DC Fused (M8) | Class 2 Power Limited (M8P) | Patent 9,952,565

Overview

The M8 Managed Lock Power Module communicates with a LifeSafety Power NetLink® module and provides eight monitored and controlled voltage outputs accessible from a network or the internet. Optional RS485 connection for remote monitoring through NetLink using RSMOD (not included).

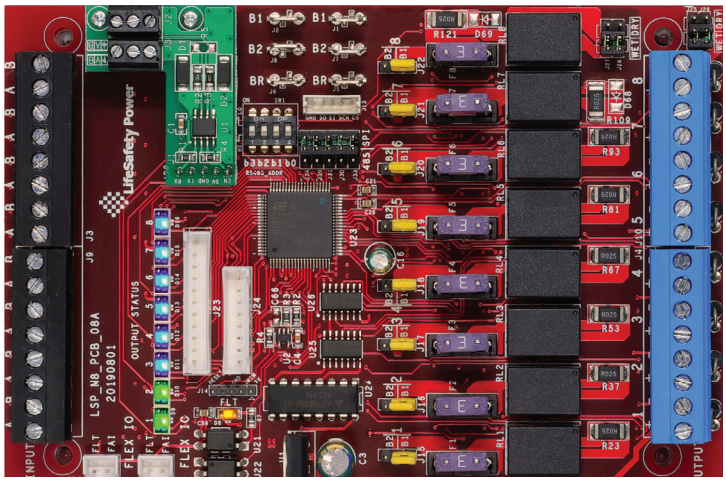
The M8 provides eight control inputs capable of voltage or dry contact activation and eight controlled and monitored outputs, with each output network programmable for fail-safe, fail-secure, fire alarm over ride, and AC loss over ride for egress lock control. Each output is also programmable to either of two voltages available when used in a dual-voltage power system. OutSmart dual color LEDs visually indicate voltage levels by output (12V/Green, 24V/Blue). One output is selectable as a network controllable dry relay output.

Each output may also be individually enabled/disabled through a browser interface and the voltage and current of each output may be monitored via network or internet, and trigger points may be set up on each output to generate an alert when that output is outside of selected parameters.

Specifications

Parameter	Rating
Input Voltage	12 and/or 24VDC
Input Current	20 Amps max
Output Voltage	12/24VDC
Current/Output	3A (Fused), 2.5A (Power Limited)
Current Measurement Range	0–3.0 Amps
Voltage Measurement Range	0–30 Volts
Lock Outputs	8
Access Control Inputs	8
Fire Alarm Interface	Per output (Single Voltage Only)

FLEXPOWER®



Shown with RSMOD (Not Included)

Applications

- Add remote lock management for banks, hospital wards, drug cabinets, high security areas, casinos, etc.
- Supervise locks and devices for over stress
- Power cycle DC cameras, NVRs, DVRs or any edge device
- Additional capabilities through the NetLink interface

Ordering

Model	Output	Dimensions	Weight
M8	8 Output, Fused	6"H x 4"W x 1.5"D	.75 lb
M8P	8 Output, Class 2 Power Limited		

Provided with cables and mounting hardware. RSMOD sold separately.

Agency Listings & Certifications

Domestic and International Certifications
UL 294, UL60950-1, CE, RoHS, REACH

Managed Power Features

Managed Power Features are enabled when this module is used with LifeSafety Power NetLink.

Functions

- Monitor, report health and status of power supply and battery set
- Auto-schedule, test, and report battery standby time
- Remote supervision of battery's state of charge
- Remote monitoring and alert of external temperature fluctuations
- Monitoring of internal cabinet temperature
- M8 requires a NetLink module

Monitoring and Reporting Power Systems

- Output condition / System integrity / Battery health

Remote Diagnostics and Service Features

- 8 managed outputs with system expansion for 24
- Individual output monitoring and reporting of
  - Current draw
  - Voltage level
  - Power draw
  - Cycle Count
- Individual output enable/disable
- Remote power cycling control of external equipment

Email or SNMP Notification

- Fire Alarm Interface (FAI) activation
- Abnormal condition—per output basis
  - Over voltage or over current
  - Loss of voltage or current
  - Output cycle count over limit

SNMP Set and Trap Notification

- Version 1, 2, or 3

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).

M8 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.

SmartZone Comprehensive output zone control with advanced power management, remote monitoring, and lock control.

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.

Home and Programming Screens

Output Details

- Voltage, current, power ratings
- Control Input, FAI, output cycle count, and output status

Each INPUT can be programmed to respond to

- Application of voltage between 9–33VDC
- Removal of voltage between 9–33VDC
- Normally open dry contact transition
- Normally closed dry contact transition
- Activation or deactivation through software

Each OUTPUT can be programmed for following modes

- Voltage output from power supply one
- Voltage output from power supply two
- Dry contact output (Output 8 only)
- Fail-safe, Fail-secure
- Fire alarm over ride for egress lock control
- AC loss over ride for egress lock control
- Trigger points based on voltage or current values to send an alert via email or SNMP

Device ID: M8-1 **Model:** M8 **M8 Notes:** **AC Power:** ON ver.0.50

Output #	Output Description	Voltage (V)	Current (A)	Power (W)	Power Ready	Control Input	FAI State	Cycle Count	Output Status
1	M8-1 Output 1	12.40	0.49	6.07	Yes	Inactive	Disabled	2	Normal
2	M8-1 Output 2	12.37	0.49	6.06	Yes	Inactive	Disabled	2	Normal
3	M8-1 Output 3	12.40	0.00	0.00	Yes	Inactive	Disabled	2	Normal
4	M8-1 Output 4	12.37	0.00	0.00	Yes	Inactive	Disabled	2	Normal
5	M8-1 Output 5	12.46	0.00	0.00	Yes	Inactive	Disabled	2	Normal
6	M8-1 Output 6	12.43	0.00	0.00	Yes	Inactive	Disabled	2	Normal
7	M8-1 Output 7	12.34	0.00	0.00	Yes	Inactive	Disabled	2	Normal
8	M8-1 Output 8	12.46	0.00	0.00	Yes	Inactive	Disabled	2	Normal

Enable Selected Outputs | Disable Selected Outputs | Reset Selected Outputs | Reset Selected Cycle Count | Save Settings
Enable All Outputs | Disable All Outputs | Reset All Outputs | Reset All Cycle Count

Output #	Output Description	Control Input Type	Output Load Type	Unlock on FAI Activation	Unlock on AC Loss	Email Alert on Fault	Voltage Lower Limit (V)	Voltage Upper Limit (V)	Current Lower Limit (A)	Current Upper Limit (A)	Cycle Count Limit
	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All
1	Lobby Door	Normally Open	Maglock	No	No	No	0.00	30.00	0.00	2.99	1000000000
2	Side Door	Normally Open	Maglock	No	No	No	0.00	30.00	0.00	3.00	1000000000
3	Storage Room	Normally Open	Maglock	No	No	No	0.00	30.00	0.00	3.00	1000000000
4	East Annex	Normally Open	Maglock	Yes	No	No	0.00	30.00	0.00	3.00	1000000000
5	Back Entrance	Normally Open	Maglock	Yes	No	No	0.00	30.00	0.00	3.00	1000000000
6	East Entrance	Normally Open	Maglock	Yes	No	No	0.00	30.00	0.00	3.00	1000000000
7	Loading Dock	Normally Open	Maglock	Yes	No	No	0.00	30.00	0.00	3.00	1000000000
8	Access Control Powe	Normally Open	Maglock/NC Contact	Yes	No	No	0.00	30.00	0.00	3.00	1000000000

LifeSafety Power®
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