



Shown with RSMOD (Not Included)



## Network Management

### Monitoring and reporting power systems for

- Output condition / System integrity / Battery health

### Remote diagnostics and service features

- Eight managed outputs with system expansion to twenty four
- 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 on

- 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

## 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

M8 requires a NetLink NL4 or NLX module

### Additional capabilities through the NetLink interface

- Monitor and report health and status of host 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
- Time / date stamp system log reports of last 100 events

## Product Overview

The M8 smart power controller communicates with an NL4 or NLX network module and provides eight (8) *monitored and controlled* voltage outputs accessible from a network or the internet. Optional RS485 connection for remote monitoring by NLX using RSMOD (not included).

The M8 provides eight (8) control INPUTS capable of voltage or dry contact activation and eight (8) 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 iSCAN power system. OutSmart dual color LEDs visually indicate voltage levels by output (Green for 12V, Blue for 24V). 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.

## Features and Functions

- **SmartZone™** Comprehensive output zone control
- **VSelect®** Provides installer selectable output voltage, when used in a dual voltage system
- **OutSmart™** Visual Voltage Verification - Output LED changes color based on voltage setting (12V/Green, 24V/Blue)
- **FlexConnect®** Dual voltage buss and prewired cables connect the M8 to the power supply or additional accessory modules
- **Reliability+®** Fiberglass PCB for improved environmental performance, high efficiency operation
- **GreenSmart®** RoHS compliant

## Specifications

Electrical Ratings	Specification
Input Voltage	12 and/or 24 VDC
Input Current	20 Amps max
Output Voltage	12 / 24 VDC
Current / Output	3A(fused), 2.5A(pwr ltd)
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

## Agency Listings

Product listed for use in LifeSafety Power equipment

UL 294  
UL60950-1



## Ordering

Model No.	Type	Mechanical Information
M8	8 output, Fused	Size: 6" x 4 x 1.5"
M8P	8 output, Class 2 Power Limited	Weight: .75 lb.

Provided with cables and mounting hardware. RSMOD sold separately.

**M8 Home Screen**

**Output Details**

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

Device ID:  Model:  M8 Notes:  AC Power:  OK ver.0.50

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

**M8 Programming Screen**

**Each INPUT can be programmed to respond to**

- ◆ Application of voltage between 9 and 33VDC
- ◆ Removal of voltage between 9 and 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

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
	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>	<input type="button" value="Fill All"/>
1	M8-1 Output 1	Normally Open	Maglock	Yes	No	Yes	0.00	30.00	0.00	3.00	100000000
2	M8-1 Output 2	Normally Open	Fail Secure Strike	No	No	Yes	0.00	30.00	0.00	3.00	100000000
3	M8-1 Output 3	Normally Open	Constant ON	No	No	Yes	0.00	30.00	0.00	3.00	100000000
4	M8-1 Output 4	Normally Open	Maglock	Yes	No	Yes	0.00	30.00	0.00	3.00	100000000
5	M8-1 Output 5	Normally Open	Fail Secure Strike	No	No	Yes	0.00	30.00	0.00	3.00	100000000
6	M8-1 Output 6	Normally Open	Maglock	No	No	Yes	0.00	30.00	0.00	3.00	100000000
7	M8-1 Output 7	Normally Open	Maglock	No	No	Yes	0.00	30.00	0.00	3.00	100000000
8	M8-1 Output 8	Normally Open	Maglock/NC Contact	No	No	Yes	0.00	30.00	0.00	3.00	100000000

**LifeSafetyPower.com**

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