Product Overview

The M8 smart power controller communicates with the NL4 network module and provides eight (8) monitored and controlled voltage outputs accessible from a network or the internet.

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. Red M8 boards are GEN II which add OutSmart dual color LEDs to visually indicate voltage levels by output (Green for 12V, Blue for 24V).

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

<table>
<thead>
<tr>
<th>Electrical Ratings</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>12 and/or 24 VDC</td>
</tr>
<tr>
<td>Input Current</td>
<td>20 Amps max</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>12 / 24 VDC</td>
</tr>
<tr>
<td>Current / Output</td>
<td>3A (fused), 2.5A (pwr ltd)</td>
</tr>
<tr>
<td>Current Measurement Range</td>
<td>0 - 3.0 Amps</td>
</tr>
<tr>
<td>Voltage Measurement Range</td>
<td>0 - 30 Volts</td>
</tr>
<tr>
<td>Lock Outputs</td>
<td>8</td>
</tr>
<tr>
<td>Access Control Inputs</td>
<td>8</td>
</tr>
<tr>
<td>Fire Alarm Interface</td>
<td>Per Output</td>
</tr>
</tbody>
</table>

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 the NetLink NL4 module

Additional capabilities through the NL4 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

Agency Listings

Product listed for use in LifeSafety Power equipment

UL 294
UL 2044
UL60950-1

Ordering

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Type</th>
<th>Mechanical Information</th>
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<tbody>
<tr>
<td>M8</td>
<td>8 output, Fused</td>
<td>Size: 6” x 4 x 1.5”</td>
</tr>
<tr>
<td>M8P</td>
<td>8 output, Class 2 Power Limited</td>
<td>Weight: .75 lb.</td>
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</tbody>
</table>

Provided with cables and mounting hardware
### M8 Home Screen

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

<table>
<thead>
<tr>
<th>Device ID:</th>
<th>Model: M8</th>
<th>Notes:</th>
<th>Device ID:</th>
<th>Model: M8</th>
<th>Notes:</th>
<th>AC Power:</th>
<th>ver.0.30</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>M8-1 Out 1</td>
<td></td>
<td>2</td>
<td>M8-1 Out 2</td>
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<tr>
<td>3</td>
<td>M8-1 Out 3</td>
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<td>M8-1 Out 6</td>
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<td>7</td>
<td>M8-1 Out 7</td>
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<td>8</td>
<td>M8-1 Out 8</td>
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</tr>
</tbody>
</table>

### 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
- 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

### LifeSafetyPower.com

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