

LifeSafety Power M8/M8P

8 Output, Smart Monitoring and Control Module
Fused (M8) or Class 2 Power Limited (M8P)

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

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.

Product Features

- Comprehensive output zone control
- Provides installer selectable output voltage, when used in a dual voltage system
- Dual voltage bus and prewired cables connect the M8 to the power supply or additional accessory modules
- Fiberglass PCB for improved environmental performance, high efficiency operation
- RoHS compliant

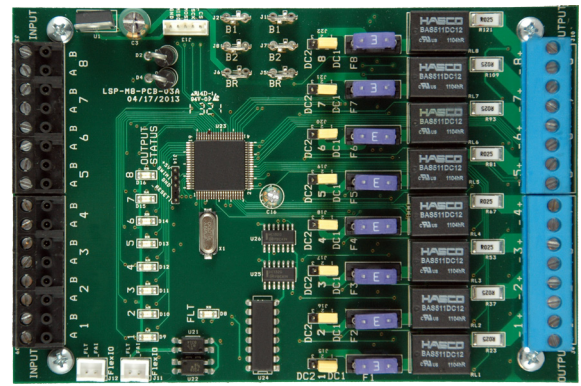
Agency Listings/Standards

Product listed for use in LifeSafety Power equipment

USA: UL 294, UL 2044, UL 60950-1

Electrical Ratings

Parameter	Rating
Input Voltage	12 and/or 24 VDC
Input Current	20 Amps
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



M8 requires NL4 network module

Features

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
 - Device ON/OFF recycling
- 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 power cycled

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

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
- 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

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

Output #	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)
	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All	Fill All
1	Disabled	Constant ON	No	Yes	Yes	20.000	27.000	1.500	3.300
2	Normally Closed	Maglock	Yes	Yes	Yes	10.000	14.000	0.400	0.650
3	Normally Closed	Maglock	No	Yes	Yes	20.000	28.000	0.100	0.300
4	Disabled	Constant ON	No	No	No	0.000	28.000	0.000	1.000
5	Disabled	Constant ON	No	No	No	0.000	28.000	0.000	3.000
6	Disabled	Constant ON	No	No	No	0.000	28.000	0.000	3.000
7	Normally Open	Fail-safe Strike	Yes	No	No	10.000	14.000	0.300	0.600
8	Normally Closed	Fail-secure Strike	Yes	No	Yes	10.000	14.000	0.300	0.600

M8 Home Screen

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

Device ID:	M8-1	Model:	M8	AC Power:	ON			
Output #	Output Description	Voltage (V)	Current (A)	Power (W)	Power Ready	Control Input	FAI State	Output Status
<input type="checkbox"/> 1	Load 1	24.869	2.709	67.370	Yes	Disabled	Disabled	Normal
<input type="checkbox"/> 2	Maglock 1	12.286	0.541	6.647	Yes	Inactive	Inactive	Normal
<input type="checkbox"/> 3	Maglock 2	24.988	0.270	6.747	Yes	Inactive	Disabled	Normal
<input type="checkbox"/> 4		0.000	0.000	0.000	Yes	Disabled	Disabled	No use
<input type="checkbox"/> 5		0.000	0.000	0.000	Yes	Disabled	Disabled	No use
<input type="checkbox"/> 6		0.000	0.000	0.000	Yes	Disabled	Disabled	No use
<input type="checkbox"/> 7	Doorstrike 1	12.286	0.361	4.435	Yes	Active	Inactive	Normal
<input type="checkbox"/> 8	Doorstrike 2	0.000	0.000	0.000	Yes	Inactive	Inactive	Normal

Rev.0.20 Enable Selected Outputs Disable Selected Outputs Enable All Outputs Disable All Outputs Save Settings

Ordering Information

MFG Part #	BluBØX Order #	Description
M8	670-2830	LSP M8 Monitored Lock Controller 8 Zone 3A Fused (requires NL4)
M8P	670-2840	LSP M8P Monitored Lock Power Controller 8 Zone 3A PTC (requires NL4)
Mechanical Information		Size: 6" x 4 x 1.5" Weight: .75 lb.

- Provided with cables and mounting hardware

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