



BluCHIP EMR-80RELAY

BluCHIP EMR-80RELAY Elevator System I/O for up to 64 Total Floor Stops

The BluCHIP EMR-80RELAY is relay elevator system I/O that supports up to 80 floor stops. The kit is designed to be installed in an elevator machine room and works in conjunction with an EMR Controller kit. The kit is configured with space to add backup battery and utilizes an FPO power supply to generate 24VDC and a B100 to generate 12VDC. It includes five Mercury MR16OUT boards, a locking enclosure with tamper, power supply and wiring speed kit.

System Features

FPO offline power supply

- 120 or 230 VAC input
- 12 and 24 VDC outputs
- On board Fire Alarm Interface
- Continuous and resettable DC

Distributed output module

- Four, controlled fused at 3A each
- Eight, auxiliary Class II P limited at 2.5A each

Expansion options

- Increased power, multiple voltages
- Additional distribution outputs
- Power management

Specifications

Input Power:

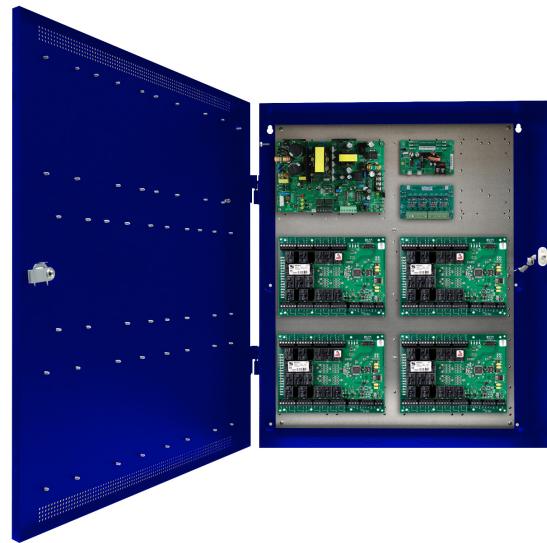
- Input 120/230VAC 50/60Hz | 200 Watts
- Overload and short circuit protection
- Over temperature protection
- Polarized AC power supply disconnect

Output Power:

- 150W Total Output Power | 12VDC/12A or 24VDC/6A
- 5-18VDC @ 4A Max. | FPO Board Outputs: Continuous (DC1), Resettable (DC2)
- 8 Auxiliary Outputs, Class 2 PL @ 2.5A Each
- 120mV Output Voltage Ripple | System Efficiency: 88% | System BTU Rating: 66 BTU/Hr

Battery Charging:

- Independent built-in 2A (FPO150) Charger for sealed lead-acid or gel type batteries
- Microprocessor dual rate charging of 12 or 24V battery sets
- Automatic switchover to standby battery when AC fails
- Zero voltage drop when switched over to battery backup



Enclosure Features

Labor saving design

- Unified power and security in one enclosure
- Pre-wired power section
- Removeable backplate simplifies installs
- Speed kit is included for power and data wiring
- Includes mounting studs on door to add additional I/O boards.

Additional benefits

- Wire management room
- 4.5" enclosure depth fits battery set
- Tamper switch, lock, dual key set standard
- Mounting hardware for access boards included

Regulatory Compliance:

- UL294, UL603, UL864, UL1076, UL1481, UL2044, UL2572, ULC S318, ULC S319, ULC S527
- CSA C22.2 #107.1, FCC Part 15, CSFM Approved

Access Panel:

- (8) MR16OUT
80 Outputs

Size and Weight:

- 24.00"H x 20.00"W x 4.50"D | 42 lbs.

Recommended board layout



Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
MR16OUT	120-2200	5	Mercury MR16OUT: 16 Programmable Form C Relays 12/24VDC
E4M1-SK-8	577-3020	1	BluBØX E4M1-SK-8 Speed Kit: Eightboard precut DC power and RS485 wiring kit.
FPO150-B100D8PE4M1	670-1385	1	LifeSafety Power: Eight door power supply w/ power distribution and management, includes enclosure

Ordering Information

BluBØX Order #	Description
753-3400	BluCHIP EMR-80RELAY Elevator System I/O for up to 80 Total Floor Stops