



## BluCHIP EMR-48RELAY-FID

BluCHIP EMR-48RELAY-FID Elevator System I/O for up to 48 Total Floor Stops w/ Floor ID

The BluCHIP EMR-48RELAY-FID is a Relay Elevator System I/O that supports up to 48 floor stops with Floor ID. The Floor ID feature allows the security system to capture elevator controller feedback of the floor selected by the user. 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 three Mercury MR16IN and three MR16OUT boards, two locking enclosures with tamper, power supply and wiring speed kits in each.



### 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

### 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 doors 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

### 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 Lock Outputs, 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

#### Regulatory Compliance:

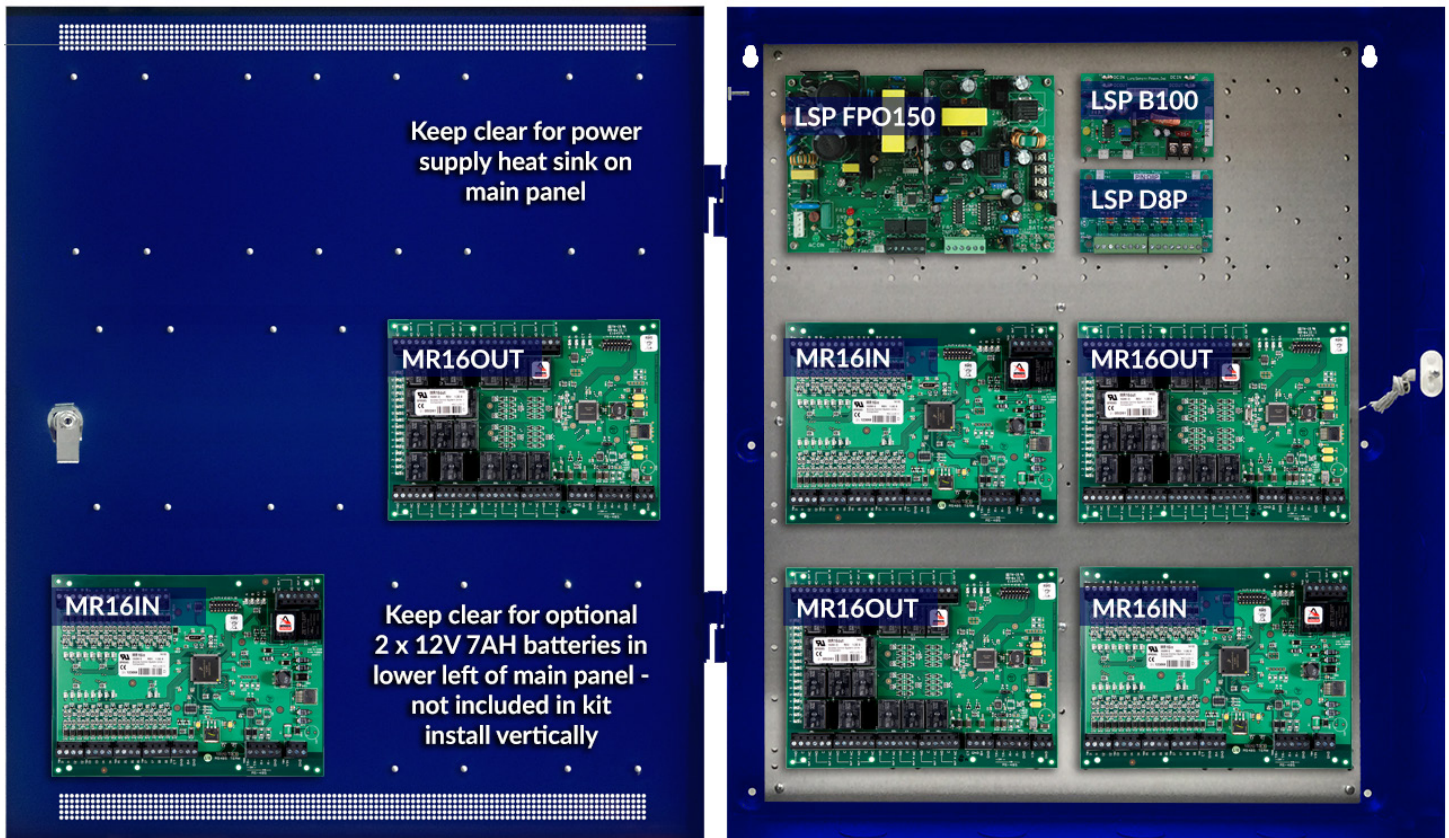
- UL294, UL603, UL864, UL1076, UL1481, UL2044, UL2572, ULC S318, ULC S319, ULC S527  
CSA C22.2 #107.1, FCC Part 15, CSFM Approved

#### Access Panel:

- (3) MR16IN, (3) MR16OUT  
48 Inputs | 48 Outputs

#### Size and Weight:

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



### Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
MR16IN	120-2100	3	Mercury MR16IN: 16 Programmable Inputs & 2 Prog Form C Relays 12/24VDC
MR16OUT	120-2200	3	Mercury MR16OUT: 16 Programmable Form C Relays 12/24VDC
E4M1-SK-8	577-3020	1	BluBØX E4M1-SK-8 Speed Kit: Eight board precut DC power, RS485 and lock trigger 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
753-4200	BluCHIP EMR-48RELAY Elevator Systems I/O for up to 48 Total Floor Stops w/ Floor ID

BluBØX: Security Re-Imagined

[www.blub0x.com](http://www.blub0x.com)

e. [info@blub0x.com](mailto:info@blub0x.com)

p. (844) 425-8209

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