



BluCHIP EMR-16RELAY-FID

BluCHIP EMR-16RELAY-FID Elevator System I/O for up to 16 Total Floor Stops w/ Floor ID

The BluCHIP EMR-16RELAY-FID is a Relay Elevator System I/O that supports up to 16 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 one Mercury MR16IN and one 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

Specifications

Input Power:

- Input 120/230VAC 50/60Hz | 100 Watts
- Overload and short circuit protection
- Over temperature protection
- Polarized AC power supply disconnect

Output Power:

- 75W Total Output Power | 12VDC/6A or 24VDC/3A
- FPO Board Outputs: Continuous (DC1), Resettable (DC2)
- 120mV Output Voltage Ripple | System Efficiency: 85% | System BTU Rating: 33 BTU/Hr

Battery Charging:

- Independent built-in 1A (FPO75) 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 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

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

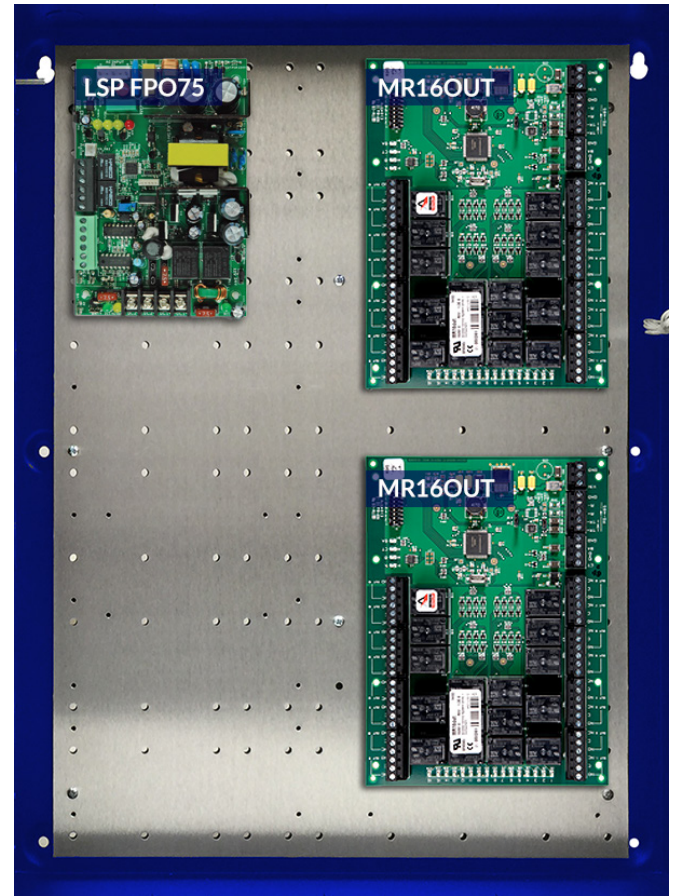
Access Panel:

- (1) MR16IN, (1) MR16OUT
128 Inputs | 128 Outputs

Size and Weight:

- 24.00"H x 16.00"W x 4.50"D | 27 lbs.

Recommended board layout



Kit Includes

| MFG Part # | BluBØX Order # | QTY | Description |
|------------|----------------|-----|---|
| MR16IN | 120-2100 | 1 | Mercury MR16IN: 16 Programmable Inputs & 2 Prog Form C Relays 12/24VDC |
| MR16OUT | 120-2200 | 1 | Mercury MR16OUT: 16 Programmable Form C Relays 12/24VDC |
| E2M-SK-2 | 577-3000 | 1 | BluBØX E2M-SK-2 Speed Kit: Two board precut DC power and RS485 wiring kit |
| FPO75-E2M | 670-1320 | 1 | LifeSafety Power: Single voltage power supply, includes enclosure |

Ordering Information

| BluBØX Order # | Description |
|----------------|--|
| 753-4000 | BluCHIP EMR-16RELAY-FID Elevator System I/O for up to 16 Total Floor Stops w/ Floor ID |

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