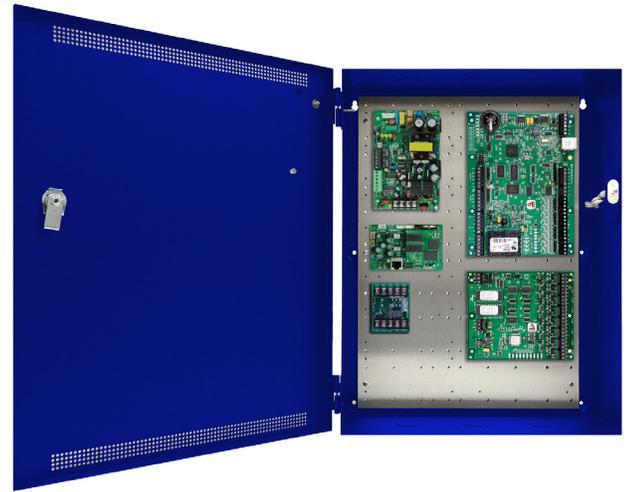




## BluCHIP 1502-EMRC

Mercury 1502-EMRC-PM2 Elevator Systems Controller for 1 to 8 Cars

The BluCHIP 1502-EMRC-PM2 is a Relay Elevator Systems Controller that supports 1 to 8 Cars with optional Floor ID. It can support Remote Power Management for 1 additional enclosure PS. The kit is configured with space to add backup battery and utilizes an FPO power supply to generate 12 or 24VDC. It includes a Mercury EP1502 and a Mercury MUX8 board, a locking four door enclosure with tamper, power supply and wiring speed kit. Managed lock power is included. The SIO's, their enclosures, and power must be ordered separately. Remote management and reporting of power supply and battery health are available through BluSKY Power Diagnostics.



### 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/6A or 24VDC/3A
- FPO Board Outputs: Continuous (DC1), Resettable (DC2)
- 120mV Output Voltage Ripple | System Efficiency: 85% | System BTU Rating: 66 BTU/Hr

#### Battery Charging:

- Independent built-in 1A (FPO75) and 1A (FP075) 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

#### 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

### Power and Enclosure 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

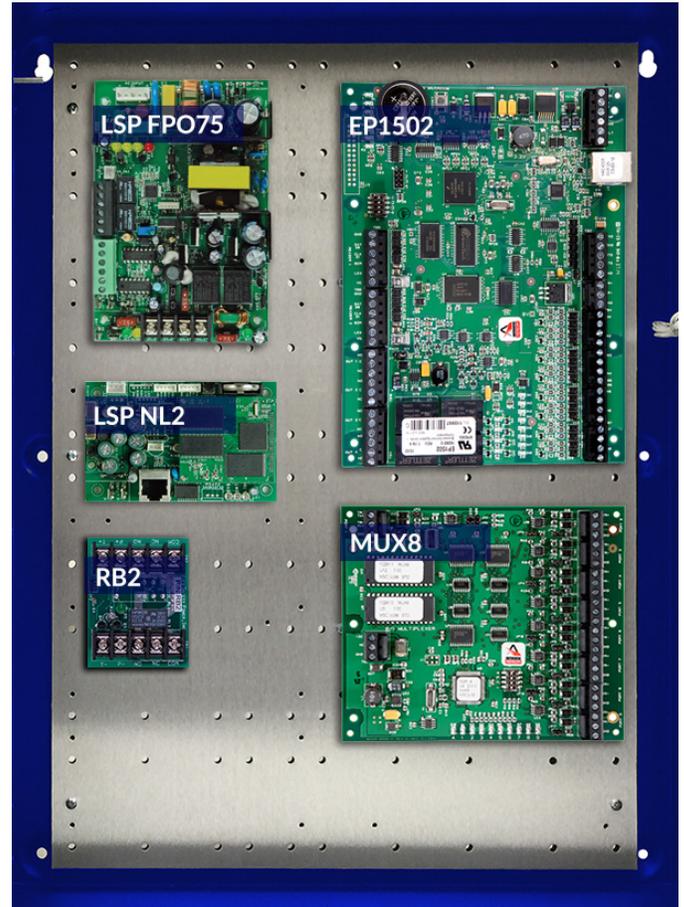
### Access Panel:

- (1) EP1502, (1) MUX8  
2 Reader | 16 Inputs | 4 Outputs

### Size and Weight:

- 20.00"H x 16.00"W x 4.50"D | 23 lbs.

## Recommended board layout



## Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
EP1502	120-1100	1	Mercury EP1502: Two Door DB Controller Ethernet 12/24VDC Auxiliary I/O
MUX8	120-2600	1	Mercury MUX8: 8 Channel RS485 for Star Configuration
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
NL2	670-2000	1	LifeSafety Power: Remote Power Monitoring & Management Module for up to 2 FPO devices

## Ordering Information

BluBØX Order #	Description
753-1100	Mercury 1502-EMRC-PM2 Elevator Systems Controller for 1 to 8 Cars

BluBØX: Security Re-Imagined

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