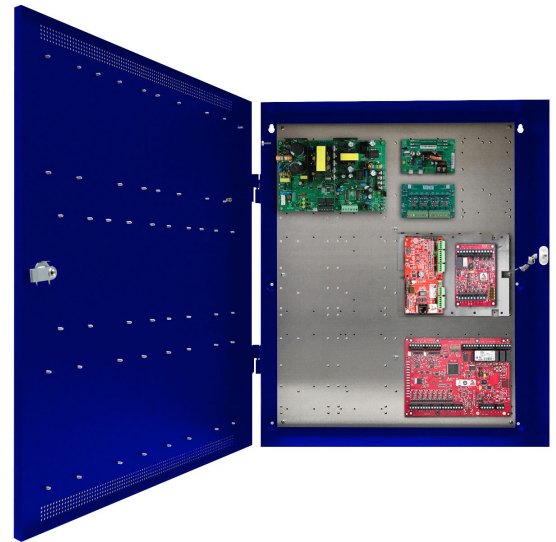




## LP1501-4R/12I/10O-E4M (752-3301)

LP1501 Four Reader / Twelve Input / Ten Output  
Access Control System

The LP1501-4R/12I/10O-E2M is a unified four reader, twelve input, ten output access control system with expansion space to support four additional readers and locks. The kit is configured with space to add backup battery and utilizes an FPO power supply to generate 12 or 24VDC. It includes a LP1501 board, MR50-S3 board, MR52-S3 board, a locking eight door enclosure with tamper, power supply and wiring speed kit. It is expandable to eight readers with two Mercury MR52-S3 boards. Configuration, administration and control are available through BluSKY.



### 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 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

### 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:

- (1) LP1501, (1) MR50-S3, (1) MR52-S3  
4 Readers | 12 Inputs | 10 Outputs

#### Size and Weight:

- 24.00"H x 16.00"W x 4.50"D | 41 lbs.

## Recommended board layout



## Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
LP1501	120-1001	1	One door DB controller Ethernet PoE/12V
MR50-S3	120-2301	1	One door controller & auxiliary I/O 12/24VDC
MR52-S3	120-2501	1	Two door controller & auxiliary I/O 12/24VDC
E2M-SK-5	577-3015	1	Five board precut DC power and RS485 wiring kit
LP1501-MR50	640-1400	1	LP1501-MR50 bracket
FPO75-B100D8PE4M1	670-1385	1	Eight door power supply with E4M1 enclosure

## Expansion Options

MFG Part #	BluBØX Order #	QTY	Description
MR52-S3	120-2501	1	Two door controller & auxiliary I/O 12/24VDC

## Ordering Information

BluBØX Order #	Description
752-3301	LP1501 four reader, twelve input, ten output access control system for up to eight doors

BluBØX: Security Re-Imagined

www.blub0x.com

e. info@blub0x.com

p. (844) 425-8209

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