



LP1501-8R/28I/22O-E4M1L (752-3701)

LP1501 Eight Reader / Twenty-eight Input / Twenty-two Access Control System

The LP1501-8R/28I/22O-E4M1 is a unified eight reader, twenty eight input, twenty-two output access control system with lock power. 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, three MR52-S3 boards, a locking eight door enclosure with tamper, power supply, lock power and wiring speed kit. 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

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

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 Managed 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:

- (1) LP1501, (1) MR50-S3, (1) MR52-S3
8 Readers | 28 Inputs | 22 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	3	Two door controller & auxiliary I/O 12/24VDC
E4ML-SK-5T	577-3045	1	Five board power, data wiring kit includes RS45 harness and pre-cut power and trigger pairs
LP1501-MR50	640-1400	1	LP1501-MR50 bracket
FPO150-B100C8PD8PE4M1	670-1475	1	Eight door power supply with lock power and E4M1 enclosure

Ordering Information

BluBØX Order #	Description
752-3701	LP1501 eight reader, twenty-eight input, twenty-two output access control system with lock power for eight doors

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