



LP1501-8R/28I/22O-E4M1 (752-3601)

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

The LP1501-8R/28I/22O-E4M1 is a unified eight reader, twenty eight input, twenty-two output access control system. 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 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 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:

- (1) EP1501, (1) MR50-S3, (1) MR52-S3
8 Readers | 28 Inputs | 22 Outputs

Size and Weight:

- 24.00"H x 20.00"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
E4M-SK-5T	577-3015	1	Five board precut DC power and RS485 wiring kit
LP1501-MR50	640-1400	1	LP1501-MR50 bracket
FPO150-100D8PE4M1	670-1385	1	Eight door power supply with E4M1 enclosure

Ordering Information

BluBØX Order #	Description
752-3601	LP1501 eight reader, twenty-eight input, twenty-two output access control system for eight doors

BluBØX: Security Re-Imagined
www.blub0x.com
 e. info@blub0x.com
 p. (844) 425-8209
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