



Product data sheet

LSP-IN8DRN-E4MWTB

LSP-8DR-NET, LSP-E4M, PREWIRED, TIE WRAP, MNGD, DUAL VOLTAGE POWER

Overview

The LSP-IN8DR series is a UL, FCC and CE listed system designed to provide both operating power and a mechanical housing for LenelS2 access control components.

The LSP-IN8DR series enclosure provide mounting for two up to eight LenelS2 and multiple LSP devices in an access control system capable of controlling from four to twenty doors. The LSP equipment is provided as part of the LSP-IN8DRxx-xxxxxx enclosure. LenelS2 equipment is provided by the integrator based on the job requirements. All models are universal input (100 - 240 VAC) with dual voltage operation (12 and 24 VDC), power distribution and control, individual output protection, optional class 2 power limiting, buffered lock control, and optional remote reporting and test. Each output is protected against electrical surges caused by lightning or transients on the external wiring and each control output is individually selectable for available DC voltages, and either fail-safe or fail-secure operation with fire alarm interface.

We offer 2 possibilities for cable management : Tie wrap (T) | Panduit (P), and there are 3 possible pre-wiring options being : LNL-X2220/X4420 and LNL-1320-S3 (A suffix) | LNL-X3300 and LNL-1320-S3 (B suffix) | All LNL-1320-S3 (C suffix).

Network management

Optionally, network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current, fire alarm input and status of each individual output. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

Product description

This LSP-IN8DRN-E4MWTB is a wall mount enclosure, and is pre-wired for 1x LNL-X3300, LNL-3300 controller and 3x LNL-1320-S3, LNL-1320 interfaces. The enclosure has a tie wrap cable management and is remote network managed. It includes 1x LSP-E4M, 1x LSP-FPG200, 1x LSP-B100, 2x LSP-D8P, 1x LSP-M8P, and 1x LSP-NL4.



Details

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- Tight regulation provides long-term lock protection
- Built-in FAI allows unlocking of doors on a fire alarm condition.
- Individual output selection for fail-safe, fail-secure, lock voltage and fire alarm interface.
- Visual verification of output voltage setting
- Dual voltage: 12 VDC and 24 VDC
- Each distributed output selectable for 12 or 24 VDC
- Network ready with optional module to monitor AC line, power supply and battery performance
- Perform remote servicing, auto-schedule battery remote tests
- CE, and UL, FCC Listed with LenelS2 controllers as a complete system
- Lifetime Warranty

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Technical specifications

General

| | |
|--------------------|---|
| Door support | 8 |
| Pre-wired for | 1x LNL-X3300, LNL-3300 controller and 3x LNL-1320-S3, LNL-1320 interfaces |
| Cable guide | Tie-wrapped |
| Locked with keys | Yes |
| Network monitoring | Yes |
| Ethernet data rate | 10/100 Mbps |

Electrical

| | |
|-----------------------|---------------|
| Power consumption | 275 W maximum |
| Protected electronics | Yes |

Electrical input

| | |
|---------------------|--------------------------|
| Voltage (operating) | 100 - 240 VAC 50 / 60 Hz |
|---------------------|--------------------------|

Electrical output

| | |
|------------------------------------|--|
| Voltage 12 V mode (on mains power) | 4 A at 12 VDC (factory set to 12 VDC and 24 VDC) |
| Voltage 24 V mode (on mains power) | 6 A at 24 VDC (factory set to 12 VDC and 24 VDC) |
| Ripple | 120 mV output voltage ripple |
| Max. load current | 200 W maximum combined power |

Battery

| | |
|------------------|--|
| Battery capacity | 80 Ah battery charger |
| Battery charge | 1.6 A / 0.8 A selectable charge (sealed lead acid / gel) |
| Battery Backup | Autoswitch to battery with zero voltage drop |
| Battery Backup | Low power cutoff to prevent battery deep discharge |
| Battery Backup | Reverse battery protection |
| Microprocessor | dual rate charging of 12 or 24 VDC batteries |

Physical

| | |
|---------------------|--------------------|
| Physical dimensions | 610 x 510 x 165 mm |
| Net weight | 12 kg |
| Colour | Black powder coat |
| Material | Steel |
| Mounting type | Wall mount |

Environmental

| | |
|-----------------------|--------------|
| Operating temperature | -20 to +50°C |
| BTU/hr | 85 |

Standards & Regulation

| | |
|------------|------------------------------------|
| Compliance | CE, FCC, RoHS, UL, UL 1076, UL 294 |
|------------|------------------------------------|

Supervision

| | |
|--------------|--|
| AC fail | form "C" contacts |
| System fault | form "C" contacts, may be triggered by: low/no battery, power supply failure, blown fuse |
| Shutdown | Low power shutdown when battery voltage too low |

LED Visual Indicators

| | |
|--------------------|----------------------|
| Power Supply Board | AC On |
| Power Supply Board | DC output (Bi-Color) |
| Power Supply Board | System Fault |
| Power Supply Board | FAI |

Power Distribution

| | |
|--------------------------|--|
| Output | Overload & short circuit protection with auto-restart |
| Output | Bi-color output LED indicates output voltage |
| Standard models | 8 relay lock control outputs Class II Power limited at 2.5 A/each (LSP-C8P distribution board) |
| Standard models | 8 auxiliary outputs, class II power limited at 2.5 A/each (LSP-D8P distribution board) |
| Networked managed models | 8 managed outputs Class II Power limited at 2.5 A/each (LSP-M8P distribution board) |

How to order

| | |
|---------------------|--|
| LSP-IN4DR-E2MWTA | LSP-4DR, LSP-E2M, PREWIRED, TIE WRAP, DUAL VOLTAGE POWER |
| LSP-IN4DRN-E2MWTA | LSP-4DR-NET, LSP-E2M, PREWIRED, TIE WRAP, MNGD, DUAL VOLTAGE POWER |
| LSP-IN8DR-E4MWTA | LSP-8DR, LSP-E4M, PREWIRED, TIE WRAP, DUAL VOLTAGE POWER |
| LSP-IN8DRN-E4MWTA | LSP-8DR-NET, LSP-E4M, PREWIRED, TIE WRAP, MNGD, DUAL VOLTAGE POWER |
| LSP-IN16DR-E8M2WTA | LSP-16DR, LSP-E8M2, TIE WRAP, PREWIRED, DUAL VOLTAGE POWER |
| LSP-IN16DRN-E8M2WTA | LSP-16DR-NET, LSP-E8M2, TIE WRAP, PREWIRED, MNGD, DUAL VOLTAGE POWER |
| LSP-IN8DR-E4MWPA | LSP-8DR, LSP-E4M, PREWIRED, PANDUIT, DUAL VOLTAGE POWER |
| LSP-IN8DRN-E4MWPA | LSP-8DR-NET, LSP-E4M, PREWIRED, PANDUIT, MNGD, DUAL VOLTAGE POWER |
| LSP-IN16DR-E8M2WPA | LSP-16DR, LSP-E8M2, PREWIRED, PANDUIT, DUAL VOLTAGE POWER |
| LSP-IN16DRN-E8M2WPA | LSP-16DR-NET, LSP-E8M2, PREWIRED, PANDUIT, MNGD, DUAL VOLTAGE POWER |

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