Product data sheet

LSP-IN16DR-E8M2WPA

LSP-16DR, LSP-E8M2, PREWIRED, PANDUIT, DUAL VOLTAGE POWER

Overview

The LSP-IN16DR 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-IN16DR 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-IN16DRxx-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-IN16DR-E8M2WPA is a wall mount enclosure, and is pre-wired for 1x LNL-X4420, LNL-X2220, LNL-2220 controller and 7x LNL-1320-S3, LNL-1320 interfaces. The enclosure has a panduit cable management and is not remote network managed. It includes 1x LSP-E8M2, 1x LSP-FPG100, 1x LSP-FPG200, 3x LSP-D8P, and 2x LSP-C8P.

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	16
Pre-wired for	1x LNL-X4420, LNL-X2220, LNL-2220 controller and 7x LNL-1320-S3, LNL-1320 interfaces
Cable guide	Panduit
Locked with keys	Yes
Network monitoring	No

Electrical

Power consumption	428 W maximum
Protected electronics	Yes

Electrical input

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

Electrical output

Voltage 12 V mode (on mains power)	8 A at 12 VDC (factory set to 12 VDC and 24 VDC)
Voltage 24 V mode (on mains power)	8 A at 24 VDC (factory set to 12 VDC and 24 VDC)
Ripple	120 mV output voltage ripple
Max. load current	300 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	910 x 760 x 165 mm
Net weight	30 kg
Colour	Black powder coat
Material	Steel
Mounting type	Wall mount

Environmental

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

Standards & Regulation

Compliancy	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	16 relay lock control outputs Class II Power limited at 2.5 A/each (2x LSP-C8P distribution board)
Standard models	16 auxiliary outputs, class II power limited at 2.5 A/each (2x LSP-D8P distribution board)
Networked managed models	16 managed outputs Class II Power limited at 2.5 A/each (2x 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-IN16DN-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-IN16DN-E8M2WPA	LSP-16DR-NET, LSP-E8M2, PREWIRED, PANDUIT, MNGD, DUAL VOLTAGE POWER

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