

LNL-300XA

13.8 VDC 4 A Switched Mode Power Supply (=LNL-300XA-PSUFOM4), with LNL-300XA-ENC enclosure, includes cable guide support, front and pryoff tamper (key and screw locked) - CE

Product Overview

The new LenelS2 access control range of switch mode power supplies has been specifically designed to house all common LenelS2 access control door controllers & modules.

With different power options and enclosure sizes the range provides a solution for up to a 12 LenelS2 controllers/modules (refer to the manual for all the different combinations). The modular construction simplifies maintenance.

All PSU models offer fault signalling and can charge a 12 VDC standby battery to provide backup power on a mains failure. Multi-fused outputs are provided to allow the installer to protect individual circuits as required. All models possess a mains fail relay output while the LNL-200XA, LNL-300XA and LNL-400XA models also offer additional Battery Monitoring and Deep Discharge Protection to prevent premature battery failure when operating in standby mode for extended periods.

The LNL-300XA and LNL-600XA is provided with a unique hinged cabling system whilst also offering an independent ancillary relay that can be used for applications such as a 'Fire' door release relay. The LNL-600XA can provide either 12 VDC or 24 VDC.

The products use energy efficient switch mode technology and therefore have a universal mains supply input (90 to 264 VAC).



Details

- Enclosure (white with LenelS2 logo)
- PCB standoffs supplied for housing several Lenel controller/modules
- Cost effective switch mode technology
- Front & rear enclosure tamper
- Mains Fail relay output
- Battery Monitoring (LNL-200XA / LNL-300XA / LNL-400XA)
- Volt-free fault outputs (LNL-200XA / LNL-300XA / LNL-400XA)
- Deep discharge protection ((LNL-200XA / LNL-300XA / LNL-400XA)
- Independent ancillary relay (LNL-300XA / LNL-600XA)
- Selectable 13.8 V / 27.6 VDC output (LNL-600XA)
- Full rated current to load + 0.5 A battery charging
- Electronic overload protection
- Mains transient protection
- PSU status LED's (mains present & fault)
- Steel - white powder coated inside and outside enclosure
- Tripple US gang box compatible
- Installer safe design with all high voltage electronics fully shrouded
- 3 Year warranty

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Technical specifications

Electrical

Power supply type	Enclosure + PSU
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Electrical input

Voltage (rated)	100 to 240 VAC
Frequency	50 or 60 Hz
Max. current	< 2.0 A at Full load
Mains input fuse	T3.15 A (20 mm 250 VAC HBC)

Electrical output

Voltage 12 V mode (on mains power)	12.8 to 14.2 VDC (13.8 VDC nominal) on mains power
Voltage 12 V mode (on battery standby)	9.8 to 13.0 VDC on battery
Max. load current	4 A F4.0 A (20 mm glass)
Ripple	150 mV-p max
Load output fuse	4 x F1.0 A (20 mm glass)
Overload	Electronic shutdown until overload or short circuit removed
Rating	0.1 A at 60 VDC 16 Ohm solid state relay contacts, volt-free

Battery

Type	12 VDC Valve Regulated Lead Acid
Capacity 12 V mode	BS131N or 17/18 Ah (max)
Charging fuse protection	4x F4.0 A (20 mm glass)

Physical

Physical dimensions	437 x 245 x 110 mm
Net weight	4.2 kg
Colour	White (RAL 9003)
Material	Sheet steel enclosure
Tamper	Front and rear tamper
Locked with keys	Locked with keys and with screws

Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C
Relative humidity	75% noncondensing
Environment	Indoor
IP rating	IP30
IK rating	IK08
MTBF	100.000 Hrs

Standards & Regulation

Compliance	CE, RoHS 2, WEEE
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How to order

LNL-300XA	13.8VDC 4A Switched Mode Power Supply (=LNL-300XA-PSUFOM4), with LNL-300XA-ENC enclosure (437 x 245 x 110 mm) and includes cable guide support for LNL boards, including front and pryoff tamper - CE marked (key and screw locked)
LNL-300XA-ENC	Empty Enclosure (437 x 245 x 110 mm) only, includes front and pryoff tamper (cable guide not included), key locked. Fits a LNL-200XA-PSU, LNL-200XAU-PSU, LNL-300XA-PSUFOM4, LNL-400XA-PSU
LNL-300XA-PSUFOM4	13.8 VDC 4 A PSU Module only with 4 Fused Fire Output Module with LED's (12 VDC) and individual Fire Relay functionality, (also DIN RAIL mountable) fits in LNL-400XA-ENC and LNL-300XA-ENC Enclosure - CE marked
LNL-KEYS	2x Spare keys for LNL-300XA/LNL-300UL and LNL-600XA
LNL-CONDUIT	2x 500 mm self-adhesive 20 mm conduit lengths for the LNL-300XA-ENC

