

LNL-400XA

13.8VDC 4A Switched Mode Power Supply with 4 fused outputs embedded (= LNL-400XA-PSU) with LNL-400XA-ENC enclosure (500 x 400 x 85mm) for LNL boards, including front and

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 with individual Fire Relay functionality (FOM) 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-200XAU, LNL-300XA, LNL-400XA and LNL-400XAU 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 cabling system and can provide either 12 VDC or 24 VDC whilst also offering an independent ancillary relay that can be used for applications such as a 'Fire' door release relay.

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

Ultra PoE Splitter with 12VDC Standby Battery Functionality

Save time and money with the Ultra PoE powered PSU - the unique PoE powered device that provides power for critical IP systems such as Access Control, over a single Ethernet cable. The Ultra PoE powered PSU is a unique PoE powered device that can charge from 12 VDC 7/8 Ah up to 17/18 Ah batteries whilst continuing to provide a 13.8V DC output of up to 3 A.

If the PoE power being provided to the input fails, the battery seamlessly takes over continuing to provide the 13.8 VDC voltage to the device.

Available as a DIN mountable module, and it can be used in a variety of PoE applications such as CCTV or Access control.



Details

- Enclosure (white with LenelS2 logo)
- PCB standoffs supplied for housing several Lenel controller/modules
- Front & rear enclosure tamper
- Battery Monitoring (LNL-200XA / LNL-300XA / LNL-400XA)
- Mains Fail relay output
- Volt-free fault outputs (LNL-200XA / LNL-300XA / LNL-400XA)
- Deep discharge protection (LNL-200XA / LNL-300XA / LNL-400XA)
- 90 to 264VAC range
- Electronic overload protection
- Mains transient protection
- Modular design
- 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 - 240 VAC
Voltage (operating)	90 - 264 VAC
Frequency	50 - 60 Hz
Max. current	2 A (@ 90 VAC)
Mains input fuse	T3.15 A (20 mm 250 VAC HBC)

Electrical output

Voltage 12 V mode (on mains power)	13.5 - 14.2VDC (13.8VDC nominal) on mains power
Voltage 12 V mode (on battery standby)	10.0 - 12.3VDC on battery standby
Max. load current	4A
Ripple	150 mV pk-pk max
Load output fuse	F4.0A
Overload	Electronic shutdown until overload or short circuit removed
Rating	Class 2 Rated

Battery

Type	12 VDC Valve Regulated Lead Acid
Capacity 12 V mode	BS131N or 18Ah (max)
Battery charge	0.5 A
Charging fuse protection	F4.0 A

Physical

Physical dimensions	500 x 400 x 85 mm
Net weight	5.8 kg
Shipping weight	5.9 kg
Colour	White (RAL 9003)
Material	Sheet steel enclosure
Battery capacity	BS131N or 18Ah (max)
Tamper	Front and rear tamper
Locked with keys	No, locked with screws

Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C
Relative humidity	75% noncondensing
IP rating	IP30
IK rating	IK08
MTBF	100,000 Hrs

Standards & Regulation

Compliance	CE, RoHS 2, WEEE
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As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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