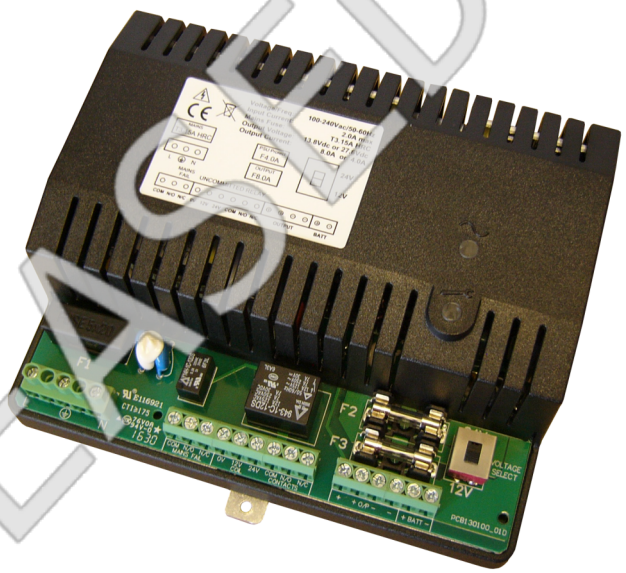
LNL-600XA-PSU

13.8 VDC, 8 A / 27.6 VDC, 4 A PSU, module only, fits in both LNL-400XA-ENC and LNL-600XA-ENC enclosures, 90 to 264 VAC, CE marked

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, LNL-400XA-P 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-200XAU/LNL-400XAU provides Ultra PoE, and the LNL-400XA-P has self-resettable fuses.
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 90 to 264 VAC input.

The 2 hinged expansion plates sets are not included in the LNL-600XA-ENC. They are included in the LNL-600XA.



Ultra PoE splitter with 12 VDC 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 13.8 VDC 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 tampers
- 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)
- Independent ancillary relay (LNL-600XA)
- Selectable 13.8 V / 27.6 VDC output (LNL-600XA)
- With cable guide support (LNL-600XA)
- 90 to 264 VAC 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

General

Locked with keys	Yes
Network monitoring	No
MTBF	100,000 h

Visual indicators

Red LED indication	Fault present, output fuse fail or protection fuse fail
Green LED indication	Mains present

Electrical

Power supply type	PSU only
Power consumption	1.5 W (no load and no battery connected)
Protected electronics	Yes

Electrical input

Voltage (rated)	100 to 240 VAC
Voltage (operating)	90 to 264 VAC
Frequency	50 to 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 to 14 VDC (13.8 VDC nominal) on mains power
Voltage 12 V mode (on battery standby)	10.5 to 12.4 VDC on battery standby
Voltage 24 V mode (on mains power)	27 to 28 VDC (27.6 VDC nominal) on mains power
Voltage 24 V mode (on battery standby)	21 to 24.7 VDC on battery standby
Ripple	100 mV p-p max.
Load output fuse	F1.0 A
Max. load current	8 A (12 V mode) / 4 A (24 V mode) (max.)
Overload	Electronic shutdown until overload or short circuit removed
Outputs	8 x F1.0A (12 V and 24 V mode) / 8 x F0.5 spare fuse kit
Rating	Class 2

Battery

Type	12 VDC valve regulated lead acid
Battery capacity	BS131N or 18Ah max.
Capacity 12 V mode	BS131N or 18Ah max.
Capacity 24 V mode	BS131N or 18Ah max.
Charging fuse protection	0.5 A self-resetting thermal fuse
Battery charge	0.5 A

Physical

Physical dimensions	157 x 143 x 55 mm
Mounting type	In cabinet

Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C
Relative humidity	75% noncondensing
BTU/hr	471
IP rating	IP30

Regulatory

Compliancy	CE, RoHS 3, UKCA, WEEE

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