

The LAN Power Supply is a dual 2A supervised power supply producing 4A nominally split evenly between system power and dedicated battery charging.

Up to three additional LAN Power Supplies can be slaved to one LAN Power Supply. Each slave can be configured differently to tailor power output to system requirements. Ganged LAN Power Supplies come into their own in installations where express charging of large back up battery banks is needed.

The LAN Power Supply connects to the Concept system LAN, communicating status of the supply and is applicable where battery backed 12V supplies are required to power other unpowered Inner Range modules, detectors, readers and auxiliary devices such as strobes, sounders, locks, etc.

Features:

- Dual 2A power supply (2A system power + 2A battery charging)
- Up to 4 units can be linked in a master / slave layout to provide 14A dedicated for charging or detector power. Slaves can be configured as:
 - Split (2A power / 2A charging)
 - Charger only
 - Power only
 - Spare
- Reports status of fault, tamper plus input and output conditions to Control Module via Concept LAN
- Contains 2 general purpose zone inputs
- Additional switched 12V output auxiliary with current monitoring for use with satellite sirens
- 12V auxiliary can be used as 12V power source for strobes, 12V lamps when current monitoring switched off

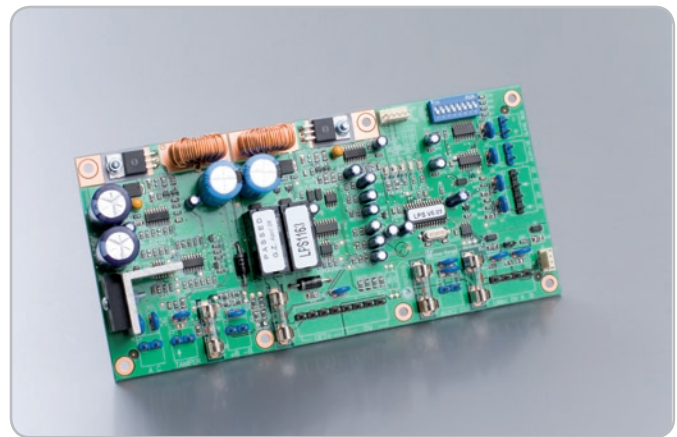
Ordering Options

995050AU

LAN Power Supply in metal enclosure

995050PCB

LAN Power Supply (PCB only)



SPECIFICATIONS

Physical

Cabinet Dimensions	325(L) x 250(W) x 112(D) (mm)
PCB Dimensions	200(L) x 95(W) x 40(D) (mm)
Installation Environment	0° – 40°C @ 15% to 85% Relative humidity (non-condensing)
Weight	8kg (including mains transformer, battery and cover)
Cabinet Battery Bracket	To suit 12V, 7AH Sealed Lead Acid Battery

Electrical

	PCB versions	Transformer Versions
Mains Input Voltage	N/A	240VAC 50Hz
Mains Input Current	N/A	500mA
Input Voltage to PCB	16-18VAC	16-18VAC

Current Consumption

	PCB versions	Transformer Versions
Total Current Limit	4A	4A
Available current for battery charging	2A*	2A*
Available Current (for detectors, auxiliaries, relays, etc).	2A*	2A*

*Slaved LAN Power Supply units can be configured to deliver 4A of battery charging current but no detector power or vice-versa.

Power Supply Output

Output Voltage	13.75VDC +/-2% up to 4A
Maximum Output Current	4A (combined current from DET+, LAN+, BAT+ and auxiliaries)
Output Ripple	100mV RMS maximum @ Iout=2A
Switching Frequency	~50kHz
Load Regulation	+/-100mV @ Iout=0.1A to 4A
Conversion Efficiency	~80%

Battery

Battery Capacity (per 2A supply)	12V 7AH Sealed Lead Acid Battery (no slaves connected)
Battery Input Fuse	5A

Output Protection

DET+ Fuse	5A
LAN+ Fuse	5A
AUX2 Fuse	5A