

Boxed Power Supply Units (1.5amp)

The Advanced 1.5A power supply unit can be used for any fire alarm system which specifies EN54-4 power supply equipment.

Suited for almost any application, the power supply unit/battery charger has been developed using the latest surface mount technology to provide a high-efficiency switch mode power supply.

The power supply units are available in fully enclosed construction providing power and fault indication or alternatively in caged versions for mounting into existing enclosures of various sizes to suit different battery capacities.

Applications

For any fire alarm system which specifies EN54-4 power supplies (e.g. BS5839 code of practice).

These power supply units can be used in any fire alarm installation requiring a 24Volt supply for operation.



In addition, a 1.5A 12Volt power supply unit is available for security and access control applications in a fire safety environment.

This can be used for communications and paging devices, and for connection to Alarm Receiving Centres.

Features

- A range of power supply equipment with power output options to suit most applications.
- 24V supply and 12V supply (1.5A only)
- High efficiency switched mode power supplies
- Compact 1.5A versions

Approvals

- EN54-4:1997 +A1:2002 +A2:2006
- EN55022 Class B emissions limits
- EN62368-1:2014 Safety standards

Specification

Input Supply	1.5A PSE: 220-240V AC, 50/60Hz, fuse T3.15H250 1.5A 12V PSE: 230-240V AC, 50/60Hz, fuse T3.15H250
Output Voltage	Max 28.5V DC, Min 19.7V DC at minimum battery voltage of 21V ¹ with mains disconnected (Model MXP-549-12V is Max 14.25V DC , Min 9.0V DC at minimum battery voltage of 10.6V with mains disconnected)
Charger Voltage	27.4V DC nominal at 20°C temperature compensated over the range -5°C to +45°C (Model MXP-549-12V is 13.7 V DC nominal at 20°C)
Output Current	1.5A 24V PSU: 1.0A continuous load, 0.5A battery charge 1.5A 12V PSU: 1.15A continuous load, 0.35A battery charge
Dimensions (H x W x D)	7Ah enclosure: 246 x 263 x 85 mm
Environment	Indoor, Dry
Fault Output	Volt-free change-over contacts rated 1A @ 30V DC (all models)
On Board Indication	Mains Fail, Charger Fail, Battery Open Circuit, Battery Low & Heartbeat

¹ The battery final discharge voltage recommended by battery manufacturer

Order Codes and Options

MXP-549:	1.5A 24V PSE in 7Ah enclosure
MXP-549-12V:	1.5A 12V PSE in 7Ah enclosure

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