

Product Data Sheet: Mxp Series Switch Mode Power Supply Units - EN54-4 Approved

Description

Features:

- A range of power supply equipment with power output options to suit most applications.
- Universal AC Input on the 3.0A and 5.0A versions.
- PSE and Charger or PSE only options on the 3.0A and 5.0A versions.
- A Serial Link option provided on the 3.0A and 5.0A versions. Allows reporting of PSE status and voltages/current measurements to compatible control panel/modules.

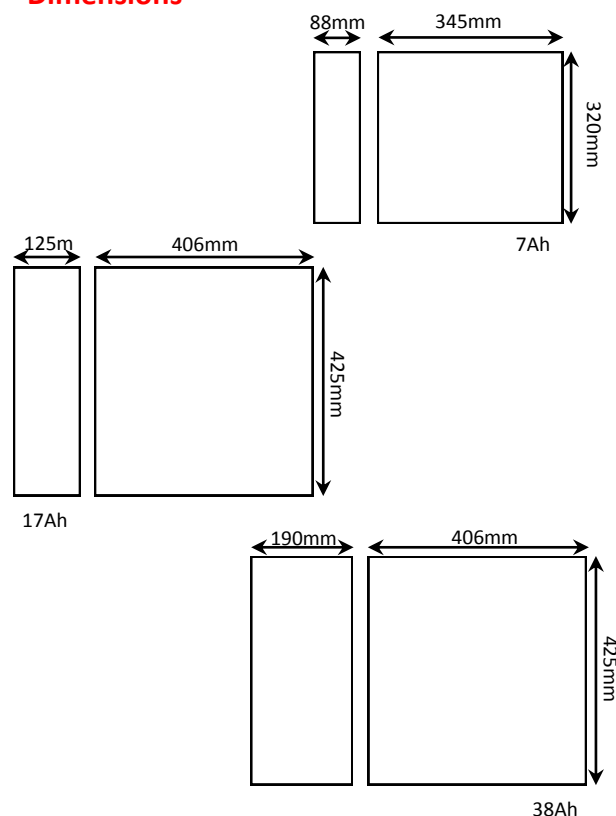
The Mxp Series of power supply units are high efficiency switched mode power supplies which can be used for all fire alarm systems that specify EN54-4 Power Supply Equipment. With compact 1.5, 3 and 5 amp versions, they are suited for most applications.

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 supplied in a fully enclosed construction providing power and fault indication via green and amber LED indicators. Caged versions are available for mounting into existing enclosures of various sizes to suit different battery capacities.

The power supplies are mounted within an IP30 steel enclosure, these can accommodate 7Ah, 18Ah up to 38Ah capacity batteries depending on enclosure size. They are supplied fitted with Green and Amber LED Indicators. All units are approved with the requirements of BS EN54-4 1998, EN55022 class emissions limits and EN60950: 2008 safety standards.



Dimensions



Technical Information

Part No.	Mxp-049	Mxp-050-001	Mxp-050-002	Mxp-051	Mxp-051/D
Input Supply:	220 - 240Vac	120 - 230Vac			
Output Voltage:	Max 28.5Vdc, Min 20.5Vdc/18.5Vdc at minimum battery voltage of 21V ¹ /19V respectively with mains disconnected. Ripple 200mV max (Note: 1V p-p including switching frequency noise).				
Charger Voltage:	27.4Vdc nominal at 20°C temperature compensated over the range -5°C to +40°C.				
Output Current:	1A continuous load, 0.5A battery charge	2A continuous load, 1.0A battery charge [3A to load if configured for PSE only ²]		3A continuous load, 2A battery charge [5A to load if configured for PSE only ²]	
Standby Battery and Internal Resistance:	3.3Ω 1.2Ah minimum to 7Ah maximum	1.6Ω 1.2Ah minimum to 18Ah maximum		0.8Ω 1.2Ah minimum to 38Ah maximum	
Operating Temperature:	-5°C to +45°C @ full load output				
Relative Humidity:	95% non-condensing (maximum)				
Fault Output:	Volt free change-over contacts rated 1A @ 30Vdc				
Weight (without batteries):	3kg	5kg	5kg	7kg	7kg
IP Rating:	30 (Enclosure)				
Deep Discharge:	Battery deep discharge protection (19volts)				
¹ The battery final discharge voltage recommended by battery manufacturer.					
² NOT EN54-4 Compliant.					