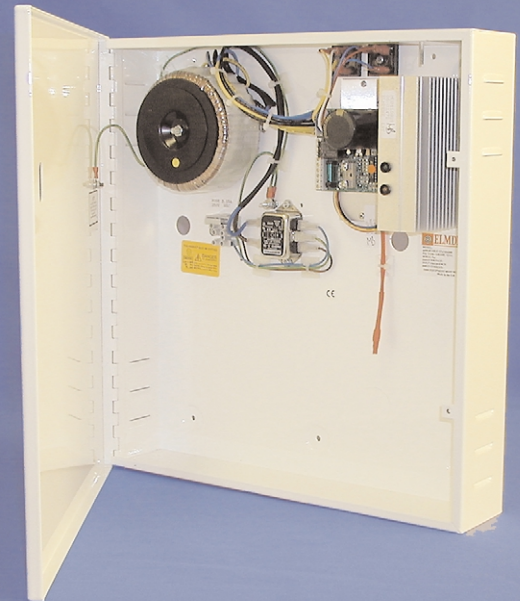


PM 705

EN 54-4 approved
24 V 5A Intelligent Power Supply

- Approved to EN54-4
- 5 A current to load at 27.6 V dc nominal regulated output
- Electronic overload protection
- Battery monitor detector :
 - Battery missing, low battery
 - Short-circuit or reverse connection
- Automatic battery switching
- Deep discharge protection
- Fault indicator LED
- Fault Relay output
- Output sense relay
- Mains indicator LED
- Temperature compensated
- Self contained box houses 17 Ah batteries

→ **The Product**

The PM 705 is a fully featured EN54-4 approved power supply ideal for use in fire system applications. Regulated 27.6 V dc output will source up to 5 A into the load as well as providing up to 1 A for charging the standby batteries. The load output features full electronic short circuit protection under both mains and standby battery operation. Maximum battery life is assured through continuous active battery monitoring with both fast bulk charging and trickle charging depending upon the battery condition.

The battery charger circuit is temperature compensated ensuring maximum battery life. Deep discharge protection prevents premature battery failure when operating from standby for extended periods.

→ **Installer friendly**

The PM 705 is supplied in a self-contained, wall mounting box that can also house 17 Ah batteries (not included). The battery charging circuit is energised only when a battery is correctly connected and the battery voltage is greater than 18 V. An automatic shutdown protects the power supply until the overload is removed.

A green and an amber LED that is visible when the box is closed indicates mains present and faults.

A set of potential-free contacts is used to signal faults due to loss of mains, output failure, battery fault or charger fault. A second set of potential-free contacts signals the presence of a healthy output voltage enabling remote monitoring of healthy standby operation (even if the remote fault output is signalling a fault e.g. due to mains loss).

PM 705

→ Technical data

Input	
Voltage	230 V ac nominal; +10%, -15%
Frequency	50 Hz
Current	1.5 A maximum for full 5 A load
Mains input fuse	T3.15A 20mm, 250 Vac HBC
Output	
Voltage	27- 28 V dc on mains power / 18 - 25 V dc on battery standby
Load Current	0 - 5A
Ripple	100 mV max over full rated mains voltage
Load regulation	5% maximum
Load output fuse	F5A 20 mm, 250 V ac glass
Overload	Electronic shutdown at 7A until overload or short circuit removed
Standby Battery	
Battery capacity	From 2 x 7Ah to 2 x 17Ah series connected
Battery fuse protection	F5A 20 mm glass
Battery charging	Constant current (1A) bulk charging to 80%, float charging to 100%
Deep discharge protection	Battery disconnect at 20 V nominal
Faulty battery detection	Battery disconnect at 19 V nominal when mains present
Battery monitoring current	1 mA maximum used for battery monitoring function
Local Indicators	
LED green	Mains present
LED amber flashing	Fault present: output fuse fail, battery fault or not present, battery charger fault, loss of mains input
Signalling Outputs	
Remote fault communication	5 A @ 30 V dc COM, N/O, N/C changeover potential free contacts.
Output fail communication	0.5 A @ 30 V dc N/O potential free contacts
Mechanical	
Case material	1.2 mm steel, white powder coated
Size	400 x 420 x 80 mm
Weight	9 kg (excluding batteries)
Temperature	-10 to +40° C (operating); 95% RH non-condensing -20 to +80° C (storage)

→ How to order

PM 705 EN54-4, 24 V, 5 A intelligent power supply

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LFPM705 03 Rev. 1 0801/UK

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