



HEPHEA 248B

Power supply 24 V certified EN54-4 CPD

- *HEPHEA 248B Power supply 24V/10A*
- *Conform to EN54-4 and EN609501 standard*
- *Certification CE according toCPD*

HEPHEA 248B is a power supply unit designed and developed to provide auxiliary power in the installations of fire detection in accordance with EU directive 89/106/EEC CPD, that the electrical and mechanical characteristics of these products must comply with EN 54 - 4: 1997 + A2: 2002 and EN60950-1: 2001.

These power supplies use the switching technology that allows:

- a significant reduction in the size and weight
- an excellent electrical efficiency
- excellent stability over time

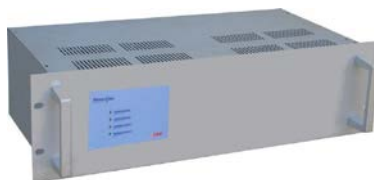
The choice of a toroidal transformer ensures maximum operator safety as voltages in the entire circuit is less than 60 V and this minimizes the risk of accidental contact with dangerous currents. The power unit consists of a metal box with an IP30 protection index, a power supply consisting of a toroidal transformer and a holder for the battery pack.

The power supply has two outputs with a serial interface card that provides 3 potential-free relay for the functional checks required by EN54-4.



Common features

- EN54-4 and CPD Certification
- 2 signaling led
- 2 electronic output for general fault and battery fault
- Available in boxes of different sizes
- Output voltage < from 20V to 28,5



ELECTRICAL SPECIFICATIONS

	HEPHEA 2410	HEPHEA 248B/3	HEPHEA 248B/R
Mains supply voltage	230V ~ (-15%, +10%) 50Hz sinusoidal		
Nominal output voltage	27,5Vdc \pm 1,5% @ 20° with batteries disconnected		
Max capacity recommended for batteries (serial connection)	2 batteries 12V/12-24Ah	2 batteries 12V/12-42Ah	2 batteries 12V/12-42Ah
Maximum current	10A	10A	10A
Max. current output available	8 or 9A	8 or 9A	8 or 9A
Current available for batteries charging	1 or 2A	1 or 2A	1 or 2A

MECHANICAL CHARACTERISTICS

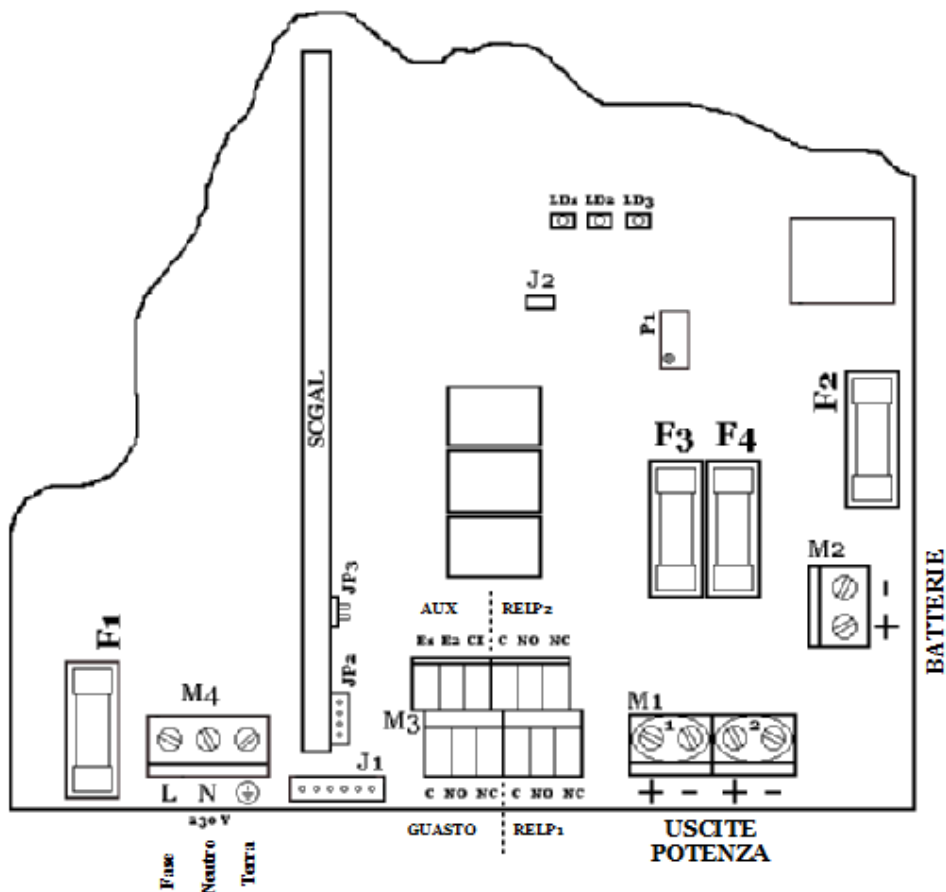
Box dimensions (HxWxD mm)	385x405x160	425x505x205	265x485x130 3U
Material	Metal varnished RAL7035	Metal varnished RAL7035	Metal





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Connections and directions

M1, 1	OUTPUT n°1 (+) 27,5V \pm 2% nominal at 20°C. Output protected by fuse F3
M1, 1	OUTPUT n°1 (-)
M1, 2	OUTPUT n°2 (+) 27,5V \pm 2% nominal at 20°C. Output protected by fuse F4
M1, 2	OUTPUT n°2 (-)
M2, +	27,5V \pm 2% (nominal à 20 °C with batteries at 100%). Output can be cut from relay RL1 in batteries fault condition: batteries voltage < 20V \pm 2%, output voltage < 20V \pm 2%. The battery connection is protected by fuse F2
M2, -	NEGATIVE BATTERIES
M3	AUXILIARY INPUT/OUTPUT (reserved)
	AUXILIARY INPUT 1 (E1 reserved)
	AUXILIARY INPUT 2 (E2 reserved)
	AUXILIARY ELECTRONIC OUTPUT (CI reserved)
	Common contact (COM)
	Normally open contact (N.O.)
	Normally closed contact (N.C.)
	Common contact (COM)
	Normally open contact (N.O.)
	Normally closed contact (N.C.)
	Common contact (COM)
	Normally open contact (N.O.)
	Normally closed contact (N.C.)
M4, L,N	MAINS INPUT 230V~ +10%/ -15% 50Hz
M4, \oplus	EARTH

REFERENCE

HEPHEA 248B
HEPHEA 248B/3
HEPHEA 248B/R

DESCRIPTION

Power supply in small box 24V-10A, EN54-4, CE -CPD
Power supply in large box 24V-10A, EN54-4, CE -CPD
Power supply in rack 24V-10A, EN54-4, CE -CPD

