

BOXED SOUNDER BOOSTERS

FEATURES

- Provide 1 to 12 additional alarm lines
- In built power supplies
- Fully monitored to meet BS5839 Part 4:1988
- Battery back up
- Compatible with most fire panels

DESCRIPTION

A range of boxed sounder boosters with internal 24Vdc power supplies. The boosters will connect to one existing conventional alarm line in many panels.

Anything from one to twelve additional alarm lines can be provided each fused at 1amp, total load subject to the power supply built into the units.

The boosters are particularly useful when additional strobes are being added to meet the requirements of the disability legislation.

Fault monitoring is provided for mains failure, charger failure and battery disconnection. Internal LEDs signal mains/charger and battery fault. Fused sounder outputs are provided as standard. Low voltage battery monitoring will disconnect the battery to protect it from over discharge. A battery reverse connection protection circuit is also provided.

The enclosure is white, sheet metal with a hinged door and key lock. It is suitable for wall mounting. Battery leads including interlink are provided with each unit. Space is also provided within the enclosure to house standby batteries.

A polarised alarm input relay is provided to allow the extra monitored sounder outputs to be energised into alarm. A fault relay with C/O contacts signals any sounder or power fault. Each monitored sounder output is individually fused together with internal fault LEDs for either open or short circuit.

SPECIFICATIONS

Mains Input	240Vac 50/60Hz (other voltages to order)
Nominal Battery input voltage	24Vdc
Power supply type	Constant voltage with current limit & thermal shutdown. Low battery disconnection circuit. Battery reverse protection circuit.
Battery charge voltage	27.5Vdc
Output voltage	28.5Vdc
Power supply output ratings	1.25 Amp & 3 Amp (other ratings to order)
Max sounder output	1 Amp each output; each fused at 1 Amp
Sounder monitoring	Reverse polarity type, fully monitored for open and short circuit with internal LEDs per circuit; End of line 5K6 1/2 watt.
Standby current	5mA per sounder output, 30mA Common functions
Fault output	1 set changeover contacts rated at 1 amp 30Vdc
Alarm input	24Vdc (polarised) @ 25mA
External indications	Healthy = Green (extinguishes on any supply/sounder fault) Fault = Yellow (illuminates on any supply/sounder fault)
Internal power fault LEDs	One LED for Mains/Charger fail (yellow) One LED for Battery disconnect (yellow)
Enclosure construction	16/18 gauge sheet steel, Epoxy powder coated semi-gloss grey-white with hinged door, blue screen printed lettering
Cable entry	Top entry with 20mm diameter knockouts
Standby battery space	Up to 12 Amp/hr (other sizes to order)

ORDER CODES

SB021.25	2 sounder lines fused at 1 amp, 1.25 amp PSU total load
SB043	4 sounder lines fused at 1 amp, 3 amp PSU total load
SB063	6 sounder lines fused at 1 amp, 3 amp PSU total load
SB083	8 sounder lines fused at 1 amp, 3 amp PSU total load
SB103	10 sounder lines fused at 1 amp, 3 amp PSU total load
SB123	12 sounder lines fused at 1 amp, 3 amp PSU total load

Larger power supplies available to special order

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