

# BOXED SOUNDER BOOSTERS



## FEATURES

- \* *Fault auxiliary contact*
- \* *Each sounder output fused*
- \* *Internal fault diagnostic LED's*
- \* *Meets EMC directive*
- \* *Meets LVD directive*
- \* *Meets requirements of BS EN 54 & BS 5839*
- \* *Indications for Healthy & Fault*

## GENERAL DESCRIPTION

A range of boxed Sounder Boosters complete with internal 24v DC power supplies suitable for charging Sealed Lead Acid Batteries . The Sounder Boosters are designed to meet BS EN 54 and BS 5839. They also meet the requirements of both the EMC and Low Voltage directives . Space is also provided to house the standby batteries .

Each Sounder Booster is housed in a sheet metal enclosure with hinged door , finished White and suitable for Wall mounting . Facia LED indications are provided for Power Supply Healthy ( green ) and Fault ( yellow ) . Battery leads including interlink are provided with each unit .

A polarised Alarm input relay is provided to allow the extra monitored sounder outputs to be energised into alarm . A fault relay with CHO contacts will signal any sounder or power fault as detailed below . Each monitored sounder output is individually fused together with internal fault LED's for either open or short circuit .

Fault monitoring is provided for main's failure , charger failure and Battery disconnection . Internal LED's are provided for mains/charger and battery fault indication . Low voltage battery monitoring will disconnect the battery to protect it from over discharge . A battery reverse connection protection circuit is also provided .

Various Sounder Outputs & power supply ratings are available so that the Sounder Booster can be matched to suit the particular requirement .

## AVAILABLE OPTIONS

- \* *Various power ratings*
- \* *Higher Sounder output ratings*
- \* *Special colours & finishes*
- \* *Flush bezel*
- \* *Addressable interface fitted & wired*

## TECHNICAL SPECIFICATION

Mains Input	——	240v AC 50/60 Hz ( other voltages to order )
Nominal Battery input voltage	——	24v DC
Power Supply type	——	Constant voltage with current limit & thermal shutdown . Low battery disconnection circuit . Battery reverse protection circuit
Battery Charge Voltage	——	27.5v DC
Output Voltage	——	28.5v DC
Power Supply output ratings	——	1.25 Amp & 3 Amp ( other ratings to order )
Maximum 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 LED's per circuit ; End of line 5K6 1/2 watt
Standby current	——	5 mA per sounder output , 30 ma Common functions
Fault output	——	1 set CHO contacts rated at 1 amp 50 v DC
Alarm input	——	24v DC ( polarised ) @ 25 mA
External Indications	——	Healthy - green ( extinguishes on any Supply/Sounder fault ) Fault - yellow ( illuminates on any Supply/Sounder fault )
Internal Power Fault LED's	——	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 and Blue screen printed lettering
Cable entry	——	Top entry with 20 mm Diameter knockouts
Standby battery space	——	Up to 12 Amp/hr ( other sizes to order )

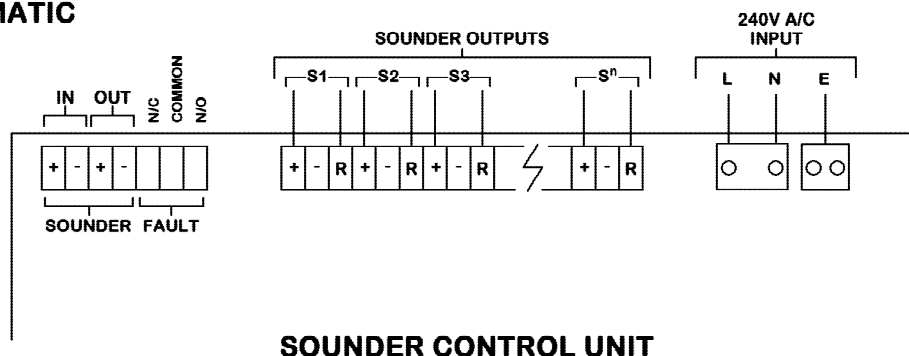
### SOUNDER / POWER RATING/ ENCLOSURE DETAILS

ORDER CODE	SOUNDER O / P 'S	POWER RATING	ENCLOSURE SIZE	WEIGHT
SB / 2 / 1.25	2	1.25 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	6.0 Kg
SB / 4 / 1.25	4	1.25 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	6.0 Kg
SB / 6 / 1.25	6	1.25 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	6.0 Kg
SB / 4 / 3	4	3 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	7.0 Kg
SB / 6 / 3	6	3 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	7.0 Kg
SB / 8 / 3	8	3 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	8.0 Kg
SB / 10 / 3	10	3 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	8.0 Kg
SB / 12 / 3	12	3 Amp	405 mm ( W ) x 300 mm ( H ) x 125 mm ( D )	8.0 Kg

### ORDER CODE DETAILS

**SB / Sounder Outputs / Power Rating - ( ie SB / 4 / 3 - 4 Sounder Outputs with 3 Amp power supply )**

### TYPICAL WIRING SCHEMATIC



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