INSTALLATION INSTRUCTIONS FOR DBS1224FW
ELECTRONIC SOUNDER

GENERAL DESCRIPTION

The DBS1224FW sounder is a low profile high output electronic sounder with 16 tone combinations. The DBS can be used under any smoke detector with 60mm fixing centres and an external diameter of up to 120mm. The sounder's first and second stage sounds are achieved by polarising three - wires, sixteen different tone combinations are selectable via integral DIP switches from fourteen first stage sounds. Sound output and current vary with the sound selected. See Fig 4 & 5 for details of switch settings.
'In' and 'Out' terminals are provided for each contact to allow multiple sounders to be wired without the need to put two wires in one screw terminal.

Part No.	Description
DBS1224FW	Detector base sounder - no lid

SPECIFICATIONS	12Vdc	24Vdc	Comments
Voltage Range	10 - 14	21- 27	
Sound Output	87dB(A)	93dB(A)	at 1m at 800Hz at 12V and 24V respectively
Temperature Range	See comments	See comments	-25°C to +55°C (93%RH at 55°C)
IP rating	See comments	See comments	IP21C
Current	12mA	25mA at 24V	
Tones	See Fig 5	See Fig 5	See Fig 5
Maximum wire size	See comments	See comments	2.5 mm^2

Sounder output data in accordance with EN54-3 is avaialble on request ref:D 531

WIRING DIAGRAM

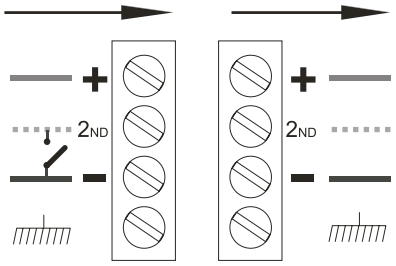

Fig 1

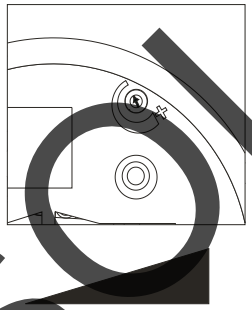

Fig 2

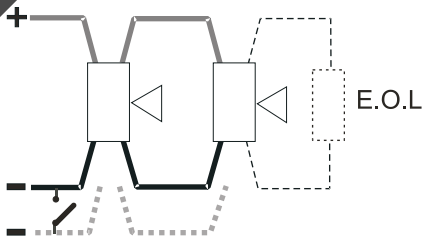

Fig 3

TONE SELECTION

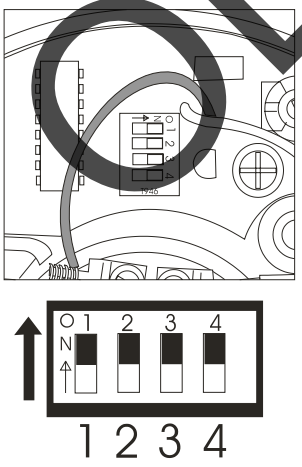

Fig 4

1	2	3	4	① Hz	①	① Hz	① S	② Hz	②	② Hz	② S
■		■	■	500		1200	015	1200		500	0.10
■	■	■	■	2400		2400	—	800		1000	0.05
■	■		■	1200		0	0.02	1200		500	0.10
■	■	■		1200		500	0.10	1200		500	0.10
■	■		■	800		800	—	800		1000	0.05
■	■			500		1200	0.50	800		1000	0.05
■	■	■		800		1000	0.05	800		1000	0.05
■	■			2400		0	0.05	1200		500	0.10
■	■	■	■	500		1200	0.12	1200		500	1.00
■	■	■	■	2400		2400	—	800		1000	0.50
■	■		■	1200		0	0.50	1200		500	1.00
■	■	■		1200		500	1.00	1200		500	1.00
■	■	■	■	800		800	—	800		1000	0.50
■	■	■		500		1200	4.0	800		1000	0.50
■	■	■	■	800		1000	0.50	800		1000	0.50
■	■		■	2400		0	0.50	1200		500	1.00

Fig 5