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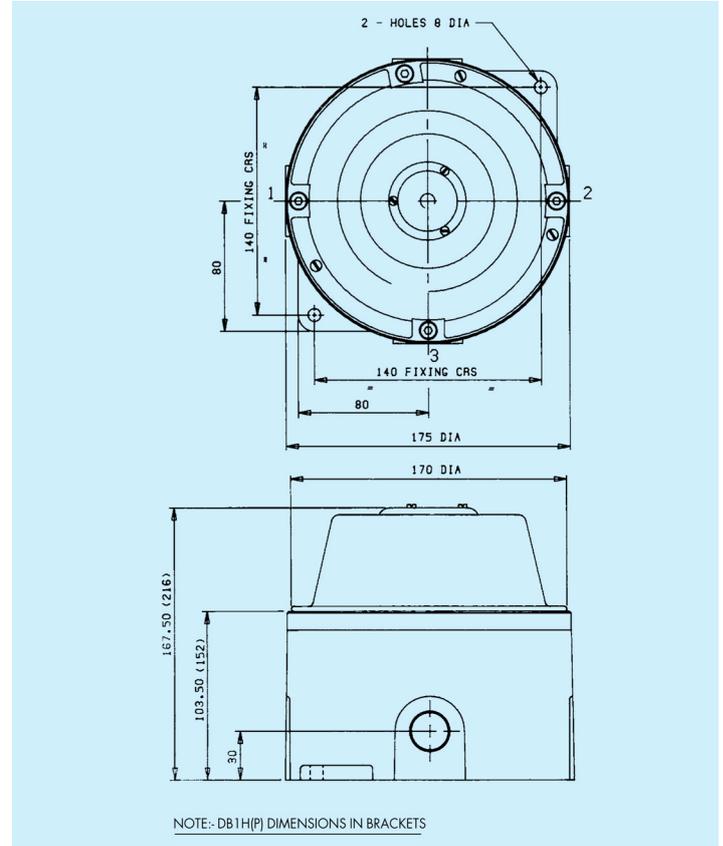
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SOUNDERS – Up to 113 dB(A) EExd, Weatherproof DB1 Range

This range of light weight, flameproof Sounders has been designed with a high weatherproof rating to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.

New electronic circuitry allows the DB1P and DB1HP to be switched between two selectable tones by either reversing the supply polarity, or connecting a second voltage supply. The higher output DB1H and DB1HP are particularly suitable for noisy environments.

- Zone 1 and Zone 2 use.
- EExd, IIB T5/T6*.
- ATEX approved, Ex II 2G.
- CENELEC approved, BASEEFA certified.
- UL Listed – Class I, Div 1. Groups C & D.
- GOST 'R' certified.
- IECEx certified, Gb
- Brazilian (Inmetro) certified.
- IP66.
- Certified temperature -20°C to $+70^{\circ}\text{C}$.
- Up to 113 dBA output.
- Available in marine grade alloy or stainless steel.
- 6 or 27 output tones, user selectable.
- Telephone initiate option.
- Tones can be selected remotely.
- Tones comply with UKOOA/PFEER guidelines.
- Any two tones may be switched via the external voltage supply.
- End of line resistor option.



Specification

Certification:	EN50014, 18. Certificate Nos: Certified to IEC60079-0, IEC60070-1 Certified to EN60079-0, EN60079-1 DB1P - ATEX Baseefa02ATEX0207X Ex II 2 G Ex d IIB T6 Gb. DB1HP - ATEX Baseefa02ATEX0209X Ex II 2 G Ex d IIB T5 Gb. Zones 1 & 2. DB1P - IECEx BAS 10.0065X Exd IIB T6 Gb. DB1HP - IECEx BAS 10.0064X Exd IIB T5 Gb. UL Listing: Class I, Div 1, Groups C & D. Listing No. E187688. Refer to UL data sheet at rear of catalogue for complete information. GOST 'R' Certification: 1Exd IIB T4 (DB1 & DB1P only). Brazilian (Inmetro) Certification: BR-Ex d IIB T3
Material:	LM25 corrosion resistant alloy or ANC4B stainless steel with stainless steel cover screws. ABS flare.
Finish:	Epoxy paint finish as standard or to customer's specification.

Max Sound Levels:	DB1(P)=103±3dB(A) (96±3dB(A) for 12V DB1). DB1H(P)=110 ± 3dB(A) @ 1 metre. Note: Sound level is dependent upon the tone selection.		
Weight:	DB1(P) 3.5 Kg Alloy, 8.3 Kg stainless. DB1H(P) 5.6 Kg Alloy, 12.7 Kg stainless.		
Certified Temperature:	ATEX/CENELEC –20°C to +55°C (DB1 & DB1P). ATEX/CENELEC –20°C to +70°C (DB1H & DB1HP). UL –25°C to +70°C.		
Ingress Protection:	IP66.		
Tone Selection:	Single Stage Unit ac. 27 user selectable tones including, PFEER/UKOOA tones. Two Stage Unit dc. Switchable between any two of the 27 tones by either: (i) Reversing the polarity of the supply, or (ii) by a 3 wire common +ve system, switching between the two –ve lines. Note: Reverse monitoring is achievable on Two Stage Version by selection of terminals.		
Current Consumption:		DB1(P)	DB1H(P)
	12V	125mA	900mA
	24V	250mA	700mA
	48V	250mA	–
	120V	60mA	200mA
	240V	50mA	100mA
Labels:	Duty and tag labels optional.		
Entries:	Up to 3 x M25 or M20 ISO.		
Terminals:	Suitable to accept up to 4mm ² cable. Note: Reverse monitoring is achieved on Two Stage Version by selection of terminals		

Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

(A) Unit Type:	DB1P	
	DB1HP	
(B) Certification:	Certification	Code
	ATEX/CENELEC	B
	IECEX	J
	Inmetro	DM
	UL	UL
	GOST 'R'	G
	UL -Available Alloy only. -12V d.c., 24V d.c., 48V d.c. 110V a.c. only. Inmetro DM	

(C) Material:	Material	Code
	Alloy	A
	Stainless Steel	S
(D) Voltage:	Voltage	Code
	12V d.c.	012
	24V d.c.	024
	48V d.c.	048
	110V a.c.	110
	240V a.c.	240
(E) Cable Entries:	Entries	Code
	M20	A
	M25	B
	1/2" NPT (UL Only)	C
	3/4" NPT (UL Only)	D
	LHS*	1
	RHS*	2
	Bottom*	3
*Prefix position with entry size code e.g. A1A3 = 20mm left and bottom entries.		
(F) Duty Labels:	Duty Labels	Code
	None	N
	Required	D*
	(Please specify)	
(G) Tag Label:	Tag	Label
	None	N
	Required	T*
(H) Features:	Features	Code
	Not required	N
	Telephone Initiate	T
	Relay Initiate	R
	Remote	S
	End of line resistor	E*
	(*State value.)	
(I) Finish:	Finish	Code
	Red	R
	Grey	G
	Special	S*

ORDER CODE:

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)