Explosion Proof Sounder > GRP
SD150 Series

Product overview

The SD150 electronic sounder range has been approved for use in potentially explosive atmospheres and very harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, **Petrochemical, Refineries & Marine** locations etc.

The unit incorporates a three stage alarm option with sixty three tones to choose from which includes four tones that can be recorded or customised by the installer. All tones can be pre-set during installation.

The units also have the ability to be **fitted with a telephone initiation function** and can be used as the second ring output indicator for telephones when installed in very noisy environments.

The design allows for termination inside the enclosure.

The sounder is supplied with a **mounting bracket as standard.**

Features/Certifications

- Approved by ATEX and CQST • IMETRO and IECEX (Pending)
- ATEX: II 2G **Exd IIC T4 - T6** (incorporating IIA & IIB)
- Zones 1&2, Zones 21&22 (Pending)
- Conforms to EN (IEC) 60079-0 EN (IEC) 60079-1 and EN54
- Volume control
- Dustproof & Weatherproof

SD150 Series > Ordering Information

Follow the chart (right) to generate your part code.

	Voltage	Duty Label	Tag Label	Cable Entry	Finish Colour	Telephone Initiated
Standard Product Selection	SD150 +					
	DC 12 - 48v	Y = Yes	Y = Yes	A = M20	RD = Red	Y = Yes
	AC1 12 - 48v			B = M25	YW = Yellow	
				C = 1/2 NPT	BU = Blue	
	AC2 100 - 240v		N = No	D = 3/4 NPT	BL = Black	N = No
				O = Other	OR = Other	

MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required sounder).

SD150		Y				
	Voltage	Duty Label	Tag Label	Cable Entry	Finish Colour	Telephone Initiated

Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.
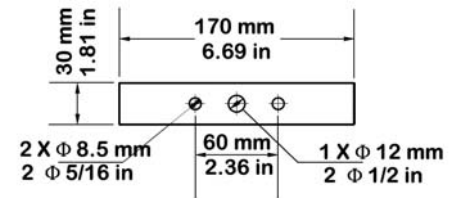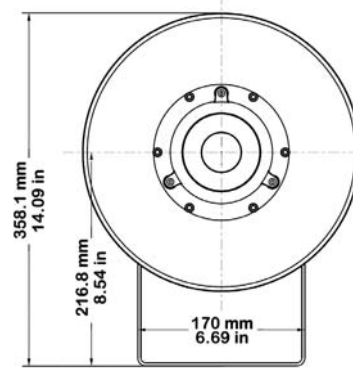
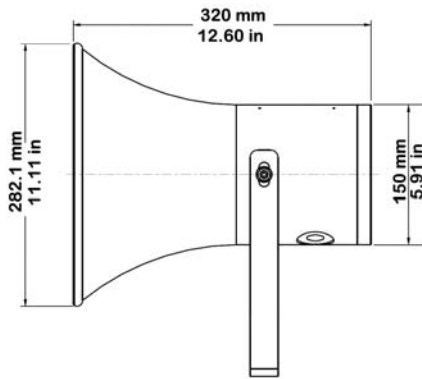| Kg 5.4	°C -40+70	IP 66/67	dB 115	⚓ MARINE	🏭 INDUSTRIAL

GRP

APPROVALS and CONFORMITIES

Explosion Proof Sounder > GRP
SD150 Series

General Information

EX CODE:	Exd IIC T4 - T6
CERTIFICATION:	ATEX, CQST
TYPE:	Electronic Sounder
SOUNDER:	3 Stage alarm with 63 Selectable tones
POWER RATING:	5-20 Watts Adjustable
SOUND OUTPUT:	Up to 115 dB at 1 metre
AMBIENT TEMPERATURE:	-40 to +70
HUMIDITY:	≤ 95% RH

Mechanical Specifications

MATERIAL:	Enclosure: GRP (Glass Reinforced Plastic) & Bracket: Stainless Steel 316
ENCLOSURE COLOUR:	Red (RAL3001), Yellow (RAL1003) Blue (RAL5005), Black (RAL9004)
WEIGHT:	5.4 Kg / 11.9 lb
DIMENSIONS:	Length: 320mm / 12.7" See outline drawing for other dimensions
INGRESS PROTECTION:	IP 66 & 67

Electrical Specifications

POWER SUPPLY:	12-48v Dc, 12-48v Ac or 100-240v Ac
TERMINATION:	Accepts upto ≤ 2.5mm^2 incorporating rising clamp protectors
CABLE ENTRY:	4 x M20, M25, 1/2"NPT, 3/4"NPT or Other (Specify)
CURRENT CONSUMPTION:	Sounder 250 mA - 1500 mA (Adjustable by tone selection)

Spareparts & Accessories

Sounder Driver	05/50050140620
Sounder PCB (DC)	05/50053530501
Sounder PCB (AC)	05/50053530502
M20 Stainless Steel Exd Blind Plug	05/50100110920
M25 Stainless Steel Exd Blind Plug	05/55100110925
1/2" NPT Stainless Steel Exd Blind Plug	05/55100110821
3/4" NPT Stainless Steel Exd Blind Plug	05/55100110843
M20 Stainless Steel Exd Cable Gland	05/CG SM020X
M25 Stainless Steel Exd Cable Gland	05/CG SM025X
1/2" NPT Stainless Steel Exd Cable Gland	05/CG SN012X
3/4" NPT Stainless Steel Exd Cable Gland	05/CG SN034X

SD150 Series > Working Current

12v Dc	24v Dc	48v Dc	110v Ac	220v Ac
910 mA (Max 10W)	960 mA	500 mA	210 mA	100 mA