Crouse-Hinds
by **E:T·N**

Intrinsically Safe (Exia)

Features

- Zone 0, Zone 1 and Zone 2 use.
- Ex ia IIC T4.
- ATEX approved Ex II 1G & Ex 1 M1.
- BASEEFA certified.
- IECEx certified, Ga.
- FM Approved – Class I, Div. 1, Groups A-D.
- CSA certified.
- Brazilian (Inmetro) certified.
- IP65.
- Certified temperature: –20ºC to +55ºC.
- Volume control as standard.
- Up to 103 dB(A).
- 26 different sound outputs, user selectable by internal switches.
- Encapsulated electronics.
- Second tone selectable using third wire.

Introduction

This range of lightweight, intrinsically safe Sounders have 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.
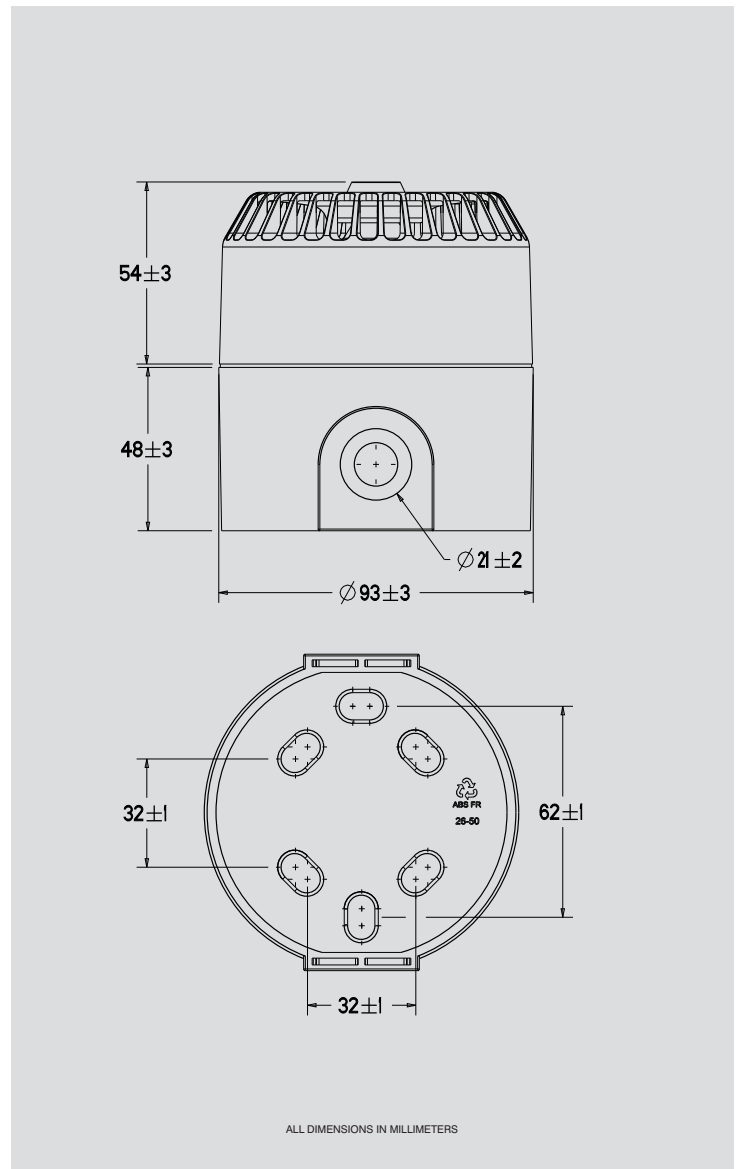
The unit is available in 2 models: 12V and 24V.

⟨Ex⟩ ATEX *IECEx* INMETRO CSA FM APPROVED

Certification and Specification

Certification:	Certified to IEC60079-0, IEC60079-11, IEC60079-26.
	Certified to EN60079-0, EN60079-11, EN60079-26.
	ATEX Cert. No. BAS00ATEX1259X.
	Ex II 1 G Ex ia IIC T4 Ga.
	System Cert. No. (BAS no.) Ex 01E2024.
	HSE(M) to EN50014, EN50020 and EN50303.
	Exia 1 Cert. No. MECS01ATEX4260 (unit) and
	94Y7095 (system).
	IECEx BAS 08.0043x Exia IIC T4 Ga.
	FM Approved to Class 1, Div 1 groups A, B, C and
	D. J.I. 3008604.
	Refer to FM Data sheet at rear of catalogue for complete
	information.
	CSA to C22.2 Nos. 0, 0.4, 0.5, 25, 30, 205.
	Class 1 groups A, B, C and D.
	Cert. No. 79122.
	Brazilian (Inmetro) certified Ex ia IIC T4 Ga.
	American Bureau of Shipping Type Approval.
Material:	A.B.S. (Acrylonitrile Butadiene Styrene).
Finish:	Available in Red as standard.
Sound Output:	$100 \pm 3dB(A)$ for 12V and 24V versions.
	Typical max value only – variable with tone.
	Tones comply with BS 5839 Part 1.
Current Consumption:	24V model – 14 mA max. nominal.
	12V model – 12 mA max. nominal.
Certified Temp:	-20^oC to $+55^oC$.
Weight:	0.3kg.
Entries:	2 x M20 side entries.
Terminals:	6 off suitable to accept up to $2.5mm^2$ cable, for looping.

ALL DIMENSIONS IN MILLIMETERS

Ordering Requirements

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

Model

DB5

Certification

Certification	Code
BASEEFA GP 1	M*
BASEEFA GP 2	B
IECEx	J
FM	FM
CSA	C
Inmetro	IM

* 12V only.

Voltage

Voltage	Code
12V	012
24V	024

Tag Label

Tag Label	Code
None	N
Yes	Y*

*Please specify.

Finish

Finish	Code
Red	R
Special	S*

*Please specify.

All specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice.
No liability is accepted for any consequence of use.