COOPER

Intrinsically Safe (Exia), Weatherproof

Features

- Zones 0, 1, 2 and safe area use.
- Exia IIB/IIC T4.
- ATEX approved Ex II 1G.
- Weatherproof uncertified version.
- BASEEFA certified.
- GOST 'R' certified.
- IP66 & IP67.
- Certified temperature: −55°C to +70°C.
- Corrosion resistant red painted GRP.
- Up to 110 dB(A) output.
- 27 tones, user selectable.
- Tones comply with UKOOA/PFEER guidelines.
- Any two tones may be switched by the external voltage supply.
- Retained stainless steel cover screws.

Introduction

This range of ruggedised, intrinsically safe and weatherproof sounders, intended for use in potentially explosive atmospheres, has been designed with high ingress protection to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.

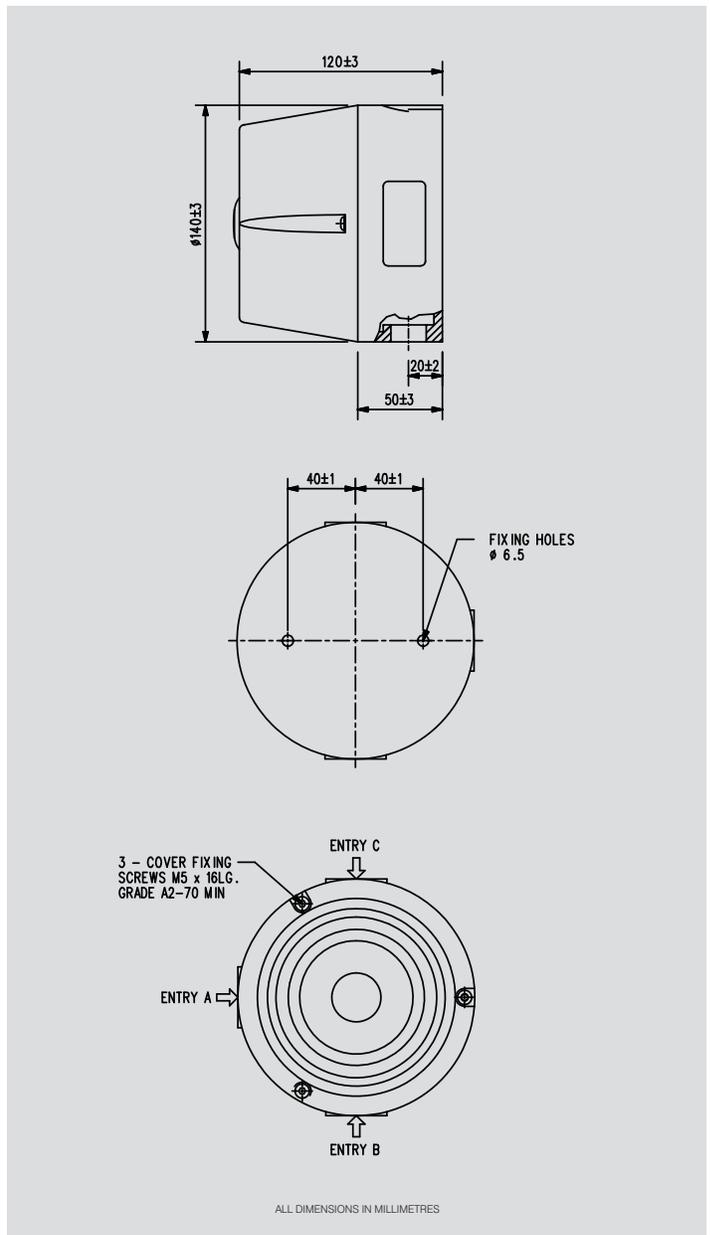The unit is available in 12V and 24V versions and for gas groups IIB or IIC.

A lower cost, uncertified version is available for use in non-explosive atmospheres.

Authorized Distributor:
GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com
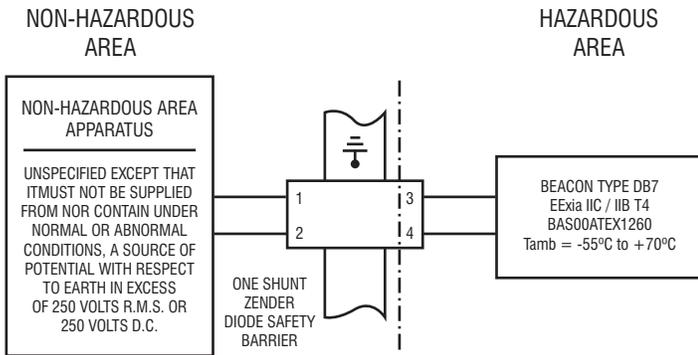
〈Ex〉 ATEX PG

MEDC

Specification

Certification:	CENELEC EN 50014, 20 & 39. Certificate No. BAS00ATEX 1260 (apparatus). Certificate No. 96D2362 (system). Exia IIC T4 or Exia IIB T4. Zones 0, 1 & 2. GOST 'R' Certification: 0Exia IIC T4, 0Exia IIB T4.
Material:	UV stable glass reinforced polyester. Retained stainless steel cover screws.
Finish:	Painted red as standard or to customer specification.
Voltage:	12V or 24V via suitable barrier.
Current Consumption:	24V models 34mA – 68mA. 12V models 25mA – 55mA.
Sound Output:	107 $\pm$ 3dB(A) at 1 metre for 12V and 24V IIB versions. 103 $\pm$ 3dB(A) at 1 metre for 12V and 24V IIC versions. Typical value only – variable with tone.
Tone Selection:	Switchable between any two of the 27 tones by reversing the polarity of the supply.
Certified Temp:	−55°C to +70°C.
Weight:	1.0 kg.
Ingress Protection:	IP66 & IP67.
Entries:	Up to 3 x M20 via knockouts.
Terminals:	8 x 2.5mm^2 .
Labels:	Duty and tag labels available.

INSTALLATION DRAWING

NON-HAZARDOUS AREA

NON-HAZARDOUS AREA APPARATUS

UNSPECIFIED EXCEPT THAT IT MUST NOT BE SUPPLIED FROM NOR CONTAIN UNDER NORMAL OR ABNORMAL CONDITIONS, A SOURCE OF POTENTIAL WITH RESPECT TO EARTH IN EXCESS OF 250 VOLTS R.M.S. OR 250 VOLTS D.C.

ONE SHUNT ZENDER DIODE SAFETY BARRIER

HAZARDOUS AREA

BEACON TYPE DB7 EExia IIC / IIB T4 BAS00ATEX1260 Tamb = -55ºC to +70ºC

REFER TO TECHNICAL MANUAL FOR SUITABLE BARRIERS

NOTE: REFER TO UNIT INSTRUCTION SHEET FOR FULL INSTALLATION DRAWING

120±3

Ø140±3

20±2

50±3

40±1   40±1

FIXING HOLES Ø 6.5

3 – COVER FIXING SCREWS M5 x 16LG. GRADE A2–70 MIN

ENTRY C

ENTRY A

ENTRY B

ALL DIMENSIONS IN MILLIMETRES

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. *Standard products available for immediate shipping - contact sales office for details.*

Model

DB7P

Certification

Certification	Code
Uncertified	W
ATEX/CENELEC IIB	BB
ATEX/CENELEC IIC	BC
GOST 'R' IIB	GB
GOST 'R' IIC	GC

Voltage

Voltage	Code
12V	012
24V	024

Labels

Label	Code
Duty	D*
Tag	T*
None	N

* Please specify wording.

Finish

Colour	Code
Painted Red	R
Special	S*

*Please specify.

MEDC