COOPER

Intrinsically Safe (Exia), Weatherproof

Features

- Zones 0, 1, 2 & safe area use.
- Exia IIB/IIC T4.
- ATEX approved, Ex II 1G.
- BASEEFA certified.
- IECEx certified Ga.
- GOST 'R' certified.
- IP66 & IP67.
- Certified temperature: −55°C to +60°C.
- Corrosion resistant GRP body.
- High intensity flash.
- Clear polycarbonate lens.
- Retained stainless steel cover screws.
- Encapsulated electronics.

Introduction

This range of ruggedised, intrinsically safe and weatherproof beacons, intended for use in potentially explosive atmospheres, have 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.
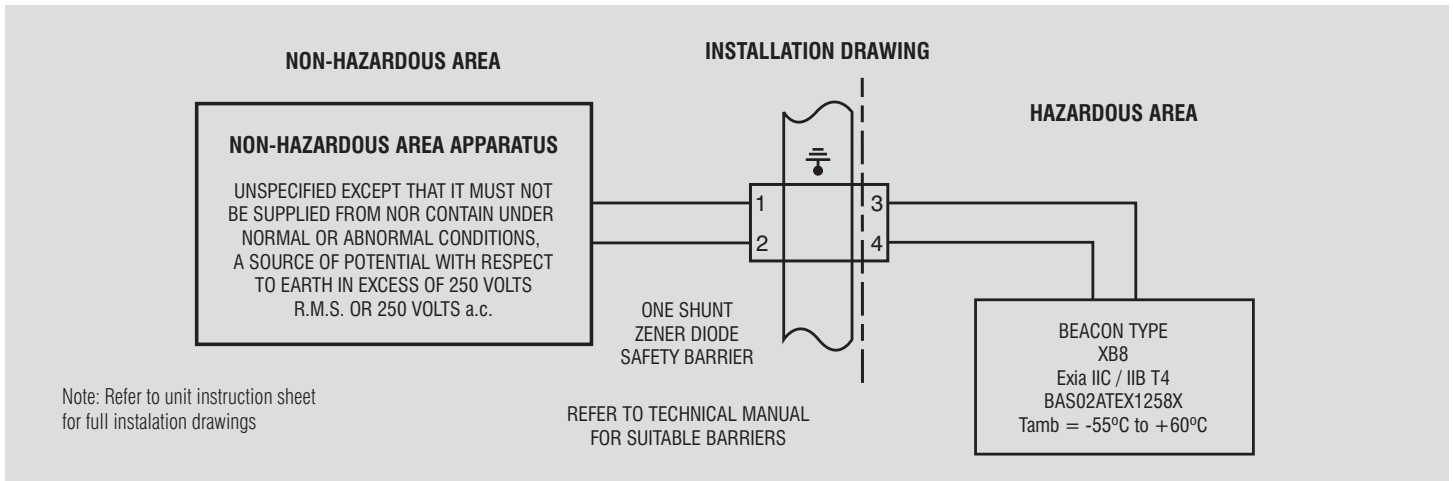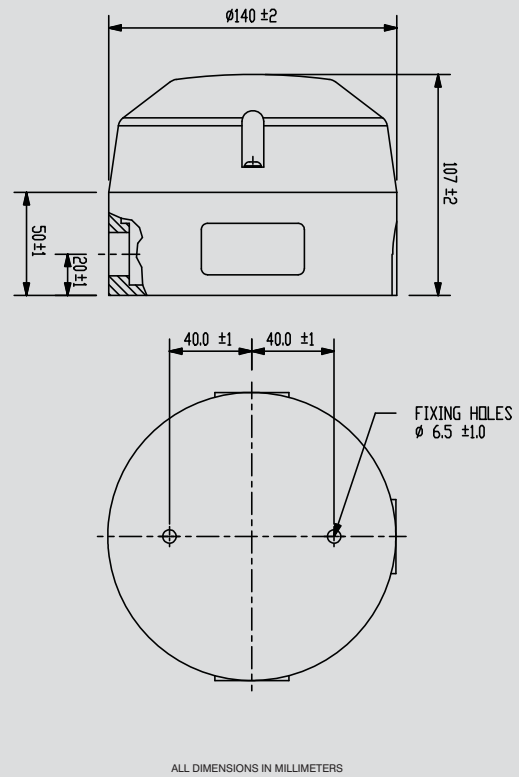
A lower cost, uncertified version is available

Authorized Distributor:
GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com

⟨Ex⟩ **ATEX** **IECEx** **GOST**

MEDC

Specification

Certification: Certified to IEC60079-0, IEC60079-11
                      Certified to EN60079-0, EN60079-11
                      ATEX Cert. No. BAS02ATEX1258X
                      Ex II 1 G Ex ia IIB/IIC T4 Ga
                      IECEx Cert. No. IECEx BAS 10.0111X
                      Ex ia IIB/IIC T4 Ga.
                      Zones 0, 1 & 2.
                      GOST 'R' Certification: 0Exia IIB T4 & 0Exia IIC T4,
                                  Cert. No. A-0757.
                      American Bureau of Shipping Type Approval

Material: UV stable glass reinforced polyester body.
                      Clear polycarbonate cover/lens.
                      Retained stainless steel cover screws.

Finish: Painted red as standard or to customer specification.

Tube Energy: IIB version 0.5 Joules.
                      IIC version 0.4 Joules.

Weight: 1.4 kg.

Certified Temp: −55°C to +60°C.

Ingress Protection: IP66 & IP67.

Tube Life: >1 x 10^6 flashes.

Voltage: 12V or 24V via suitable barrier.

Current Consumption: 24V IIB model – 71mA max. nominal.
                          24V IIC model – 55mA max. nominal.
                          12V IIB & IIC models – 52mA max. nominal.

Tube Type: Xenon discharge.

Lens Colour: Clear as standard. Coloured options available.

Terminals: 8 x 2.5mm^2.

Flash Rate: 1 flash per second.

Labels: Duty and tag labels optional.

Cable Entries: Up to 3 x M20 via knockouts.

ø140 ±2

107 ±2

50±1

20±1

40.0 ±1   40.0 ±1

FIXING HOLES
Ø 6.5 ±1.0

ALL DIMENSIONS IN MILLIMETERS

INSTALLATION DRAWING

NON-HAZARDOUS AREA

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 a.c.

1   3
2   4

ONE SHUNT
ZENER DIODE
SAFETY BARRIER

BEACON TYPE
XB8
Exia IIC / IIB T4
BAS02ATEX1258X
Tamb = -55ºC to +60ºC

Note: Refer to unit instruction sheet
for full instalation drawings

REFER TO TECHNICAL MANUAL
FOR SUITABLE BARRIERS

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	Certification		Voltage		Lens Colour		Guard		Finish	
XB8										

Certification	Code
ATEX IIB	BB
ATEX IIC	BC
IECEx IIB	JB
IECEx IIC	JC
GOST 'R' IIB	GB
GOST 'R' IIC	GC

Voltage	Code
12V	012
24V	024

Lens Colour	Code
Clear (Standard)	C
Special	S*

*Please specify

Guard	Code
Duty	D*
Tag	T*
None	N

*Please specify wording

Finish	Code
Painted Red	R
Special	S*

*Please specify

MEDC