XB11 Range - 5 JOULE XENON BEACONS



Exd, Weatherproof



Introduction

These certified beacons have been designed for use in potentially explosive gas and dust atmospheres and harsh environmental conditions. The glass reinforced polyester enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance is required.

The beacon housing is manufactured completely from a U.V. stable, glass reinforced polyester. Stainless steel screws and mounting bracket are incorporated ensuring a totally corrosion free product.

Units can be painted to customer specification and supplied with identification labels.

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

Features

- Zone 1 and Zone 2 use.
- Exd IIB T4, T5 & T6.
- ATEX approved, Ex II 2GD.
- BASEEFA certified.
- UL Listed for USA and Canada
 - Hazardous locations:

Class I, Div 2, Groups C & D.

Class I, Zones 1 & 2, AExd IIB T4/T5.

- Ordinary locations: Visual-Signal Device.
- IECEx certified Gb. Db.
- GOST 'R' & 'K' certified.
- Chinese (CQST) certified.
- Brazilian (Inmetro) certified.
- IP66 and IP67.
- Certified temperature: -55°C to +70°C.
- Corrosion resistant GRP.
- Optional stainless steel backstrap.
- Various lens colours.
- Optional lens guard.
- Optional telephone initiation.
- 2 x M20 cable entries or 2 x ¹/2" NPT*.
- Earth continuity option*.
- Filament version (20W) available†.
- Fluorescent version (10W) available†.
- Beacon/Sounder Combination Unit available.

*Model dependent.

†See FL11, FB11, FL12, FB12 datasheet.





Specification

Certification: Certified to IEC60079-0, IEC60079-1, IEC60079-31

Certified to EN60079-0, EN60079-1, EN60079-31

ATEX Cert. No. BAS99ATEX2195

Ex II 2 G Ex d IIB T4/T5/T6 Gb, Ex tb IIIC T75°C/T90°C/T105°C Db

IECEx Cert. No. IECEx BAS 10.0101

Ex d IIB T4/T5/T6 Gb, Ex tb IIIC 75°C/90°C/105°C Gb

UL Listed for USA and Canada to:

Hazardous locations: Class I, Div 2 Groups C & D.

Class I, Zones 1 & 2 AExd IIB T4/T5.

UL Listing No: E187894.

Ordinary locations: Visual-Signal Device.

UL listing No. S8128.

Refer to UL Datasheet at rear of catalogue for complete information.

GOST 'R' Certification: 1Exd IIB T4/T5/T6.
GOST 'K' Certification: Exd IIB T4/T5/T6.
Chinese (CSQT) Certification: Exd IIB T5/T6.

Brazilian (Inmetro) Certification: ERR Ex d IIB T4/T6

Brazilian (Inmetro) Certification: BR-Ex d IIB T4/T5/T6.

Material: Body: Glass reinforced polyester.

Lens: Glass

Cover Screws + Backstrap: Stainless steel 316.

Natural black or painted to customer specification.

Weight: 2.5Kg

Finish:

Certified Temp: Exd -55°C to $+70^{\circ}\text{C}$ (T4).

 -55° C to $+55^{\circ}$ C (T5) -55°C to $+40^{\circ}$ C (T6)

 -55° C to $+70^{\circ}$ C (hazardous locations).

-55°C to +55°C (ordinary locations).

Ingress Protection: IP66 & IP67.

Fire Retardancy: GRP is fire retardant to ISO 1210.

Earth Continuity: Optional for metal glands provided via a brass plate.

(Not available for UL version).

Terminals: 6 x 2.5mm².

Telephone initiation: Initiation by telephone ringing tone.

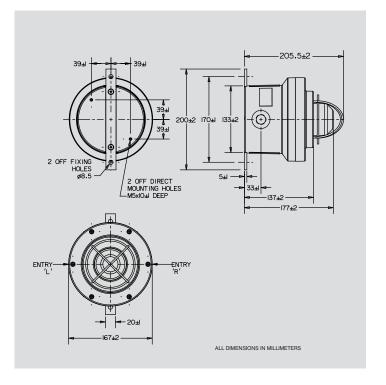
Labels: Duty/Tag Label optional.

Entries: 2 x M20 ISO Exd. 2 x ¹/2" NPT UL.

Note: ATEX/UL Dual Listed unit has up to 2 x 1/2" NPT entries only.

Beacon/Sounder Unit: The beacon may be combined with an Cooper MEDC sounder to create a visual/audible alarm. Contact Cooper MEDC for price and

specification.



Electrical Ratings:

	d.c. 24	a.c. 50/60Hz	
Voltage		110	240
XB11 Tube Energy (Joules)	5	5	5
Peak Current Consumption (mA)	320	100	60
Effective Intensity (Cd)	29	29	29
Peak Intensity (Cd)	22213	22213	22213
Power Consumption (Watts)	8	11	18

NOTE: The Cd figures are for a clear lens @ 1Hz flash rate.

Multiplying Factor for Colored Lenses:

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

The photometric data has been verified by BSI. A report is available if required.

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. *For standard products, available ex-stock, contact sales office for details.*

