XB4 Range - 21 JOULE XENON BEACONS

Exd(e), Weatherproof

Introduction

These high output (21 Joule) beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The marine grade alloy or stainless steel enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance and strength is required.

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

Available with optional Exe terminal chamber.

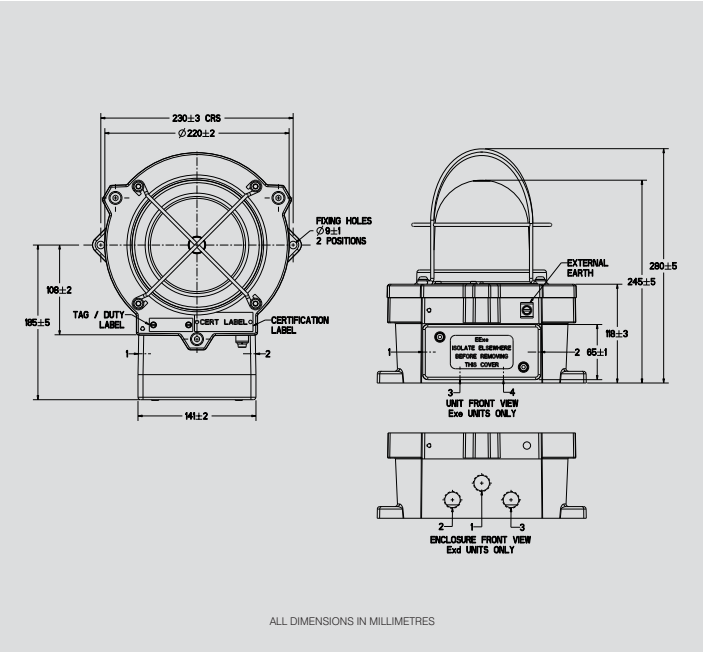
Features

- Zone 1 and Zone 2 use.
- Ex de IIC T5.
- ATEX approved Ex II 2GD.
- BASEEFA certified.
- IECEx certified Gb,Db.
- UL Listed for USA and Canada
  - – Hazardous locations:
    - Class I, Div 1, Groups C & D.
    - Class I, Zone 1, AExd IIB T4.
  - – Ordinary locations: Visual-Signal Device.
- GOST 'R' certified.
- Brazilian (Inmetro) certified.
- *Certified temperature: –55°C to +70°C.
- IP67 and IP66.
- Stainless steel or marine grade alloy.
- Various lens colours.
- Twin replaceable tubes.
- Exde version has gland earth continuity in the GRP terminal chamber.
- Tapered spigot flamepath.
- Telephone or relay initiated option.
- Optional lens guard.

**Depending on version.*

Specification

Certification:	Certified to IEC60079-0, IEC60079-1, IEC60079-31 Certified to EN60079-0, EN60079-1, EN60079-7, EN60079-31 ATEX Cert. No. Baseefa02ATEX0224X Ex II 2 GD Ex d IIC T4/T5/T6 Gb, Ex tb IIIC T85°C/T100°C/T135°C Db or Ex de IIC T5 IECEx Cert. No. IECEx BAS 10.0078X Ex d IIC T4/T5/T6 Gb, Ex tb IIIC T85°C/T100°C/T135°C Db UL Listed for USA and Canada Hazardous locations: Class I, Div 1 Groups C-D Class I, Zone 1. Listing No. E187894. Ordinary locations: Visual-Signal Device. Listing No. S8128. Refer to UL data sheet at rear of catalogue for complete information. GOST 'R' Certification: 1 Exd IIC T4. Russian Fire Approval. Brazilian (Inmetro) Certification: BR-Ex d IIC T3/T4/T5/T6. BR-Ex de IIC T3/T4/T5/T6.
Material:	LM25TF Marine Grade Alloy body. Grade 316 ANC4B Stainless Steel body. Glass reinforced polyester (GRP) terminal chamber. Toughened Wellglass.
Finish:	Red epoxy paint finish as standard or to customer specification.
Certified Temp:	UL -25ºC to + 70ºC ATEX, IECEx, GOST 'R' & Inmetro -50ºC to +55ºC (Ex de) -55ºC to +70ºC (Ex d)
Weight:	Exd: 6.6kg. Exde: 7.6kg. Add 8.4kg for stainless steel version.
Entries:	Up to 3 x M20 or 2 x M25 ISO in Exd unit. Up to 4 x M20 or 4 x M25 ISO in Exe unit.
Terminals:	Exe: 6 off suitable for up to 6mm² cable. Exd: 8 off suitable for up to 6mm² cable.
Telephone initiation: or relay interface:	Initiation by telephone ringing tone or low voltage control signals, plus initiation of a second beacon or sounder.



Electrical Ratings:

	d.c.	a.c. 50/60Hz	
Voltage	24	110	240
Tube Energy (Joules)	21	21	21
Peak Current Consumption (mA)	1400	350	185
Effective Intensity (Cd)	355	355	355
Peak Intensity (Cd)	123691	123691	123691

NOTE: The above figures (Cd) 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 given above has been verified by BSI. Reports are 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.***

Model

XB4

Certification

Certification	Code
ATEX	B
IECEx	J
UL	UL*
UL (ordinary location)	UW
GOST 'R' Exd	G†
Inmetro	M

* UL - available alloy or stainless steel.
- 24v d.c., 110v a.c.,
- 240v a.c. only.

† - Russian Fire Approval as standard.

Voltage

Voltage	Code
24V d.c.	B
48V d.c.	C
110V d.c.	D
110V a.c.	E
120V a.c.	F
220V a.c.	G
240V a.c.	H
254V a.c.	J

Terminals

Terminals	Type
6 x 6mm² (Exe)	6E*
8 x 6mm² (Exd)	8D

* IECEx, UL and GOST not available Exe

Entries

Entries	Code
M20	*B
M25	*C
1/2" NPT	*D
3/4" NPT	*E

* Prefix entry size (see diagram above) with entry position code e.g. 1B2B.

Flashrate

Flashrate	Code
60 / min	06
120 / min	12
240 / min	24

Options

Options	Code
None	A
Telephone	B
Telephone & 2nd Beacon/ Sounder	C
Relay (12V-48VAC/DC)	D*
Relay (12V-48VAC/DC) & 2nd Beacon/ Sounder	E*

* Specify a.c./d.c. voltage

Guard

Guard	Code
None	N
Yes	Y

Lens Colour

Lens Colour	Code
Red	R
Blue	B
Green	G
Yellow	Y
Amber	A
Clear	C

Duty Label

Label	Code
None	N
Yes	Y*

* Please specify wording.

Material

Material	Code
Alloy	1
Stainless Steel	0

Finish

Finish	Code
Red	R
Blue	B
Yellow	Y
Grey	G
White	W
Other	S*

* Please specify.