COOPER

Exd(e), Weatherproof

Features

- Zone 1 and Zone 2 use.
- Exd(e) IIB T4.
- ATEX Approved, Ex II 2G.
- BASEEFA certified.
- IECEx certified Gb.
- GOST 'R' certified.
- Brazilian (Inmetro) certified.
- IP66 and IP67.
- Certified Temperature: −55°C to +55°C*.
- Low current 10 Joule version available.
- Corrosion Free GRP.
- Various lens colours.
- Lens guard fitted as standard.
- Stainless steel mounting bracket & screws.
- Replaceable twin tubes.
- Optional telephone initiate.
- Optional earth continuity.

* Model dependent.

Introduction

These compact and lightweight 10 & 15 Joule beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The beacon housing, including the flamepaths, is manufactured completely from a UV stable glass reinforced polyester which is ideally suited for use offshore and onshore.

Stainless Steel screws and mounting bracket are incorporated ensuring a totally corrosion free unit.

An additional body clamp is available for high-vibration environments.

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

⟨Ex⟩ **ATEX** _IECEx_ **GOST** Ⓝ INMETRO

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

MEDC

Specification

Certification:	Certified to IEC60079-0, IEC60079-1, IEC60079-7 Certified to EN60079-0, EN60079-1, EN60079-7 Note IEC/EN60079-7 applies to Ex de versions only. ATEX Ex de Cert. No. BAS00ATEX2226X ATEX Ex d Cert. No. BAS00ATEX2204X Ex II 2 G Ex d IIB T4 Gb IECEx Ex de Cert. No. IECEx BAS 10.0087X IECEx Ex d Cert. No. IECEx BAS 10.0086X Ex de IIB T4 Gb, Ex d IIB T4 Gb Zone 1 and Zone 2. GOST 'R' Certification – 1Exd IIB T4 /2Exde IIB T4. Russian Fire Approval. Brazilian (Inmetro) Certified: BR-Ex d IIB T4 BR-Ex de IIB T4
Material:	Body: Glass reinforced polyester. Lens: Glass Cover Screws + Bracket: Stainless steel 316.
Finish:	Natural black or painted to customer specification.
Weight:	Exd 2.8kg. Exde 3.6kg.

Certified Temp:	15J unit: Exd -55°C to +50°C.
	            Exde -50°C to +50°C.
	10J unit: Exd -55°C to +65°C.
	            Exde -50°C to +65°C.

Ingress Protection:	IP66 & IP67.
Fire Retardancy:	GRP is fire retardant to ISO 1210.
Terminals:	4 x 2.5mm^2 (d.c.), 6 x 2.5mm^2 (a.c.).
Mounting:	Wall mounted via bracket.

Electrical Ratings:

	d.c.				a.c.			
Voltage	24		48		110		220/240/254	
Tube Energy (J)	10	15	10	15	10	15	10	15
Peak Current Consumption (mA)	700	1200	300	560	190	300	100	145
Effective Intensity(Cd)	285	330	285	330	285	330	285	330
Peak Intensity (Cd)	74179	111269	74179	111269	74179	111269	74179	111269
Power Consumption (W)	16.8	28.8	14.4	26.8	20.9	33	24	34.8
Flash Rate	1Hz (other flash rates available on request, please specify)							

Note: The above figures (Cd) are for a clear lens @ 1Hz flash rate.

Exde VERSION

Exd VERSION

ALL DIMENSIONS IN MILLIMETRES
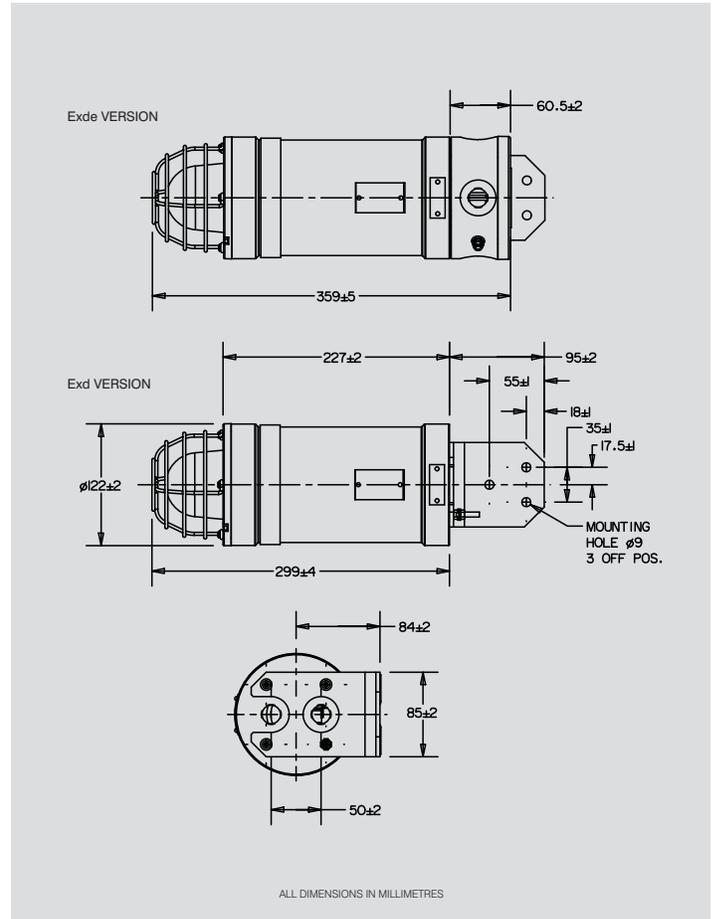
Entries:	Up to 2 x M20 (Exd). Up to 3 x M20 (Exde).
Optional:	1 x 3m cable tail (both Exd & Exde).

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. ***Standard products available ex-stock. Please visit www.coopermedc.com for further details.***

Model	Certification		Voltage	Power	Lens Colour	Tag/Duty	Options		Entries	Finish
XB10										

Certification	Code
Uncertified	W
Exd	D
Exde	E
IECEx Exd	DJ
IECEx Exde	EJ
GOST 'R' Exd	DG*
GOST 'R' Exe	EG*
Inmetro Exd	DM
Inmetro Exde	EM

* Russian Fire Approval as standard.

Voltage	Code
24V d.c.	024
48V d.c.	048
110V a.c.	110
220V a.c.	220
240V a.c.	240
254V a.c.	254

Power	Code
10J	T
15J	F

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

Label	Code
None	N
Yes	Y*

*Please specify wording.

Options	Code
Telephone Initiate	T
Earth Continuity	E
3m cable tail	G
None	N

Entries	Code
Exd	
1 x M20	1B
1 x PG13.5	1P
2 x M20	2B
2 x PG13.5	2P
Exd(e)	
3 x M20	3B

Finish	Code
Natural Black	N
Red	R
Blue	B
Yellow	Y
Grey	G
White	W
Special	S*

*Please specify.

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