

Exd(e), Weatherproof



Features

- Zone 1 use.
- Exde IIBT4/T6.
- ATEX approved Ex II 2G.
- BASEEFA certified.
- Certified temperature: -20°C to $+55^{\circ}\text{C}$ *
- IP66, IP67 and IP68.
- Corrosion Resistant.
- Exde version has gland earth continuity in the GRP terminal chamber.
- Optional guard.
- Retained cover screws.
- Various lens colours.

*Model dependent.

Introduction

These certified rotating beacons have been designed for use in flammable atmospheres and harsh environmental conditions. The marine grade alloy enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance and strength is required.

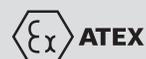
Units can be painted to customer specification and fitted with identification labels.

There are two models available,

- (1) standard rotating mirror with tungsten halogen bulb.
- (2) sequenced flashing xenon tubes.

Both models are available with optional Exe terminal chamber.

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



Specification

Certification: CENELEC – EN50014, EN50018, EN50019.
Certificate No. Baseefa02ATEX0225X.
BASEEFA – Exd IIB T4/T6 or
Exde IIB T4/T6.

Material: LM25 TF marine grade alloy body.
Glass reinforced polyester (GRP) terminal chamber.
Toughened Wellglass.

Finish: Epoxy paint finish as standard or to customer specification.

Tube Life: We do not recommend the continuous use of the TH5 for over 3 hours as this could adversely affect its life.

Rotational speed: (TH5) may vary by $\pm 20\%$ of stated R.P.M.

Certified Temp: -20°C to $+55^{\circ}\text{C}$ (TH5) -20°C to $+40^{\circ}\text{C}$ (XB5).

Weight: XB5 14.6Kg; TH5 14.9Kg. Add 1Kg for Exde versions.

Ingress Protection: IP66, IP67 and IP68.

Entries: Up to 3 x M20 ISO or 2 x M25 ISO in Exd unit.
Up to 4 x M20 ISO or 4 x M25 ISO in Exe unit.

Terminals: 6 off suitable for up to 6mm² cable.

Model: XB5 Sequenced flashing xenon tubes.

Voltage	d.c.			a.c. 50/60Hz				
	24	48	110	110	120	220	240	254
Tube Energy (J)	5	5	5	5	5	5	5	5
Peak Current Consumption (mA)	1300	650	300	500	450	240	230	210
Effective Intensity (Cd)	86	86	86	86	86	86	86	86
Peak Intensity (Cd)	45683	45683	45683	45683	45683	45683	45683	45683

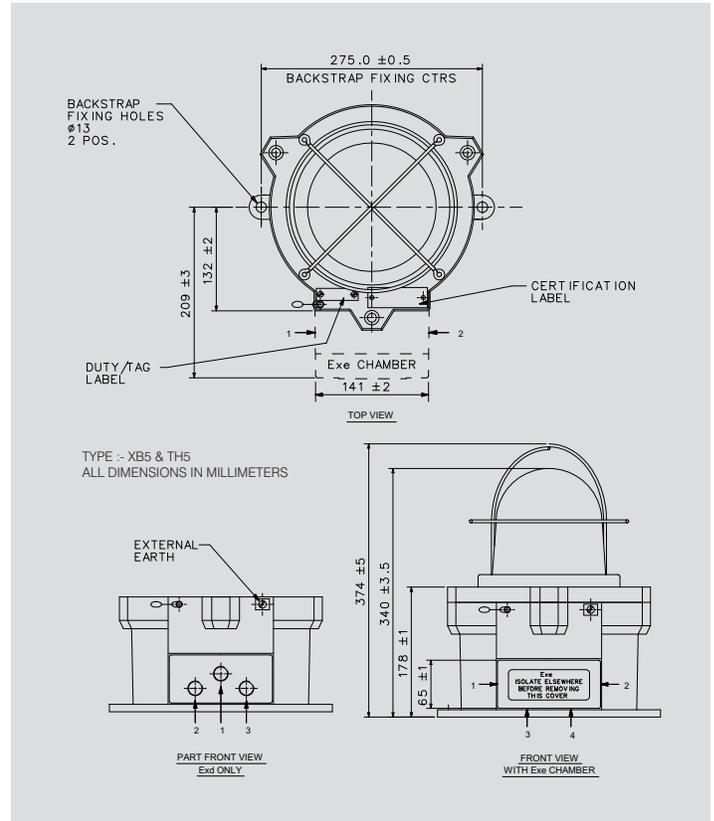
Note: The above figures (Cd) are for a clear lens @ 1Hz flash rate.

Temperature Ratings

Type	T Class	AMB
XB5	T6	40°C
TH5	T6	40°C

Multiplying Factor for Colored Lenses.

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86



Model: TH5 Rotating Mirror.

Wattage	55W	70W	70W	70W	70W
Tube Energy (J)	5	5	5	5	5
Voltage	12d.c.	24d.c.	110a.c.	220a.c.	240a.c.
Peak Current Consumption (A)	4.58	2.92	0.64	0.31	0.34
Rotational Speed (rpm)	60	120	180		
Effective Intensity (Cd)	3354	1957	895		
Peak Intensity (Cd)	11164	11164	11164		

Note: The above figures (Cd) are for a 70W lamp with clear lens.

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.

Model	Rotation Speed (TH5 only)	Chamber	Voltage	Entries	Lens Color	Tag / Label	Guard	Finish																																																																																
XB5 TH5	<table border="1"> <thead> <tr> <th>Rotation Speed</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>60 / min</td> <td>1</td> </tr> <tr> <td>120 / min</td> <td>2</td> </tr> <tr> <td>180 / min</td> <td>3*</td> </tr> </tbody> </table>	Rotation Speed	Code	60 / min	1	120 / min	2	180 / min	3*	<table border="1"> <thead> <tr> <th>Chamber</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Exd</td> <td>D</td> </tr> <tr> <td>Exde</td> <td>E</td> </tr> </tbody> </table>	Chamber	Code	Exd	D	Exde	E	<table border="1"> <thead> <tr> <th>Voltage</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>12VDC</td> <td>A</td> </tr> <tr> <td>24VDC</td> <td>B</td> </tr> <tr> <td>48VDC (not TH5)</td> <td>C</td> </tr> <tr> <td>110VDC (not TH5)</td> <td>D</td> </tr> <tr> <td>110VAC</td> <td>E</td> </tr> <tr> <td>120VAC (not TH5)</td> <td>F</td> </tr> <tr> <td>220VAC</td> <td>G</td> </tr> <tr> <td>240VAC</td> <td>H</td> </tr> <tr> <td>254VAC (not TH5)</td> <td>J</td> </tr> </tbody> </table>	Voltage	Code	12VDC	A	24VDC	B	48VDC (not TH5)	C	110VDC (not TH5)	D	110VAC	E	120VAC (not TH5)	F	220VAC	G	240VAC	H	254VAC (not TH5)	J	<table border="1"> <thead> <tr> <th>Entries</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>M20</td> <td>*B</td> </tr> <tr> <td>M25</td> <td>*C</td> </tr> </tbody> </table>	Entries	Code	M20	*B	M25	*C	<table border="1"> <thead> <tr> <th>Lens Color</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>R</td> </tr> <tr> <td>Blue</td> <td>B</td> </tr> <tr> <td>Green</td> <td>G</td> </tr> <tr> <td>Amber</td> <td>A</td> </tr> <tr> <td>Yellow</td> <td>Y</td> </tr> <tr> <td>Clear</td> <td>C</td> </tr> </tbody> </table>	Lens Color	Code	Red	R	Blue	B	Green	G	Amber	A	Yellow	Y	Clear	C	<table border="1"> <thead> <tr> <th>Label</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>N</td> </tr> <tr> <td>Yes</td> <td>Y*</td> </tr> </tbody> </table>	Label	Code	None	N	Yes	Y*	<table border="1"> <thead> <tr> <th>Guard</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>0</td> </tr> <tr> <td>Guard</td> <td>1</td> </tr> </tbody> </table>	Guard	Code	None	0	Guard	1	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>R</td> </tr> <tr> <td>Grey</td> <td>G</td> </tr> <tr> <td>Blue</td> <td>B</td> </tr> <tr> <td>Yellow</td> <td>Y</td> </tr> <tr> <td>White</td> <td>W</td> </tr> <tr> <td>Special</td> <td>S*</td> </tr> </tbody> </table>	Finish	Code	Red	R	Grey	G	Blue	B	Yellow	Y	White	W	Special	S*
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*Prefix entry size (see diagram above) with entry position code. e.g. 1B, 2B.

* Please specify.

* Please specify wording.