

MEDC Series



XB16



XB15 Pipe Mount (with cast guard)

These listed strobes have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where a lightweight product combined with corrosion resistance is required.

The housing is manufactured from a U.V. stable, glass reinforced polyester, with the lens manufactured from a U.V. stable polycarbonate. Stainless steel screws are used, ensuring a totally corrosion-free product.

The strobes contain supervisory diode and four wire leads for fire alarm applications. This strobe is also available UL 1971 (ADA) Listed for hearing impaired applications.

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

Applications:

- Condition signaling
- Security alert
- Equipment obstruction warning
- Emergency evacuation signaling

Features and Benefits:

- Pipe mount with 1/2" NPT entry
- Corrosion resistant GRP enclosure
- XB16 580,000 peak candlepower
XB15 520,000 peak candlepower
- Polycarbonate lens, various colors available†
- 4 wire diode monitored board
- Optional relay initiate
- Optional lens guard

†UL 1971 version available with clear lens only (XB16 only).

*Conforms to UL regulated voltage.


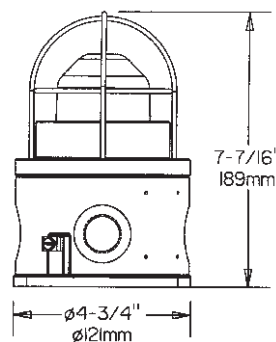
Certifications and Compliances:

- UL Listed for USA and Canada
 - Hazardous locations for USA and Canada
Class I, Div. 2, Groups A, B, C, D*
UL 1971 compliant version available
 - Ordinary locations: Visual Signal Device
- NEMA 4X and 6, IP66 & 67
- Certified temperature
 - 67°F to +158°F
 - 55°C to +70°C


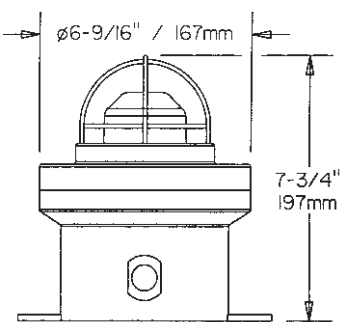
Typical Industries:

- Utility gas plants
- Wastewater treatment plants
- Mining
- Petroleum refineries
- Chemical and petrochemical
- Pulp and paper

MEDC Series

SM87 HXB		5 Joule Xenon Strobe—Explosionproof	
	Certification UL Listed for:	cULus, CSA, ATEX Class I, Div. 1, Groups C, D Class I, Zone 1	
	Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C	
	Ingress Protection	NEMA 4X & 6 IP66 & 67	
	Material	Alloy	
	Entries	Up to 2 × 1/2" or 3/4" NPT, M20, M25	
	Weight	4.4lb/2.0kg approx.	
	Options	Body & lens color, certification, lens guard, voltages 24–48V DC, 110–254V AC	
			

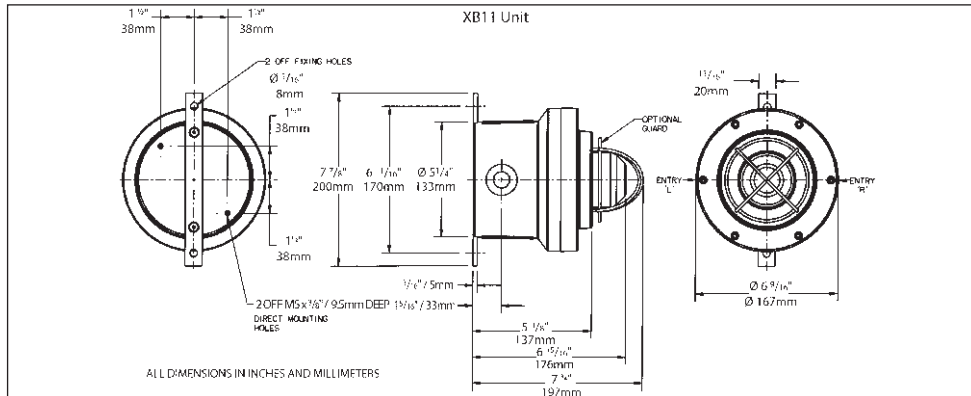
Certification	Voltage	Lens Color	Ordering Code	Cat. #	Standard Product Configuration
ATEX EX II 2GD	24V DC	Red	813005	SM87HXBAB024RN1R1LNNR	5 joules, 2 × M20 Entries, 29Cd, Exd IIc
ATEX EX II 2GD	24V DC	Amber	813006	SM87HXBAB024AN1R1LNNR	
ATEX EX II 2GD	240V AC	Red	813007	SM87HXBAB240RN1R1LNNR	7 joules, 2 × M20 Entries, 39Cd, Exd IIc
ATEX EX II 2GD	240V AC	Amber	813008	SM87HXBAB240AN1R1LNNR	
ATEX EX II 2GD	24V DC	Red LED	813009	SM87LEDAB024RN1R1LNNR	192Cd, 2 × M20 Entries, Exd IIc
UL, cUL Listed, Class I, Div. 1, Groups C, D	24V DC	Red	869161	SM87HXBAUL024RN3R3LNNR	Standard models are in alloy, red body color, no tag or duty labels, 2 × 1/2" NPT entries, 29Cd, 60 flashes per minute
UL, cUL Listed, Class I, Div. 1, Groups C, D	24V DC	Amber	869162	SM87HXBAUL024AN3R3LNNR	
UL, cUL Listed, Class I, Div. 1, Groups C, D	110V AC	Red	869165	SM87HXBAUL110RN3R3LNNR	Standard models are in alloy, red body color, no tag or duty labels, 2 × 1/2" NPT entries, 32Cd, AExd IIB, 60 flashes per minute
UL, cUL Listed, Class I, Div. 1, Groups C, D	110V AC	Amber	869166	SM87HXBAUL110AN3R3LNNR	

XB11		5 Joule Xenon Strobe—Hazardous Locations	
	Certification UL Listed for:	cULus, ATEX Class I, Div. 2, Groups C, D Class I, Zones 1 & 2, AExd IIB T5	
	Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C	
	Ingress Protection	NEMA 4X & 6 IP66 & 67	
	Material	Corrosion-free GRP	
	Entries	2 × 1/2" NPT, 20mm	
	Weight	2.6lb/1.2kg	
	Options	Body & lens color, voltages 24V DC, 110–254V AC	
			

Certification	Voltage	Body Color	Lens Color	Ordering Code	Cat. #	Standard Product Configuration
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Red	869171	XB11UL02406RNBNNNR	No tag or duty labels, 2 × 1/2" NPT entries, 60 flashes per minute
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Amber	869172	XB11UL02406ANBNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Natural Black	Clear	869173	XB11UL02406CNBNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Clear	869174	XB11UL02406CNBNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	110V AC	Red	Red	869175	XB11UL11006RNBNNNR	
ATEX EX II 2GD	24V DC	Natural Black	Red	811101	XB11B02406RNBNNNR	GRP, natural black body, no tag or duty labels, backstrap mounting, 2 × M20 entries, 60 flashes per minute
ATEX EX II 2GD	24V DC	Natural Black	Amber	811102	XB11B02406ANBNNNR	
ATEX EX II 2GD	24V DC	Natural Black	Red	811103	XB11B24006RNBNNNR	
ATEX EX II 2GD	24V DC	Natural Black	Amber	811104	XB11B24006ANBNNNR	

2S

MEDC Series



Specification—XB11 Unit

Certification:	UL Listed for USA and Canada – Hazardous locations: Class I, Div. 2, Groups C, D Class I, Zones 1 & 2, AExd IIB T5 UL Listing No. E187894 – Ordinary locations: Visual Signal Device UL Listing No. S8128 ATEX approved: Exd IIB T5/T6 Cert. No. 99 ATEX 2195X CENELEC EN50014 and EN50018
Material:	Body: Glass reinforced polyester Lens: Glass Cover Screws + Backstrap: Stainless steel 316
Finish:	Natural black or painted to customer specification
Weight:	5.5lb/2.5kg
Certified Temperature:	Standard unit SM87 HXB: -67°F to +158°F, -55°C to +70°C -67°F to +158°F, -55°C to +70°C High temperature unit: -67°F to +185°F, -55°C to +85°C
Ingress Protection:	NEMA 4X & 6, IP66 & 67
Terminals:	6 off suitable for up to 14 AWG conductor size
Labels:	Duty/tag label optional
Entries:	2 × 1/2" NPT, 20mm
Strobe/Sounder Unit:	The beacon may be combined with an MEDC Sounder to create a visual/audible alarm. Contact MEDC for price and specification.

Voltage	DC	AC 50/60Hz	
	24	110	240
XB11 Tube Energy (joules)	5	5	5
Peak Current Consumption (mA)	320	100	60
Effective Intensity (Cd)	29	29	29
Peak Candle Power	22213	22213	22213
Power Consumption (Watts)	8	11	18

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

For Colored Lenses

Color	Red	Blue	Amber	Green	Yellow
Multiplying Factor	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 the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model Type	Certification	Voltage	Flash Rate	Lens Color	Lens Guard	Unit Fixing	Earth Continuity	Tag/Duty Label	Options	Unit Finish																																									
XB11			06			B	N	N	N																																										
<table border="1"> <tr><th>Certification</th><th>Code</th></tr> <tr><td>ATEX</td><td>B</td></tr> <tr><td>UL</td><td>UL</td></tr> </table>		Certification	Code	ATEX	B	UL	UL	<table border="1"> <tr><th>Voltage</th><th>Code</th></tr> <tr><td>24V DC</td><td>024</td></tr> <tr><td>110V AC</td><td>110</td></tr> <tr><td>240V AC</td><td>240</td></tr> <tr><td colspan="2">Other voltages available, please specify.</td></tr> </table>		Voltage	Code	24V DC	024	110V AC	110	240V AC	240	Other voltages available, please specify.		<table border="1"> <tr><th>Guard</th><th>Code</th></tr> <tr><td>Yes</td><td>Y</td></tr> <tr><td>No</td><td>N</td></tr> </table>		Guard	Code	Yes	Y	No	N	<table border="1"> <tr><th>Color</th><th>Code</th></tr> <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>Yellow</td><td>Y</td></tr> <tr><td>Amber</td><td>A</td></tr> <tr><td>Clear</td><td>C</td></tr> </table>		Color	Code	Red	R	Blue	B	Green	G	Yellow	Y	Amber	A	Clear	C	<table border="1"> <tr><th>Finish</th><th>Code</th></tr> <tr><td>Natural Black</td><td>N</td></tr> <tr><td>Red</td><td>R</td></tr> </table>		Finish	Code	Natural Black	N	Red	R
Certification	Code																																																		
ATEX	B																																																		
UL	UL																																																		
Voltage	Code																																																		
24V DC	024																																																		
110V AC	110																																																		
240V AC	240																																																		
Other voltages available, please specify.																																																			
Guard	Code																																																		
Yes	Y																																																		
No	N																																																		
Color	Code																																																		
Red	R																																																		
Blue	B																																																		
Green	G																																																		
Yellow	Y																																																		
Amber	A																																																		
Clear	C																																																		
Finish	Code																																																		
Natural Black	N																																																		
Red	R																																																		