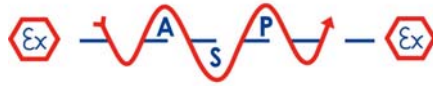


A.S.P. Electro-Technology Ltd
INFORMATION SHEET



10 & 15 JOULE XENON BEACONS - XB10 RANGE
EExd(e), Weatherproof.



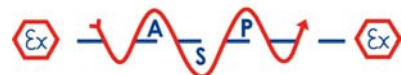
Introduction

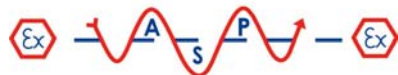
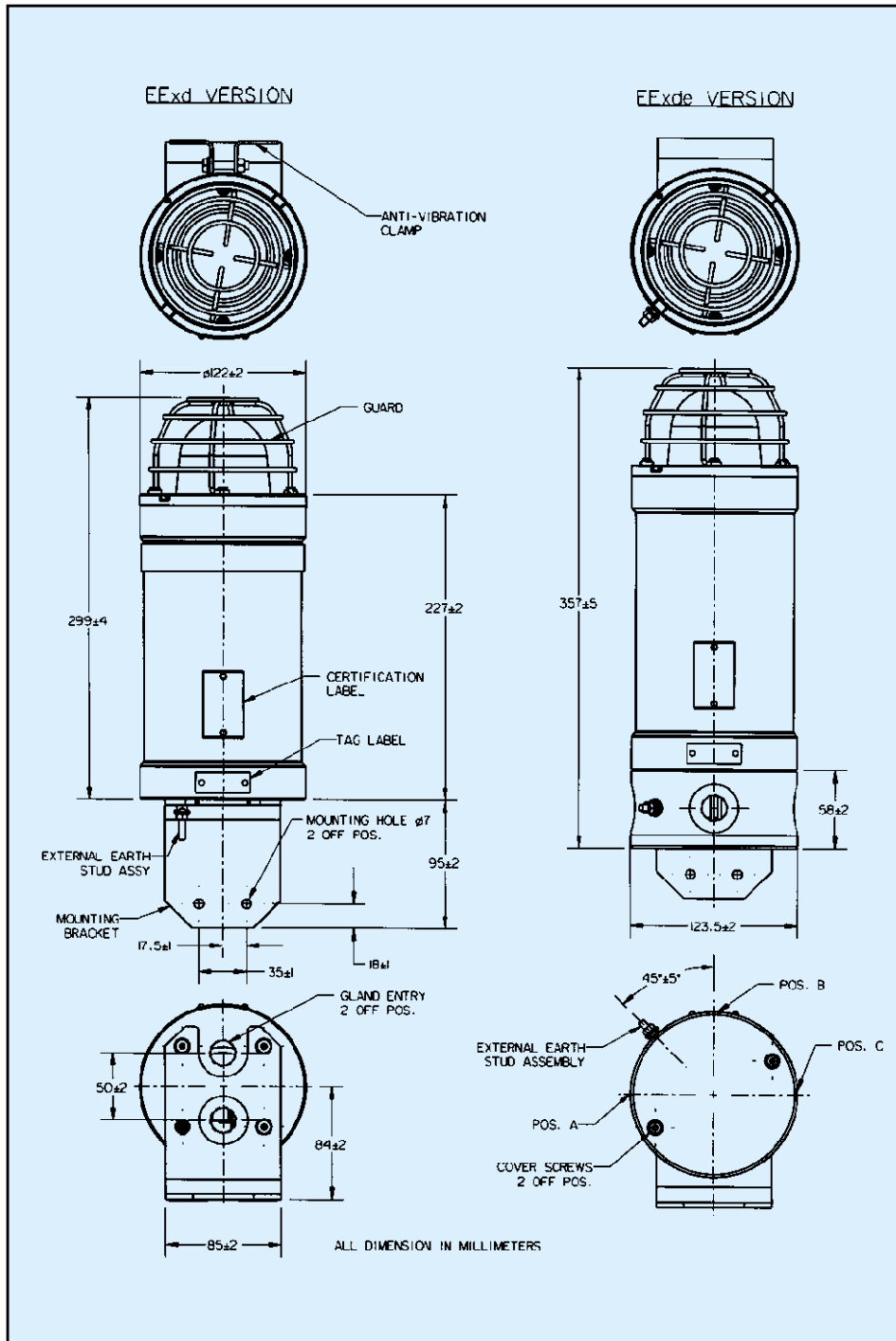
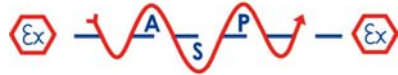
These compact and lightweight 10 & 15 Joule beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The beacon housing, including the flamepaths, is manufactured completely from a UV stable glass reinforced polyester which is ideally suited for use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

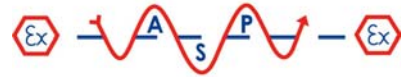
Stainless Steel screws and mounting bracket are incorporated ensuring a totally corrosion free unit. An additional body clamp is available for high vibration environments.

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

- Zone 1 and Zone 2 use.
 - EExd(e) IIB T4.
 - ATEX Approved, Ex II 2G.
 - CENELEC Approved.
 - BASEEFA 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.







Specification

Certification:	CENELEC EN50014, EN50018, EN50019. Cert. No. BAS00ATEX2226X EExde IIB T4. Cert. No. BAS00ATEX2204X EExd IIB T4. Zone 1 and Zone 2.
Materials:	Body & Cover - Glass Reinforced Polyester (GRP). Lens - Glass. Screws & Bracket - Stainless Steel 316
Finish:	Natural or painted to customer requirements.

Voltage	DC				AC			
	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.

For Coloured Lenses:

Colour	Red	Blue	Amber	Green	Yellow
Multiplying Factors (Approximate)	0.15	0.12	0.51	0.49	0.86

Weight:	EExd 2.8kg. EExde 3.6kg.
Certified Temperature:	15J unit: EExd -55°C to +40°C. EExde -50°C to +40°C. 10J unit: EExd -55°C to +55°C. EExde -55°C to +45°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.
Entries:	Up to 2 x M20 (EExd). Up to 3 x M20 (EExde). Optional: 1 x 3m cable tail (both EExd & EExde).

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. **Standard products available ex-stock as follows:**

XB10D024FRNN2BN ATEX approved Ex II 2G, certified EExdIIB T4, 15 Joule Xenon, 24V d.c., 60 flashes/min., red lens, lens guard, 2 x M20 entries, natural black finish.

XB10D024FANN2BN ATEX approved Ex II 2G, certified EExdIIB T4, 15 Joule Xenon, 24V d.c., 60 flashes/min., amber lens, lens guard, 2 x M20 entries, natural black finish.

XB10D240FRNN2BN ATEX approved Ex II 2G, certified EExdIIB T4, 15 Joule Xenon, 240V a.c., 60 flashes/min., red lens, lens guard, 2 x M20 entries, natural black finish.

XB10D240FANN2BN ATEX approved Ex II 2G, certified EExdIIB T4, 15 Joule Xenon, 240V a.c., 60 flashes/min., amber lens, lens guard, 2 x M20 entries, natural black finish.

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Supplied by:

A.S.P. Electro-Technology Ltd
Specialist Suppliers of Hazardous Area Certified
Electrical Products & Instrumentation



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