

Hazardous area status lights and combination units

CU1



Page 49

DB3B/XB15



Page 49

DB3B/XB11



Page 50

DB3B/SM87HXB



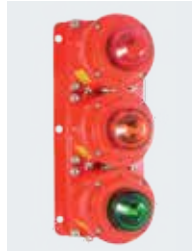
Page 50

DB1/SM87HXB



Page 51

SM87SL



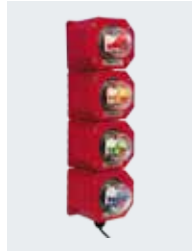
Page 51

XB11SL



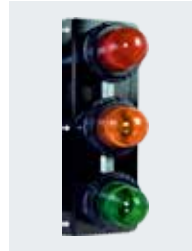
Page 52

SL5



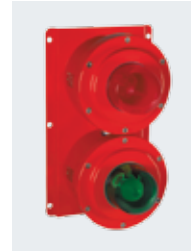
Page 52

SL15



Page 53

XB12SL



Page 53

Eaton's range of audible and visual combination units are designed for the purpose of alerting audio and visual awareness to an emergency situation. The combination units are built for use in harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries. As well as the products found in this section, combination units can be built to order from various sounders and beacons found in this catalogue. Please contact Eaton for details.

Eaton also offer a range of Status Lights designed for potentially explosive atmospheres and harsh environmental conditions. Status lights are commonly found in oil, gas, petrochemical and other hazardous areas where multi-coloured lamp combinations are used to identify the safety status of specific zones. Customers can choose from a range of materials, including stainless steel and GRP and a selection of light sources including LED.

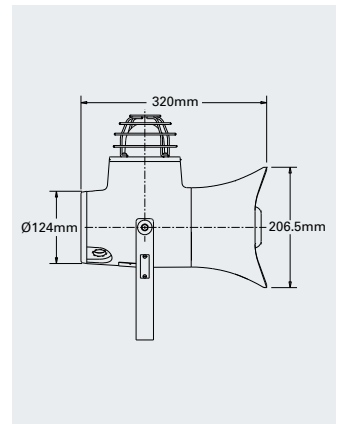
Hazardous area status lights and combination units

CU1

Ex de sounder / 5 & 10 joule beacon combination units



Certification	ATEX, IECEx, TR CU, INMETRO, CCOE
Area classification	Zone 1, 2, weatherproof
ATEX/IEC classification	Ex II 2G, Ex de IIB T4 Gb
Approvals	Russian fire approval, ABS
Certified temperature	-50°C to +70°C*
Ingress protection	IP66 & IP67
Material	Corrosion free GRP
Entries	Up to 2 x M20, M25, ½" NPT or ¾" NPT
Weight	6.5kg
Voltage	24-48Vdc, 110-254Vac
Sound output	Max: 116dB*, 1m (±3dB)
Tones	27
Stages	2*
Light source	Xenon
Options	Tube energy, flash rate, lens colour, labels, telephone initiate, relay initiate, independent operation, Earth continuity, special tones, EOL resistor, body colour

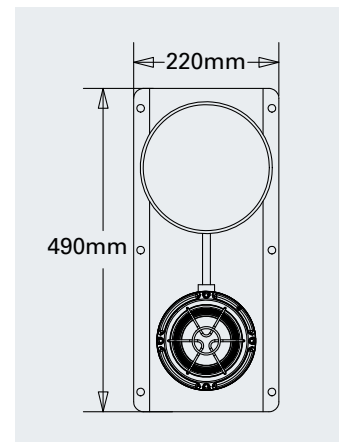


DB3B/XB15

Ex d sounder / 5, 10 & 15 joule beacon combination units



Certification	ATEX, IECEx, cULus, TR CU, CQST, INMETRO, CCOE
Area classification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Ex II 2GD, Ex d IIC T4/T5/T6 Gb Ex tb IIIC T135°C/T100°C/T85°C Db*
UL/NEC classification	Class I, Div. 2, Groups A, B, C, D Class II, Div. 2, Groups F, G
Approvals	Russian fire approval
Certified temperature	-55°C to +70°C
Ingress protection	IP66 & IP67, NEMA 4X & 6
Materials	Body: corrosion free GRP. Flare: thermoplastic
Entries	Up to 2 x M20, M25, ½" NPT or ¾" NPT customer entries. Note: Customer entries are in the beacon
Voltage	24-48Vdc, 110-254Vac
Sound output	Max: 122dB*, 1m (±3dB)
Tones	28
Stages	3
Light source	Xenon
Options	Tube energy, body, lens & flare colour, lens guard, flash rate, earth continuity, relay & tel. initiate, flare type, labels



*Model dependent

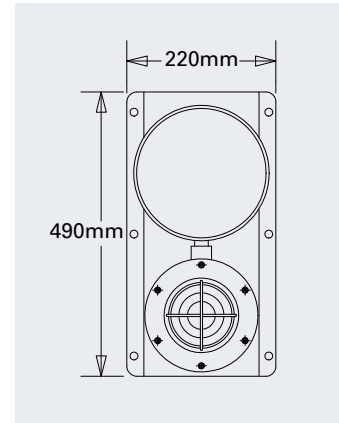
Hazardous area status lights and combination units

DB3B/XB11

Ex d sounder / 5 joule beacon combination unit



Certification	ATEX, IECEx, cULus, TR CU, CQST, INMETRO, CCOE
Area certification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Ex II 2GD, Ex d IIB T4/T5/T6 Gb Ex tb IIIC T135°C/T100°C/T85°C Db*
UL/NEC classification	Class I, Div. 2, Groups C, D
Approvals	Russian fire approval
Certified temperature	-55°C to +70°C
Ingress protection	IP66 & IP67, NEMA 4X & 6
Materials	Body: corrosion free GRP. Flare: thermoplastic
Entries	1 x M20 or ½" NPT customer entry Note: Customer entries are in the beacon
Voltage	24-48Vdc, 110-240Vac
Sound output	Max: 122dB*, 1m (±3dB)
Tones	28
Stages	3
Light source	Xenon
Options	Body, lens & flare colour, lens guard, flash rate, earth continuity, tel. initiate, flare type, labels

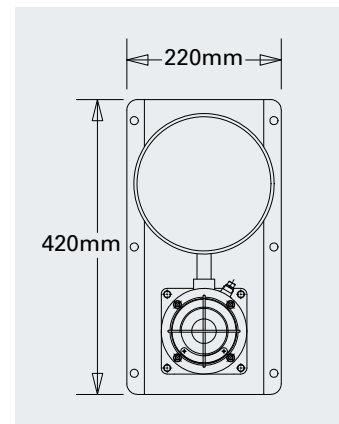


DB3B/SM87HXB

Ex d sounder / 5 joule beacon combination unit



Certification	ATEX, IECEx, cULus, TR CU, CQST, INMETRO, CCOE
Area classification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Ex II 2GD, Ex d IIC T4/T5/T6 Gb Ex tb IIIC T135°C/T100°C/T85°C Db*
UL/NEC classification	Class I, Div. 1, Groups C, D
Approvals	SIL1, Russian fire approval
Certified temperature	-55°C to +70°C
Ingress protection	IP66 & IP67, NEMA 4X & 6
Materials	Beacon body: stainless steel or alloy Sounder body: corrosion free GRP Flare: thermoplastic
Entries	Up to 3 x M20 or ½" NPT customer entries Note: Customer entries are in the beacon
Voltage	24-48Vdc, 110-254Vac
Sound output	Max: 122dB*, 1m (±3dB)
Tones	28
Stages	3
Light source	Xenon
Options	Body, lens & flare colour, lens guard, flash rate, earth continuity, tel. initiate, flare type, labels



*Model dependent

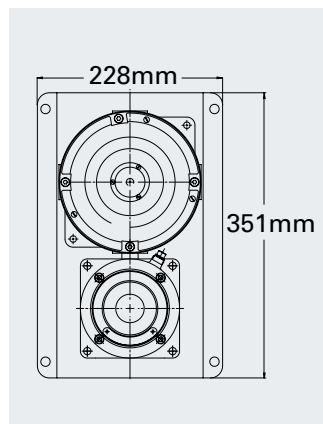
Hazardous area status lights and combination units

DB1P/SM87HXB

Ex d sounder / 5 joule beacon combination unit



Certification	ATEX, IECEx, cULus, TR CU, CCOE
Area classification	Zone 1, 2, weatherproof
ATEX/IEC classification	Ex II 2G, Ex d IIB T5/T6
UL/NEC classification	Class I, Div. 1, Groups C, D
Approvals	SIL1
Certified temperature	-25°C to +70°C
Ingress protection	IP66, NEMA 4X
Materials	Stainless steel or alloy
Entries	Up to 3 x M20 or ½" NPT customer entries Note: Customer entries are in the beacon
Voltage	24-48Vdc, 110-240Vac
Sound output	Max: 110dB*, 1m (±3dB)
Tones	27
Stages	2
Light source	Xenon
Options	Body & lens colour, lens guard, flash rate, earth continuity, tel initiate, number of sounder stages, labels

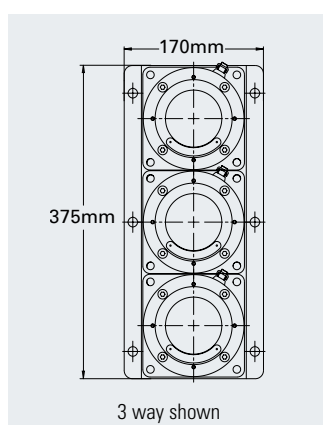


SM87SL

5 joule Ex d xenon and LED status light



Certification	ATEX, IECEx, cULus*, CSA*, TR CU, CQST*, INMETRO
Area classification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Xenon: Ex II 2GD, Ex d IIC T5/T6 Gb Ex tb IIIC T95°C/T80°C/T65°C Db Fluorescent: Ex II 2GD, Ex d IIC T6 Gb Ex tb IIIC T85°C Db Filament: Ex II 2GD, Ex d IIC T3/T4/T5/T6 Gb Ex tb IIIC T155°C/T130°C/100°C/T85°C Db LED: Ex II 2GD, Ex d IIC T6 Gb Ex tb IIIC T70°C Db
UL/NEC classification	Class I, Div. 1, Groups C, D Class I, Zone 1, Aex d IIB, Exd IIB
Approvals	Russian fire approval
Certified temperature	-55°C to +70°C*
Ingress protection	IP66 & IP67, NEMA 4X & 6
Material	Stainless steel or alloy
Entries	Up to 3 x M20, M25, ½" NPT or ¾" NPT
Weight	See datasheet
Voltage	24-48Vdc, 110-254Vac*
Light source	Xenon, filament, fluorescent, LED
Number of ways	Up to 5
Options	Lens colour, LED colour, lens guard, tag/duty label, telephone initiate, relay initiate, EOL resistor, body colour



*Model dependent

Hazardous area status lights and combination units

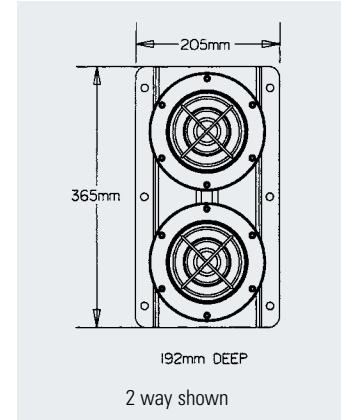
XB11SL

5 joule Ex d status light



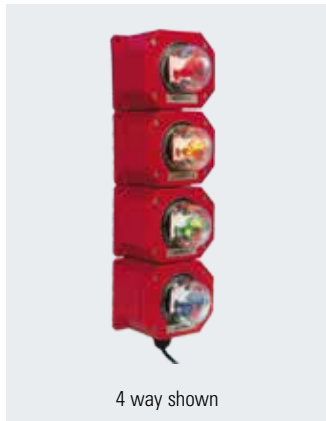
Certification	ATEX, IECEx, cULus, TR CU, CQST, INMETRO
Area classification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Ex II 2GD, Ex d IIB T4/T5/T6 Gb Ex tb IIIC T110°C/T85°C/T70°C Db
UL/NEC classification	Class I, Div. 2, Groups C, D Class I, Zone 1, AEx d IIB, Ex d IIB
Approvals	Russian fire approval, CSFM
Certified temperature	-55°C to +70°C
Operating temperature	-55°C to +70°C†
Ingress protection	IP66 & IP67
Material	Corrosion free GRP
Entries	1 x M20 or ½" NPT
Weight	See datasheet*
Voltage	24-48Vdc, 110-240Vac
Light source	Xenon, filament, fluorescent
Number of ways	Up to 5
Options	Flash rate, lamp wattage, lens colour, lens guard, earth continuity, tag/duty label, telephone initiate, body colour

† Fluorescent operating temperature = -20°C

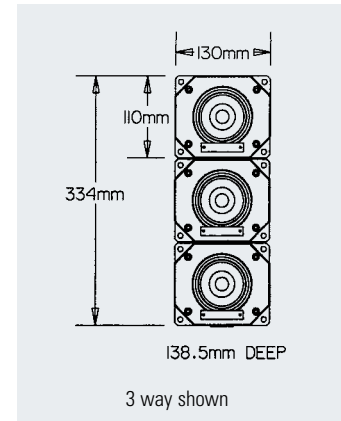


SL5

Ex e xenon, filament and LED status light



Certification	ATEX, IECEx, CQST
Area classification	Zone 1, 2, weatherproof
ATEX/IEC classification	Xenon: Ex II 2G, Ex e mb IIC T4 Gb Filament: Ex II 2G, Ex e IIC T3 Gb LED: Ex II 2G, Ex e mb IIC T4 Gb
Certified temperature	Xenon: -40°C to +55°C Filament: -40°C to +55°C LED: -40°C to +45°C
Ingress protection	IP66 & IP67
Material	Corrosion free GRP
Entries	Up to 2 x M16, M20 or 1 x M25, M32
Weight	1.2kg per way
Voltage	12-48Vdc*
Light source	Xenon, filament, LED
Number of ways	Up to 5
Options	Light source, tag & duty labels, body colour



*Model dependent

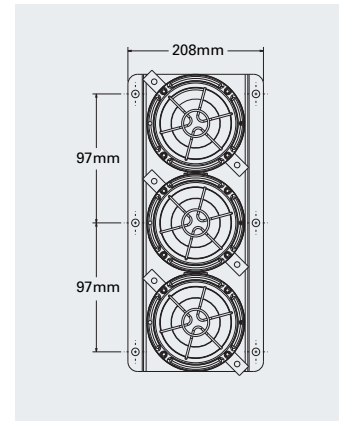
Hazardous area status lights and combination units

SL15

5, 10 & 15 joule Ex d xenon and LED status light



Certification	ATEX, IECEx, cULus
Area classification	Zone 1, 2, 21, 22, weatherproof
ATEX/IEC classification	Xenon: Ex II 2GD, Ex db IIC T4/T5/T6 Gb Ex tb IIIC T135°C/T100°C/T85°C Db Filament: Ex II 2GD, Ex db IIC T3/T4 Gb Ex tb IIIC T200°C/T135°C Db LED: Ex II 2GD, Ex db IIC T5/T6 Gb Ex tb IIIC T100°C/T85°C Db
UL/NEC classification	Class II, Div. 2, Groups F, G
Certified temperature	-55°C to +70°C
Ingress protection	IP66 & IP67, NEMA 4X & 6
Material	Corrosion free GRP
Entries	Up to 2 x M20, M25, ½" NPT or ¾" NPT
Weight	See datasheet
Voltage	24-48Vdc, 110-254Vac*
Light source	Xenon, filament, LED
Number of ways	Up to 4
Options	Flash rate (xenon & LED), light source, tube energy (xenon), lens guard, tag & duty label, body colour

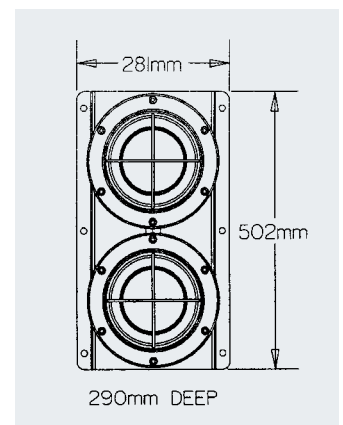


XB12SL

21 joule xenon and steady Ex d status light



Certification	ATEX, IECEx, cULus, TR CU, INMETRO
Area classification	Zone 1, 2, weatherproof
ATEX/IEC classification	Xenon: Ex II 2G, Ex d IIB T4/T5/T6 Gb Filament: Ex II 2G, Ex d IIB T3/T4/T5 Gb Fluorescent: Ex II 2G, Ex d IIB T4/T5/T6 Gb Rotating: Ex II 2G, Ex d IIB T3/T4 Gb
UL/NEC classification	Class I, Div. 2, Groups C, D Class I, Zone 1, AEx d IIB, Ex d IIB
Approvals	Russian fire approval, CSFM
Certified temperature	Xenon: -55°C to +70°C Filament: -55°C to +55°C Fluorescent: -20°C to +70°C
Ingress protection	IP66 & IP67, NEMA 4X & 6
Material	Corrosion free GRP
Entries	1 x M20 or ½" NPT
Weight	See datasheet
Voltage	24Vdc, 110-240Vac
Light source	Xenon, filament, fluorescent, rotating tungsten halogen
Number of ways	Up to 5
Options	Flash rate, lamp wattage, lens colour, lens guard, earth continuity, tag/duty label, telephone initiate, body colour



*Model dependent