

Exd(e), Heavy Duty Industrial & Marine, Weatherproof



Introduction

This range of audio/visual combination units may be assembled from MEDC's range of beacons and sounders. Mounted on a sturdy, drilled, painted, stainless steel plate, the units are pre-wired as standard such that a single input operates both the sounder and beacon simultaneously.

Units are available for use in potentially explosive atmospheres and dedicated units are now available for use in industrial and marine environments.

Features

- *Zones 1, 2 and safe area use.
- *ATEX approved Ex II 2GD.
- *IECEX certified Gb, Db.
- *UL listed Class I, Div. 1 & 2, Groups C & D.
- IP66 and 67.
- *Certified temperature: -55°C to +70°C.
- Corrosion free GRP beacon/sounder.
- Beacon available as xenon, filament, fluorescent or LED.
- Xenon: up to 21J.
- Filament: up to 100W.
- Fluorescent: up to 39W.
- LED: up to 192cd.
- Sounder: up to 115dBA output at 1 metre.
- All stainless steel (316), epoxy painted back plate.

**Model dependent.*

Other combinations of beacons and sounders are available – please contact sales office for detailed specifications.



Certification and Specification

1. DB3/XB11 – Explosionproof Xenon 5J; Sounder up to 115dB(A), all GRP corrosion free products.

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| Certification: | ATEX: Ex II 2 GD Ex d IIB T4/T5 Gb, Ex tb IIIC T100°C/T135°C Db. IECEX: Ex d IIB T4/T5 Gb, Ex tb IIIC T100°C/T135°C Db cULus: Class I, Div. 2, Groups C & D. |
| Voltage: | 24V d.c., 110V a.c., 240V a.c. |
| Beacon: | Standard: XB11 (Xenon 5J). Option: Filament (10W). Fluorescent ($\leq 10W$). |
| Sounder: | Standard: DB3 (long flare) $\leq 115dB(A)$ at 1 metre. Option: DB3 (short flare) $\leq 108dB(A)$ at 1 metre. |
| Dimensions (mm): | 420 (height) x 220 (width) x 337 (depth). |
| Options: | Refer to data sheet. Specify when ordering. |

Ordering information – Standard product. Specify options 1 to 4.

| Product | 1. Certification | 2. Voltage | 3. Lens colour | 4. Finish |
|----------|------------------|------------|----------------|----------------------|
| DB3+XB11 | ATEX, IECEX, UL | see above | Red Amber | Natural Black or Red |



2. DB1/SM87HXB – Explosionproof Xenon 5J; Sounder up to 110dB(A), LM25 or stainless steel construction, red finish.

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| Certification: | ATEX: Ex II 2 G Ex d IIB T5/T6* Gb IECEX: Ex d IIB T5/T6* Gb UL: Class I, Div. 1, Groups C & D. |
| Voltage: | 24V d.c., 110V a.c., 240V a.c. |
| Beacon: | Standard: SM87 (Xenon 5J). Option: Filament (10W). Fluorescent ($\leq 10W$). LED ($\leq 192cd$). |
| Sounder: | Standard: DB1 HP $\leq 110dB(A)$ at 1 metre. Option: DB1 P $\leq 106dB(A)$ at 1 metre. |
| Dimensions (mm): | 351 (height) x 228 (width) x 205 (depth). |
| Options: | Refer to data sheet. Specify when ordering. |

* Model dependent.

Ordering information – Standard product. Specify options 1 to 5

| Product | 1. Body Material | 2. Certification | 3. Voltage | 4. Lens colour | 5. Finish |
|---------------|-------------------------|------------------|------------|----------------|-----------|
| DB1HP+SM87HXB | LM25 or Stainless Steel | ATEX, IECEX, UL | see above | Red Amber | specify |



3. DB3/SM87HXB – Explosionproof Xenon 5J; LM25 or stainless steel, Sounder up to 115dB(A), GRP construction, red finish.

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| Certification: | ATEX: Ex II 2 GD Ex d IIC T4/T5 Gb, Ex tb IIIC T100°C/T135°C Db. IECEX: Ex d IIC T4/T5 Gb, Ex tb IIIC T100°C/T135°C Db cULus: Class I, Div. 2, Groups C & D. |
| Voltage: | 24V d.c., 110V a.c., 240V a.c. |
| Beacon: | LM25 or stainless steel. |
| Sounder: | Corrosion-free GRP. |
| Beacon: | Standard: SM87 HXB (Xenon 5J). Option: Filament (10W). Fluorescent ($\leq 10W$). LED ($\leq 192cd$). |
| Sounder: | Standard: DB3 (long flare) $\leq 115dB(A)$ at 1 metre. Option: DB3 (short flare) $\leq 108dB(A)$ at 1 metre (also available close coupled). DB3 (short flare close coupled) $\leq 108dB(A)$ at 1 metre |
| Dimensions (mm): | 420 (height) x 220 (width) x 337 (depth). |
| Options: | Refer to data sheet. Specify when ordering. |

Ordering information – Standard product. Specify options 1 to 5.

| Product | 1. Body Material | 2. Certification | 3. Voltage | 4. Lens colour | 5. Finish |
|-------------|-------------------------|------------------|------------|----------------|-----------|
| DB3+SM87HXB | LM25 or Stainless Steel | ATEX, IECEX, UL | see above | Red Amber | specify |



Close coupled version shown. Other options available.

4. DB12/XB13 or DB15/XB13 – Heavy Duty Industrial & Marine Xenon 10J; Sounder DB12 (DB15) up to 110dB(A) 117 dB(A)

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| Applications: | Harsh Industrial & Marine Environments. |
| Voltage: | 24V d.c., 110V a.c., 240V a.c. |
| Beacon: | Standard: XB13 (Xenon 10J). |
| Sounder: | Standard: DB12 $\leq 110dB(A)$ at 1 metre. Standard: DB15 $\leq 115dB(A)$ at 1 metre. |
| Dimensions (mm): | 300 (height) x 195 (width) x 220 (depth). |

Ordering information – Standard product. Specify options 1 to 3

| Product | 1. Voltage | 2. Lens colour | 3. Finish |
|-----------|------------|----------------|-------------|
| DB12+XB13 | see above | Red Amber | Natural Red |

