

► DB3

ATEX electronic siren



Technical specifications

Sound power: Up to 122 dB (A) at 1m (depending on the selected sound), volume adjustable by potentiometer

Tolerance: ± 3 dB

Sounds: 28 sounds including AFNOR NFS32001 sound.

- Vcc: Activation of 1 to 3 different sounds.
- Vca: Activation of 1 to 2 different sounds.

Available voltages: 12 to 48 Vcc - 110 240 Vac

Wiring entry: 2 x M20 (Without cable gland)

- Vcc terminal block: 8 standard 2,5mm² terminals
- Vca terminal block: 7 standard 2,5mm² terminals

Materials:

- Body in polyester reinforced with glass fibers (GRP) flame retardant V0 according to UL94V, high impact resistance, UV stable according to ISO 4892 part 3
- Thermoplastic polyester horn
- 316 stainless steel screws

IP rating: IP66 & IP67

Standard finish: Red horn in the mass and black base in the mass

Weight: 4,6 kg (Ex d) in long pavilion version

Certifications:

- Standard: ATEX gas and dust (GD) version.
- Ex II 2 G, Ex d IIC T4/T5/T6 Gb
- Ex II 2 D, Ex tb IIIC T135°C/T100°C/T85°C Db, IP66
- Temperature certification: T4 (-55° to +70°C), T5 (-55° to +55°C), T6 (-55° to +40°C)
- SIL 1 according to IEC 61508

Area of use:

Zones 1, 2, 21 and 22 for gas and dust risks (GD)

Other certifications: IECEx, UL (USA + Canada), GOST (Russian and kazakh), CQST (China), Inmetro (Brazil), SAA (Australia)

Product description

Light and fire resistant, the **DB3** electronic siren for use in classified areas (ATEX) is made of polyester reinforced with UV and corrosion resistant glass fiber.

It has been designed with a high protection level in order to meet the rigorous use conditions generally observed in "offshore environments" with very severe weather conditions.

► Assets

- ATEX 1, 2, 21 and 22 for gas and dust risks (GD)
- SIL 1 according to IEC 61508
- GRP body (Glass fiber reinforced polyester)
- UV resistant according to ISO 4892 part 3 and corrosion
- Up to 122 dB(A) at 1m (depending on the chosen sound)
- 28 sounds including AFNOR NFS32001 sound
- IP rating IP66 & IP67
- Extreme temperature ranges -55 to +70°C

► Available options

- Epoxy red paint finish, blue or yellow (others, contact us)
- « Exe » increased safety connection box
- Customizable markings (Tag and/ or function)
- Swivel mounting bracket
- Special sound possible on request
- Short horn version (in 113 dB)

Model selection

Code	Description
810 048	Electronic siren DB3B Exd GD (Gas and Dust) 12-48 Vcc power supply – Black body, red horn
810 049	Electronic siren DB3B Exd GD (Gas and Dust) 12-48 Vcc power supply – Black body, red horn

ATEX light and sound combination



In the same quality and performance range, the **CU1** sound and light combination certified ATEX zone 1, 2, 21 & 22 is particularly suitable in an industrial environment where the visual signal supplements the sound signal.

Made of glass fiber reinforced polyester, it is also suitable for use in the harshest applications and environments.