

*SIRENA*



**Products for potentially  
explosive atmospheres**

## Explosion-proof signaling devices

Since 1974, Sirena Spa has been designing and manufacturing in Italy high-quality **acoustic and luminous signaling devices**.

In 2025, with the corporate acquisition of **AES Antideflagranti**, Sirena expands and strengthens its product portfolio in the explosion-proof sector.

**AES Antideflagranti** manufactures and markets products for **potentially explosive atmospheres**; explosion-proof, **Ex-d**, **Ex-e** increased safety, **Ex-i** intrinsically safe devices certified according to the ATEX 2014/34/EU directive, for installations in explosion and fire hazard zones.

**AES** products are certified by accredited bodies in accordance with international construction standards EN60079-0, EN60079-1, EN60079-31.

**AES** works in documented quality system according to ISO9001:2015 standards, with certificate of approval issued by Lloyd's Register Quality LRC10018794.

Notification of production quality assurance according to ATEX Directive 2014/34/EU was issued by **INERIS: 05 ATEX Q705**.

**AES** product range includes:

- illuminating fixtures for obstruction signaling and portable inspection lamps
- signal beacons
- loudspeakers and sirens
- explosion-protected junction boxes
- cable glands and connectors
- electrical fittings

The experience gained, the versatility of the range, and the high quality and safety standards are the key principles that allow **AES** to offer products and solutions responding to the most demanding **applications in the explosion-proof sectors**:

- Oil&Gas
- Chemical-Pharmaceutical
- Mining
- Shipbuilding sector
- Food
- Traditional and green Energy



## Audible warning devices | AW-ETH12MD | AW-ETH20MD



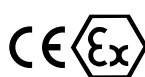
**Audible warning devices** for use in low background noise environments **AW-ETH12MD**, or open environments with a high background noise where **AW-ETH20MD**, where a potentially explosive atmosphere may occur.

32 selectable tones through deep-switch.

**AW-ETH20MD** version with 16 tones also available.

These **Group II** devices can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22.

Marking



**AW-ETH12MD**  
II 2GD  
Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db IP65

**AW-ETH20MD**  
II 2G Ex d IIC T4 Gb  
II 2D Ex tb IIIC T130°C Db IP6X



INERIS 02 ATEX 0074 **AW-ETH12MD**  
ISseP 11 ATEX 040 X **AW-ETH20MD**

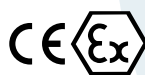
## Loudspeakers | LS-AP30MD | LS-AP60MD



**Loudspeakers** suitable for communication systems in environments with potentially explosive surfaces with max. power output of 15W **LP-AP30MD** or 30W **LP-AP60MD**.

These **Group II** devices can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22.

Marking



**LS-AP30MD**  
II 2GD  
Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db IP65

**LS-AP60MD**  
II 2G Ex d IIC T4 Gb  
II 2D Ex tb IIIC T130°C Db IP6X



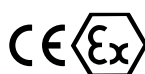
INERIS 02 ATEX 0074 **LS-AP30MD**  
ISseP 11 ATEX 040 X **LS-AP60MD**

## Electromechanical sirens | RS-ETS30 | RS-ETS60-109 | RS-ETS60-114



**Electromechanical sirens** for environments where a potential explosive atmosphere is present. Linear sound. **RS-ETS30** is a device of **Group II** and it can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22. **Stainless steel** versions are certified for **Group I** and therefore suitable for use in mines and tunnels or in areas with highly aggressive environments. **RS-ETS60-109** and **RS-ETS60-114** are **Group II** devices and can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22. These sirens are suitable for short-term warnings, the sound reaches its peak in a short period of time.

Marking



**RS-ETS30** **AL**  
II 2G Ex d IIC T6 Gb  
II 2D Ex t IIIC T85°C Db

**RS-ETS30** **SS**  
I M2 Ex d I Mb



ISseP 08 ATEX 004 X **RS-ETS30**  
INERIS 02 ATEX 0001 X **RS-ETS60-109** | **RS-ETS60-114**

**RS-ETS60-109** | **RS-ETS60-114**  
II 2GD Ex d IIC T6 Ex tD A21 IP65 T85°C

## Lighting fixtures | LF-EVA | LF-EVC | LF-EVJ



LF-EVC...



LF-EVJ...



LF-EVA...

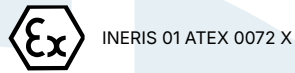
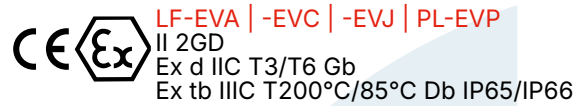


### Portable versions | PL-EVP



PL-EVP...

Marking



**Lighting fixtures** used in potentially hazardous areas of industrial areas for indoor or outdoor structure lighting. They are used with halogen, energy savings, LED, or incandescence light bulbs. Installation:

- LF-EVA hanging with one 3/4" NPT opening
- LF-EVC ceiling with two or three 3/4" NPT openings
- LF-EVJ wall with two 3/4" NPT openings

Available in 4 different sizes: **EV50, EV100, EV200, EV300.**

**Portable inspection lamps** suitable for inspection and maintenance work in potentially explosive areas. For LED, halogen, fluorescent lamps or blended light.

These **Group II** fixtures can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22.

## Obstruction lighting fixtures | OL-LP50 | OL-LPA 50

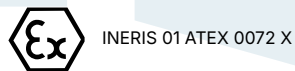


OL-LP



OL-LPA

Marking



**Obstruction lighting fixtures** for signaling devices particularly suitable for use on towers or chimneys and tall buildings as **obstacle markers**. The stainless steel AISI 316L versions are also used in off-shore plants. Fresnel lens dome in 5 different colors: ●●●●●

These **Group II** fixtures can be installed in areas with explosive atmosphere zone 1 and 2.

- OL-LP50 with one 3/4" NPT opening
- OL-LP50A with two or three 3/4" NPT openings

## Xenon stroboscopic fixtures | XF-EVA | XF-EVC | XF-EVJ



XF-EVC...



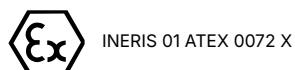
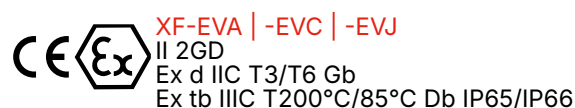
XF-EVJ...



XF-EVA...



Marking



**Xenon stroboscopic fixtures** suitable for alarm and warning systems used in potentially hazardous areas. Installation:

- XF-EVA hanging with one 3/4" NPT opening
- XF-EVC ceiling with two or three 3/4" NPT openings
- XF-EVJ wall with two 3/4" NPT openings


Available in 3 different sizes: **EV50, EV100, EV200** and five colors: ●●●●●

LED versions available on request.

These **Group II** fixtures can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22]]].

## Multiple signaling devices: visual and audible-visual



 II 2GD Ex d IIC Gb tb IIIC Db

### Cable Glands

Wide range of cable glands for armored and unarmored cables.

Degree of protection IP66/67

Barrier cable gland

Polyamide cable glands for unarmored cable.

Materials: nickel-plated OT, galvanized steel, AISI 316L



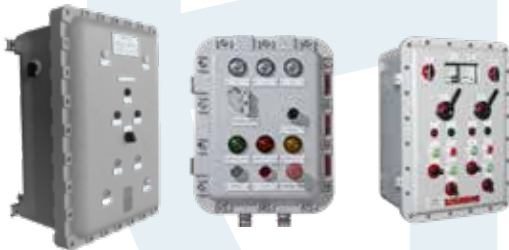
 2G Ex de IIC Gb | II 2D EX tb IIIC Db

### Control and signaling units

Wide range of **Group II - Category 2G 2D** control units that can be installed in areas with explosive atmosphere zone 1, 2, 21 and 22.

Fiberglass reinforced polyester version.

AISI 316L versions for off-shore environment.




### EJB series enclosures

Light alloy enclosures with low copper content ( $\leq 0.1\%$ ) suitable for installation in areas with explosive atmosphere zone 1, 2, 21 and 22 **Group IIB+H2** or **Group IIC** versions.

Used for motor starting, control and disconnection or shunt switchboards.

AISI 316L versions for off-shore environment.



 Ex de, Ex tb, Ex e, Ex ia, Ex e ia, Ex tb ia, Ex eb, Ex i.

### Reinforced Polyester Enclosures

Enclosures intended for installation in areas with explosive atmosphere zone 1, 2, 21 and 22.

Our sales team can recommend the most suitable enclosures according to the number of terminals, of holes per side and the maximum power dissipation while complying with certification data.

IP65/IP66 degree of protection.



### AISI 316L enclosures

Enclosures suitable for installation in areas with explosive atmosphere zone 1, 2, 21 and 22.

For installations in areas with very aggressive or saline atmosphere. They are supplied with modular terminals, also with warning lamps, pushbuttons and measuring instruments to create control and signaling panels.

IP65/IP66 degree of protection.



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Antideflagranti