



Quick Start Guide

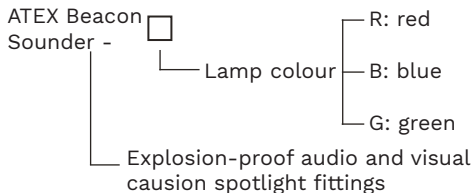
ATEX Beacon Sounder

Explosion-proof audio and
Visual caution spotlight fittings

1. APPLICATION

The ATEX Beacon Sounder explosion-proof audio and visual caution spotlight fittings (hereinafter referred to as light fittings) can be used in Zone 1 and Zone 2 hazardous areas (explosive gas atmospheres except coal mine) where IIA, IIB and IIC explosive gas or vapour presents with T1 to T6 classification, and Zone 21 and Zone 22 hazardous areas with combustible dust atmosphere. It's been widely used for accident signal alarm or signal indication in areas such as chemical plant, stockroom, fueling station, oil drilling platform, oil industry, etc. where presents with 50/60Hz 220 ~ 240V AC or 24V DC/AC circuit.

2. CATALOGUE NUMBER LOGIC





3. COMPLIANCES

EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31

4. WORKING CONDITIONS

- Ambient temperature: -40°C to $+55^{\circ}\text{C}$.
- Normal atmospheric pressure: 80kpa (0.8bar) to 110kpa (1.1bar); normal oxygen content is 21%v/v.
- Relative humidity: $\leq 95\%$.
- Zone 1, Zone 2; T1 to T6; and Zone 21, Zone 22.
- Areas without gas or vapour which affects the performance of insulation.
- Pollution grade: 3.

5. MAIN TECHNICAL PARAMETERS

Ex-mark		Rated voltage	
 II 2 G Ex d ib IIC T6 Gb  II 2 D Ex t IIIC T80°C Db IP66		220V ~ 240V AC 50/60Hz 24V DC/AC	
Inlet thread	Sound intensity	Flash frequency	Ingress protect
M25X 1.5	100 ~ 120dB (R=1m)	70 times/min	IP66, IP67 (optional)

6. MAIN STRUCTURES

1. Die-casting copper-free aluminium enclosure, high-pressure static plastic spraying surface.
2. High-strength and borosilicate glass tube, light transmission $\geq 88\%$.
3. The light fittings are supplied with plugs at the cable entries. Cable glands are on request. DQM-II or DQM-III is recommended.

7. INSTALLATION

1. The light fittings must be installed by licensed professional.
2. Confirm whether the key parameters listed on the nameplate are applicable in the field environment before installation.
3. Remove the seal plug at the inlet entry, pass cables through the Ex-cable gland into the light fitting and connect to the terminal. Check if power connection is correct, and screw down lock bolts.
4. In Zone 1, only compound barrier cable gland can be used, while in Zone 2, both compound barrier cable gland and rubber seal cable gland are acceptable.
5. The light fittings should be earthing internally and externally.
6. Details of wiring as follows (Attached

Drawing 2).

8. INSPECTION AND MAINTENANCE

1. Light fittings shall be maintained regularly in order to ensure product performance. Contact us for spare parts if required.
2. Light fitting power must be cut off before maintenance.
3. Protect flameproof thread properly during maintenance.
4. Make sure electrical clearance and creepage distance are according to the standard.
5. 'Intrinsic safety' buzzer control panel has been debugged and encapsulated by epoxy resin. Disassembling is not permitted. Contact us for purchasing and replacing it in time if damaged accidentally.

9. OUTLINE DIMENSION

(REFER TO ATTACHED DRAWING 1)

(Dimension unit is mm)-subject to alteration

10. TRANSPORTATION

Weatherproof measures should be taken during transportation.

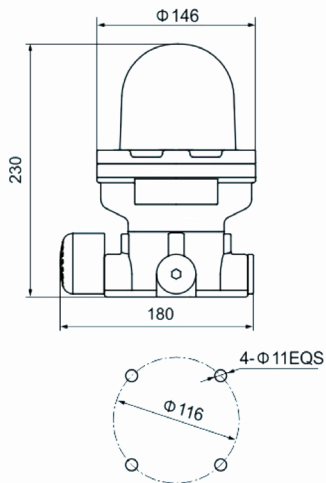
11. STORAGE

1. The light fittings should be stored in ventilated, non-dropping and non-liquid warehouse at the temperature of -40°C to $+55^{\circ}\text{C}$ and relative humidity $\leq 95\%$.
2. The surroundings should be kept from corrosive gases which may damage metal and insulation.

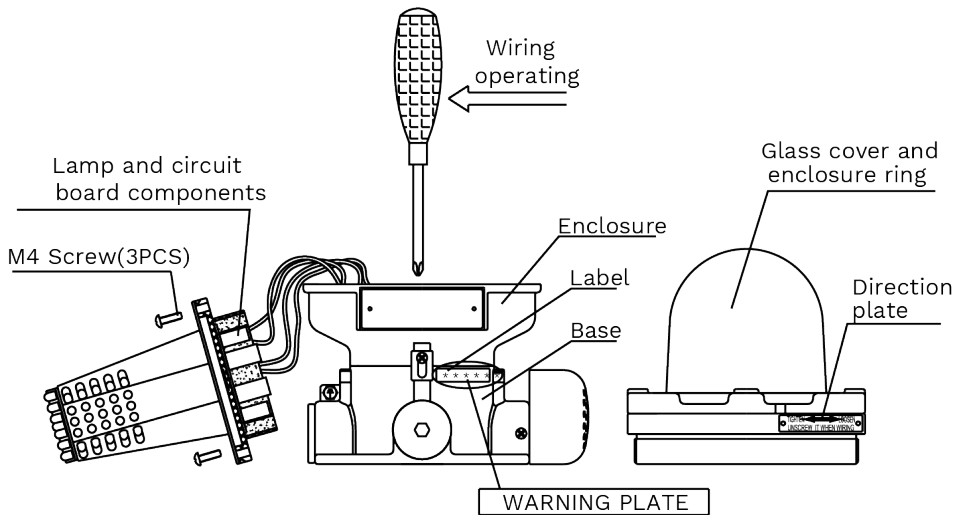
12. ORDERING INFORMATION

Please specify the ordering code and quantity according to catalogue number logic when ordering. Mark special requirement if any.

Attached Drawing 1



Attached Drawing 2



EU DECLARATION OF CONFORMITY

We declare under our sole responsibility that the following

products fulfill the relevant directives:

1) ATEX directive 2014/34/EU

- Explosion-proof audio and visual caution spotlight fittings: ATEX Beacon Sounder

II 2 G Ex d ib IICT6 Gb

II 2 D Ex t IIIC T80°C Db IP66

Standards applied:

- EN 60079- 0 (2009) - EN 60079- 1 (2007)

- EN 60079- 11 (2007) - EN 60079- 31 (2009)

- EC type certificate: LCIE 11 ATEX 3111X

- Quality notification: PTB 03 ATEX Q082-5

2) EMC directive 2014/30/EU

Standards applied:

- EN 55015 (2013)

EC type certificate has been issued by LCIE (Laboratoire Central des Industries Electriques).

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CONTACT INFORMATION

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