Anwetech

Explosion-Proof Fire Alarm Beacon

I. Overview

The AT-ESL01 Explosion-Proof Fire Alarm Beacon is a non-addressable visual alarm device. It is designed for use in explosive gas atmospheres classified as Group IIC, Temperature Class T6. Upon receiving a signal from a fire alarm control panel during an emergency, it activates a high-visibility flashing light.

This beacon can also be used with manual call points. It is compatible with fire alarm control panels from various manufacturers. Featuring LED technology, it offers a robust design, reliable performance, and easy installation.

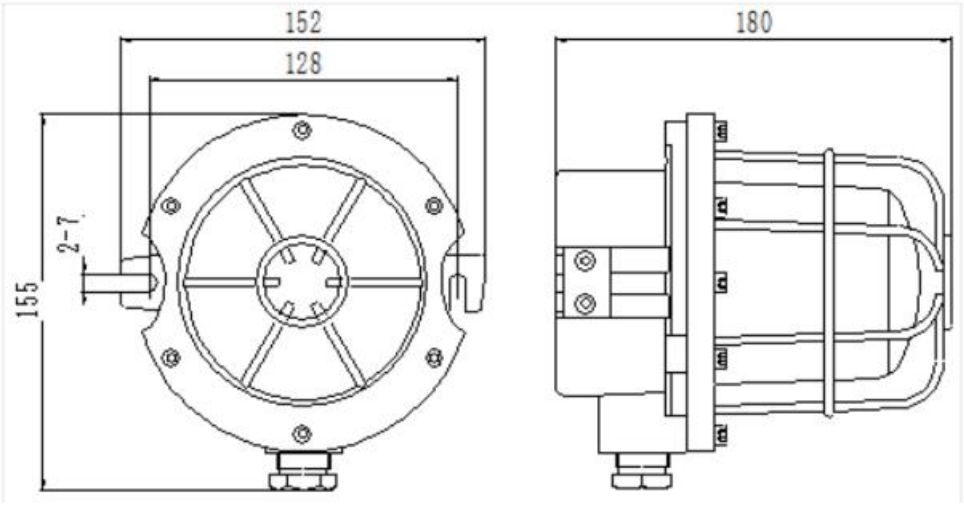
This product meets the standards of GB/T 3836.1-2021,G B/T 3836.2-2021, and GB/T 3836.4-2021. It is certified by the national authority for use in hazardous areas.

II. Specifications

Item	Specification
Explosion Protection Rating	Ex db ib IIC T6 Gb Ex ib tb IIIC T80°C Db
Operating Voltage	DC24V
Alarm Current	≤ 50mA
Flash Rate	60 flashes / minute
Enclosure Protection (IP Code)	IP65

Item	Specification
Operating Temperature	-20℃ to +40℃
Operating Humidity	≤ 95% RH (non-condensing)
Atmospheric Pressure	80 kPa to 110 kPa
Weight	1.2 kg

III. Testing, Installation & Wiring



Testing: Two test leads are provided. Connect a DC24V power source (non-polarized) to these leads. The beacon will flash to confirm it is operational.

Note: Remove these test leads for final installation. Use standard cable (S ≥ 1.0 mm^2) for system connection to maintain explosion-proof integrity.

Installation: Mount the unit to a wall or ceiling using M6 screws through the provided mounting brackets.

Wiring: Open the enclosure by loosening the cover screws. Connect the system wiring to the terminals as shown below. Reassemble the enclosure securely.

IV. Important Safety Notes

Do not open or service the device in a hazardous area while powered.
Ensure all bolts are properly tightened and flameproof surfaces are clean and undamaged.
Use correct replacement fasteners (yield strength ≥ 640 MPa).
The internal and external grounding terminals must be securely connected.