



**Model No.: AS-SG01EX**

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**Thank you for using our products. Pls read this manual before operation.**

## **Overview**

TDE-SG01EX explosion-proof strobe sounder is a conventional type fire alarm device, ideal for hazardous environment fire system notification.

TDE-SG01EX explosion-proof strobe sounder can be used with manual alarm call point to make up of a simple and independent fire alarm combination equipment.

TDE-SG01EX explosion-proof strobe sounder can be used with fire alarm control panel, in case of fire, the control panel receives alarm signal from fire detector or call point, then the panel sends an activation signal to the strobe sounder.

TDE-SG01EX explosion-proof strobe sounder has high sound level up to 110dB@1m, the light source use ultra-bright LED, high visibility and long service life.

TDE-SG01EX explosion-proof strobe sounder complies with GB3836-2010 standards for explosion proof performance. The explosion-proof strobe sounder is applicable to Zone 1 and zone 2, containing the hazardous area of class II C T6 temperature explosive gas atmosphere.

## **Parameters**

- Explosion-proof mark: Ex d II C T6 Gb
- The ambient temperature: -10° C ~ +55° C
- Relative humidity: ≤95% (non-condensing)
- Atmospheric pressure: 80~110KPa
- Ingress protection grade: IP65
- Working voltage: DC24V
- Alarm current: ≤600mA
- Sound intensity: 100~110dB

- Flash frequency: 60 times/min
- Color: Red
- Cable inlet: G1/2"
- Gross wight: about 1.5kg

## Appearance and Dimension

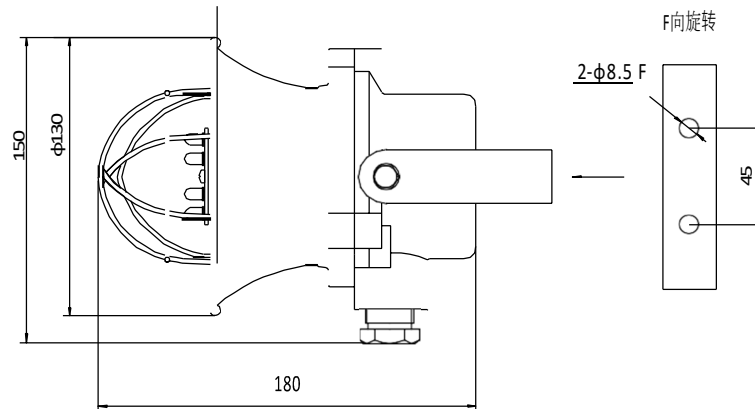


Figure 1

## Testing

The end user should test the device after unpacking the shipping carton. Testing guidance is as follows:  
There are 2 conducting wires lead from the cable inlet of the device. Connect DC24V wires to the conducting wires and power in on, it's qualified if the device give an audible and visual alarm.

**Note:** The conducting wires is only for user testing purpose. When the device is connected to fire alarm fire protection system, the conducting wires should be removed, instead, use at least  $S \geq 8 \text{ mm}^2$  cross-sectional area rubber cable to connect it , Otherwise, the detector will lose its explosion-proof performance

## Installation

According to the construction site condition, use M6 expansion screws to fix the explosion-proof base to the wall through its mounting rack.

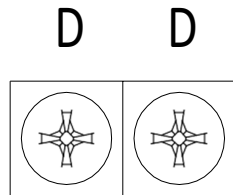
Use at least  $S \geq 8 \text{ mm}^2$  rubber cable for connection. Cable inlet hole should be downward.

Cable can be connected with galvanized pipe or explosion-proof flexible pipe.

Cable Lead-in Device: class II B adopts gland nut sealing ring structure class II C adopts stuffing seal structure.

## Wiring

Loosen the fixing screw of the device's outer housing and open the explosion-proof chamber. Connect DC24V wires to the power terminals in the device. After that, the explosion proof cover should be well installed , fastening screws should be evenly tightened. Be careful not to mix wires or other foreign objects on the explosion proof surface.



**D and D:**  
DC24 power terminals  
( no polarity)

Figure 2

## Precaution

1. It is strictly forbidden to disassemble the **electrified** device in inflammable and explosive places.
2. Keep the explosion proof base clean and dry, be careful not to damage it during installation. The fastening screws of the explosion-proof base should be tightened. Be careful not to mix foreign objects on the explosion-proof base.
3. If the device is in long-term use, please maintain it regularly, make sure the device is in good condition and with good performance. Please give to professionals for repair if the device has any failure or damage.