Model No.: TDE-SIREN-EX

Overview

TDE-SIREN-EX explosion-proof alarm siren is a conventional type fire alarm device, ideal for hazardous environment fire system notification.

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

TDE-SIREN-EX explosion-proof alarm siren 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 alarm siren.

TDE-SIREN-EX explosion-proof alarm siren has high sound level up to 110dB@1m. It has reasonable structure, reliable performance, high reliability and strong anti-interference ability.

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

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

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
- Cable inlet: G1/2"
- Sound type: fire sound
- Gross weight: about 1.6kg

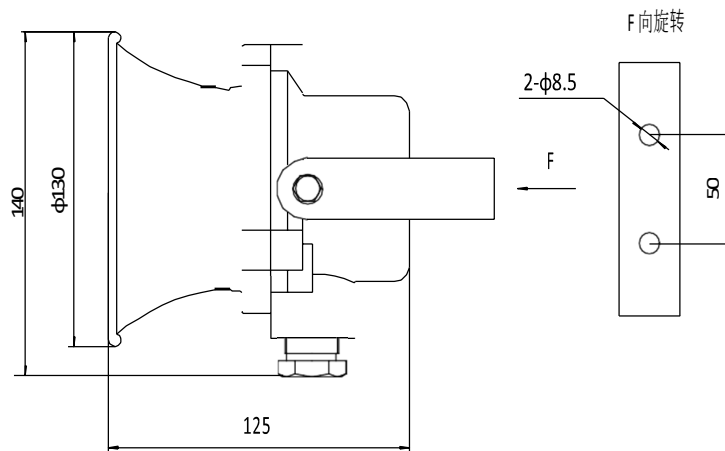## Appearance and Dimension
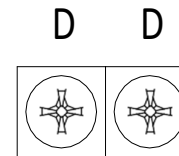

F向旋转

2-φ8.5

F

50

140

φ130

125

Figure 1

Operation

Testing: The end user should test the device after unpacking the shipping carton. Testing guidance is as follows:

Connect DC24V wires to the power terminals in the siren and power in on, it's qualified if the device give an audible alarm.

When the siren is connected to fire alarm system, the testing wires

should be removed, and use an at least S≥8 mm^2 cross-sectional area rubber cable to connect it , otherwise, the detector will lose its explosion-proof performance.

Installation: Use M6 bolts to fix the siren through its mounting rack to the wall or ceiling.

Connection: Loosen the fixing screws of the siren bottom cover, open the wiring chamber, connect the cables to the wiring terminals (see the figure below). After connecting the wires, install the cover and main body.

D   D

D and D is for DC24V power terminal

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.