

## C-9403 Conventional Sounder Strobe

### Features

- ✧ High bright red LEDs are used as light source.
- ✧ High sound level, over 75dB at 3m ahead horizontally (A weighted).
- ✧ Circuitry and base are twisted together.
- ✧ Standard: EN 54-3.

### Description

C-9403 Conventional Sounder Strobe is a kind of audible and visual alarm device used to warn people in field when fire occurs. It can give audible and visual alarm when applied to 24VDC power (D1 connected with anode and D2 with cathode). To connect it with fire alarm control panel, an addressable control module should be added to the system, such as I-9301 Addressable Single I/O Module.

Both shallow base with 25.5mm high and deep base with 40mm high are available, deep base is used if there is no special statement in this manual.

### Connection & Wiring

Terminals on the base are shown in Fig. 2.

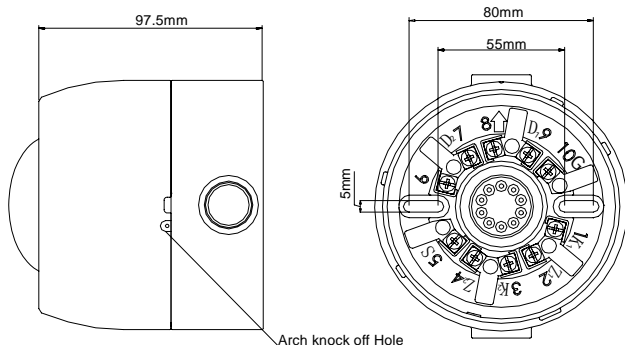


Fig. 1

Fig. 2

D1 (9), D2 (7): To 24VDC power, polarity-sensitive; D1 to anode and D2 to cathode.

### Recommended Wiring

1.5mm<sup>2</sup> or above fire cable for 24VDC power line, subject to local codes.



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### Installation

- ✧ When the sounder strobe is surface mounted, it should be placed 0.2m from the ceiling for normal space height. When the conduit is embedded, the base can be mounted on the electrical box. When the conduit is surface mounted, the deep base should be adopted. Knock the knock-off hole, then connect the conduit with it. The mounting hole spacing and mounting direction are shown in Fig. 2. Mounting method is shown in Fig. 3a and Fig. 4. When the shallow base is required, the sounder strobe only adopts conduit embedded. Its mounting method is shown in Fig. 3b.

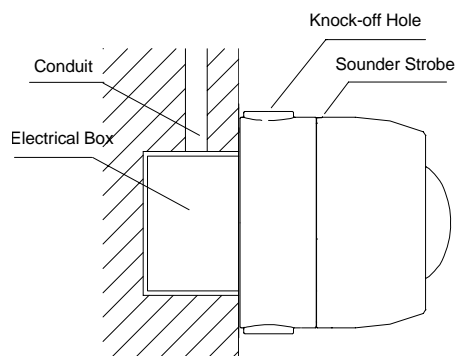


Fig. 3a

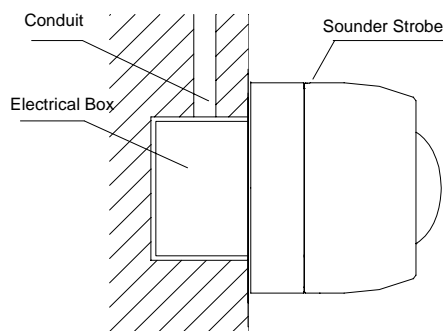


Fig. 3b

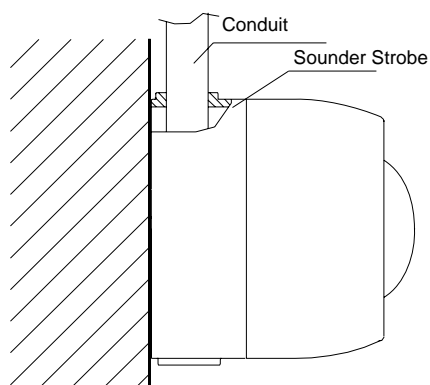


Fig. 4

- ✧ The base and the sounder strobe are twisted together. When mounting, remove the sounder strobe, thread cables through the cable entry in the base and connect with corresponding terminals, then twist the sounder strobe onto the base.
- ✧ If the sounder strobe is required anti-removal, knock down the arch knock-off hole as shown in Fig. 1 and fix it with ST2.9×6.5 tapping screws (in this case, it must be removed by a special tool).

## Application

Apply 24VDC power to D1(9) and D2(7) (polarity-sensitive, D1 (9) connects with anode and D2 (7) connects with cathode), and the sounder strobe should generate audible and visual alarm. In normal monitoring state, there should be no voltage input.

## Sound Level Data

### Fixed tone, Maximum Volume

| Angle | Horizontal |       | Vertical |       |
|-------|------------|-------|----------|-------|
|       | 18V        | 28V   | 18V      | 28V   |
| 15°   | 74.47      | 78.16 | 71.95    | 75.55 |
| 45°   | 81.85      | 86.44 | 82.03    | 85.36 |
| 75°   | 88.06      | 92.47 | 87.88    | 91.66 |
| 105°  | 88.15      | 91.93 | 89.14    | 92.92 |
| 135°  | 80.50      | 85.54 | 82.48    | 87.07 |
| 165°  | 62.32      | 66.37 | 73.93    | 78.07 |

## Specification

|                                 |  |
|---------------------------------|--|
| Operating Voltage               | 24VDC  |
| Operating Current               | ≤65mA  |
| Wiring                          | 24VDC power line, polarity-sensitive                     |
| Minimum Sound Level             | 75dB   |
| Flashing Frequency              | $1.4 \times (1 \pm 20\%) \text{Hz}$                      |
| Sound Pattern                   | 2.8kHz (400ms on/340ms off)                              |
| Ingress Protection Rating       | IP33   |
| Operating Temperature           | -10℃~+50℃  |
| Relative Humidity               | ≤95%, non condensing                                     |
| Material and Color of Enclosure | ABS, red (PANTONE 1795C)                                 |
| Dimension (L×W×H)               | Φ 110mm×97.5mm (deep base)<br>Φ 110mm×83mm(shallow base) |
| Mounting Hole Spacing           | 55mm~80mm  |
| Weight                          | About 345g (deep base),<br>About 317g(shallow base)      |

## Accessories and Tools

| Model  | Name | Remark              |
|--------|------|---------------------|
| C-94DB | Base | Supplied separately |

## Limited Warranty

GST warrants that the product will be free from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.