

Features

- ✧ High sound level.
- ✧ Circuitry and base are twisted together.
- ✧ Standard: EN 54-3.

Description

C-9404 Conventional Sounder is a kind of audible alarm device used to warn people in field when fire occurs. It can give audible 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 and Wiring

Terminals on the base are shown in Fig. 2.

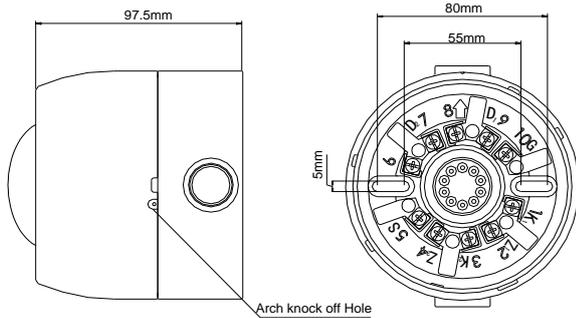


Fig. 1

Fig. 2

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

Recommended Wiring

1.5mm² or above fire cable for 24VDC power line, subject to local codes.

Installation

✧ When the sounder is inside the wall, it can be mounted on the electrical box, using a shallow base or a deep base. When the sounder is on the surface of the wall, it should be mounted on the locations where it is 0.2m from the ceiling, using a deep base only. Knock the knock-off hole (Fig. 1), then connect with the cable conduit. When using a deep base, refer to Fig. 2 for hole spacing and direction, and Fig. 3a and Fig. 4 for its mounting method. When using a shallow base, the sounder has to be mounted in the wall, shown in Fig.3b.

✧ The base and the sounder are twisted together. When mounting, remove the sounder, thread cables through the cable entry in the base and connect with corresponding terminals, then twist the sounder onto the base.



- ✧ If the sounder 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 special tools).

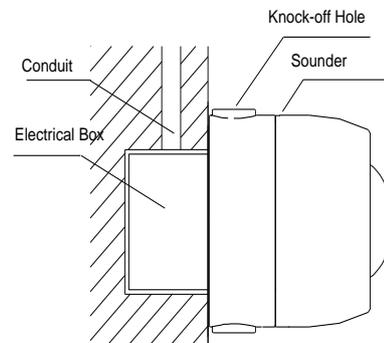


Fig. 3a

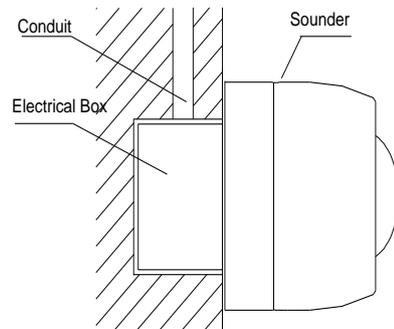


Fig. 3b

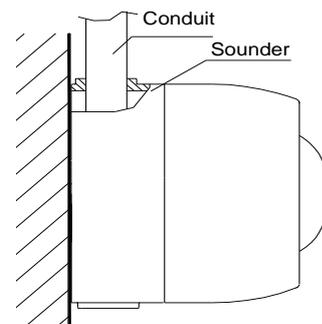


Fig. 4

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 should generate audible alarm. In normal monitoring state, there should be no voltage input.

Sound Level Data (Complies to EN54-3)

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

Accessories and Tools

Model	Name	Remark
C-94DB	Base	Supplied Separately

Specification

Operating Voltage	24VDC
Operating Current	≤65mA
Wiring	24VDC power line, polarity-sensitive
Sound Level	See the above sound level data table
Sound Pattern	2.8kHz (400ms on/340ms off)
Ingress Protection Rating	IP33
Operating Temperature	-10°C~+50°C
Relative Humidity	≤95%, non condensing
Material and Color of Enclosure	ABS, red (PANTONE 1795C)
Dimension (L×W×H)	φ 110mm×97.5mm (deep base) φ 110mm×83mm(shallow base)
Mounting Hole Spacing	55mm~80mm
Weight	About 345g (deep base), About 317g (shallow base)

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.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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