



## Conventional Fire Alarm Sounder



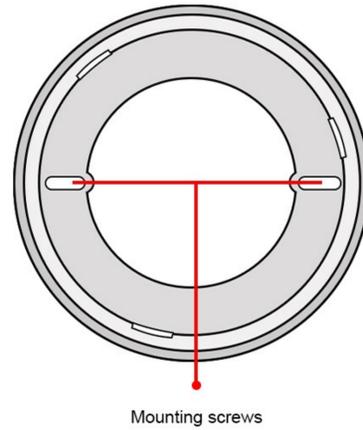
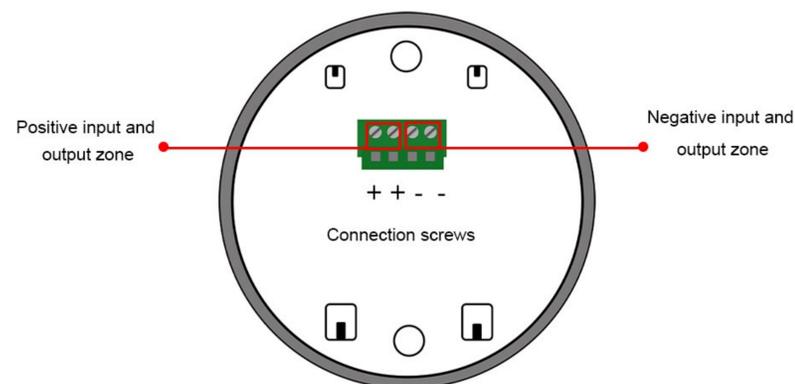
**TSF-90**

### Introduction

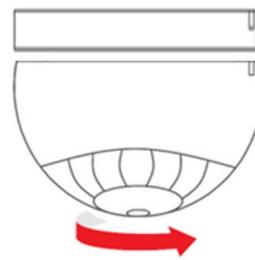
The TSF-90 Conventional Sounder is designed to provide suitable sound for indoor environments, serving as an audio notification for fire alarms and emergency situations in conventional fire alarm systems. According to the design of the TSF-90 sounder frame, this product is suitable for wall and ceiling installation.

### Installation and Wiring

Different parts of the base are shown in the picture below:



- ◆ Choose a suitable place for installing the device.
- ◆ Pass the sounder wires of the panel through the base.
- ◆ Mount the base to the wall using two screws.
- ◆ Connect the outgoing wires from the sounder terminal of the panel to the terminals on the sounder, considering their polarity.
- ◆ Place the conventional sounder body on the base in a way that the marking on the body aligns with the marking on the base.
- ◆ Rotate the body clockwise to lock.



### Testing

- ◆ Connect the TSF-90 to the sounder terminal of the SENS conventional fire alarm panel.
- ◆ Power on the conventional control panel.
- ◆ Put the panel in fire mode. If the sounder is not disabled by panel settings, the sounder will emit sound. After clearing the fire condition and resetting the panel by the user, the sounder will deactivate.

### Warranty

Make sure this device is only used with a compatible control panel and no destructive operations are performed on it otherwise, it will not be covered by the warranty. Products must be regularly inspected, serviced, and maintained to ensure proper functionality.

### Troubleshooting

In case of any issues with the conventional sounder, troubleshooting and repair of the parts must be done by the after-sales service department of SENS company, or an authorized representative recommended by the company.

### Technical Specifications

Design Standard	EN 54-3
Power Supply Voltage	27V
Stand by consumption	0
Alarm state current	15 mA
Operating Temperature	-10 to 70 °C
Humidity	95% (without condensation)
Type	Type A (For indoor use)
IP Protection	IP21
Sound output	80dB @ 1m
Frequencies Range	600Hz – 4KHz
Sound Mode	Dual Tone
Dimensions	75×100 mm
Weight	150gr

Conventional Sounder Diagram

