



Conventional Smoke Detector

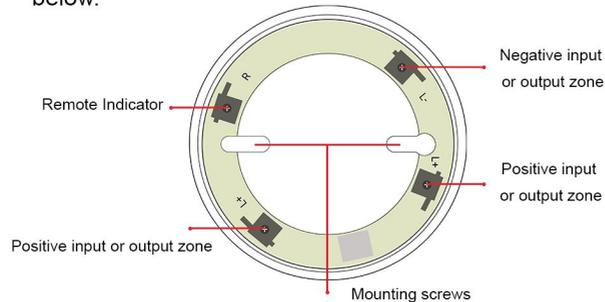


S6-CSD-250 Introduction

The S6-CSD-250 is smoke detector uses the idea of scattering IR light to detect different types of smoke, even with extremely fine particles. This detector is suitable for places where fires develop slowly, and the probability of smoke spreading is higher than flames.

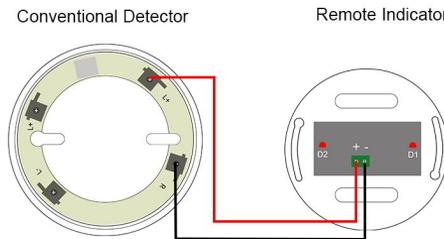
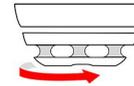
Installation and Wiring

The different parts of the base are shown in the figure below.



- ◆ Choose a suitable place for installing the detector.
- ◆ Pass the output wires of the conventional panel zone through the base and install the base on the ceiling using two screws.

- ◆ Connect the output wires of the zones to the metal contacts of the base according to their polarity as shown in the figure above.
- ◆ Ensure that the positive input and output wires are not connected to a common terminal. Connect them separately to the positive terminals as shown in the image above.
- ◆ The conventional detector can be connected to the conventional remote indicator. Refer to the diagram below to connect it to the remote indicator.
- ◆ Place the detector frame onto the base as shown in the image, aligning the markings on the frame with the markings on the base.
- ◆ Rotate the unit clockwise to lock it.



Testing

- ◆ Connect the detector to the terminal of the SENS conventional control panel.
- ◆ Power on the control panel.
- ◆ After the control panel identifies the detector, the LED indicator starts flashing.
- ◆ After the control center recognizes the detector, its indicator LED will start flashing.

- ◆ Spray smoke into the detector chamber using a smoke spray. The detector will send a fire alarm signal to the control panel, and the indicator LED will stay continuously lit until the panel is reset by the user.
- ◆ Disconnect the detector from the base in normal operating mode, the panel will trigger a fault alarm. After reassembly, the fault condition will be automatically cleared.
- ◆ A short circuit at the detector terminals will cause a fault condition on the panel.

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 fire alarm detector, 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 54-7
Operating Voltage	27V
Stand by consumption	35µA
Alarm state current	25mA
Operating Temperature	-10 to 70 °C
Humidity	95% (without condensation)
Dimensions	50×100 mm
Weight	120gr

Conventional system zone diagram

