

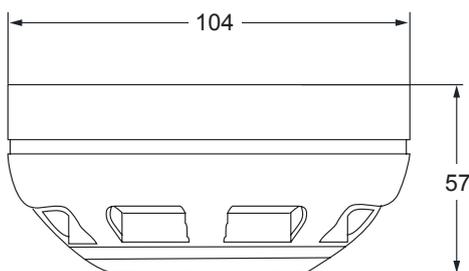
ST-P-OM OPTICAL SMOKE DETECTOR 12-24V



TECHNICAL DATA

Operating voltage:	12-24V DC
Operating current:	Approx. 0,05 mA
Alarm current:	Approx. 47 mA (at 22V)
Detector head:	White PC with metal net around the chamber
Base:	White PC
External LED output:	6V - 20 mA
Operating temperature:	-10°C to 55°C
Humidity:	Max. 95% RH
Fire alarm indication:	Red LED
Approvals:	EN 54-7
Weight:	Approx. 180g, incl. base
Protection:	Base IP22

DIMENSIONS (mm)



Mounting: 2 x M4 screws

ORDERING EXAMPLE

Article code	Description
ST-P-OM/I	Smoke detector head optical
STB-4SE-R/330	Base for smoke detectors ST-x 24V, deep with 330 Ohm resistor
STB-4SE-12VRL	Relay base for smoke detectors with closed-circuit relay, 12V
STB-4SE-24VRL	Relay base for smoke detectors with closed-circuit relay, 24V

GENERAL INFORMATION

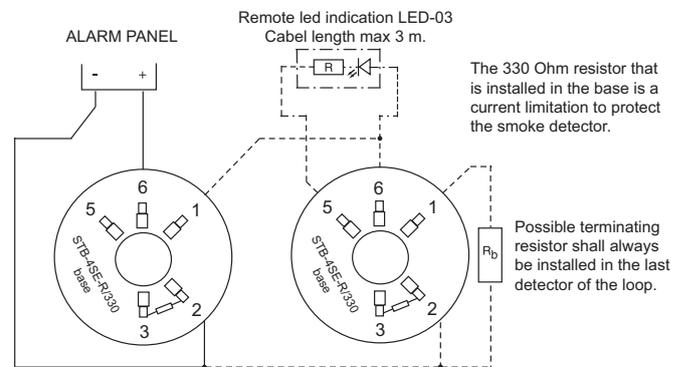
The detection chamber contains an emitter and a receiver. Normally the pulsed light-ray from the emitter does not reach the receiver. When smoke particles enter the chamber they will reflect the light-ray onto the receiver and an alarm is triggered.

The alarm is indicated by a red LED on the detector, and the alarm status continuous until manual reset is made on the control unit.

If the detector is contaminated, it will gradually go into an alarm position. In order to avoid nuisance alarms, the detector module ought to be cleaned once per year.

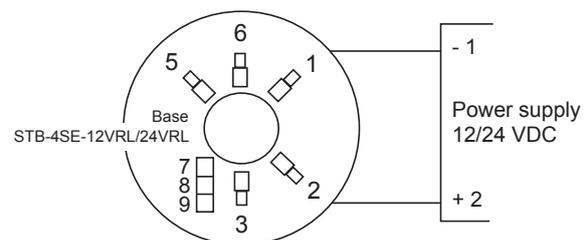
The detector is equipped with a bayonet mount, which makes it easy to fit and remove.

WIRING DIAGRAM



The base is provided with a resistor, 330 Ohm, which will limit the current in the loop to different models of fire alarm panels. The 330 Ohm resistor should not be taken away.

Wiring diagram for smoke detector ST-P-OM with relay base STB-4SE-12VRL or STB-4SE-24VRL.



The alarm relay outputs are shown in alarm/no power on condition. Alarm relay: Change-over potential free contact, max 24V, 1A.