

# Smoke Detector & Base



## Detector Operating Principles

### Principle of detection:

Photo-electric detection of light scattered by smoke particles over a wide range of angles. The optical arrangement comprises an infra-red emitter with a prism and a photo-diode at 90° to the light beam with a wide field of view.

### Flashing LED:

The integral LED flashes when the detector is in a standby mode.

## Technical Data

<b>Supply Voltage</b>	9 to 33 V dc
<b>Ripple Voltage</b>	2 V peak to peak max at 0.1 Hz to 100 kHz
<b>Power-up Time</b>	<20 seconds
<b>Alarm Current</b>	40 mA
<b>Material</b>	Detector and base moulded in white polycarbonate
<b>Terminals</b>	Nickel plated stainless steel
<b>Dimensions</b>	Detector 100 x 42 mm, Detector in Base 100 x 50 mm
<b>Weight</b>	Detector 99 g, Detector in base 150 g
<b>Temperature</b>	Operating temperature -20°C to +60°C (no condensation or icing)
<b>Humidity</b>	0% to 95% relative humidity (no condensation)
<b>Atmospheric Pressure</b>	Insensitive to pressure
<b>Wind Speed</b>	Insensitive to wind
<b>IP Rating</b>	IP23

## Accreditations



## Applications



**Smoke Ventilation**

## Product Codes

<b>OS2/OSLoop Smoke Detector Head</b>	ADA55000318
<b>OS2 Smoke Detector Base</b>	ADA45681245
<b>OSLoop Smoke Detector Base</b>	ADA45681200