

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 quiescent state.

Technical Data

Supply Voltage	9 to 33V dc
Ripple Voltage	2V peak to peak max at 0.1Hz to 100kHz
Power-up Time	<20 seconds
Alarm Current	40mA
Material	Detector and base moulded in white polycarbonate
Terminals	Nickel plated stainless steel
Dimensions	Detector 100 x 42mm, Detector in Base 100 x 50mm
Weight	Detector 99g, Detector in base 150g
Temperature	Operating temperature -20°C to +60°C (no condensation or icing)
Humidity	0% to 95% relative humidity (no condensation)
Atmospheric Pressure	Insensitive to pressure
Wind Speed	Insensitive to wind
IP Rating	23

Accreditations



Applications



Product Codes

Head Part No.	ADA 55000318
OS2 Base Part No.	ADA 45681245
OSLoop Base Part No.	ADA 45681200