

# Addressable Intelligent Optical Smoke Detector

Model - AA103SD



## Overview:

This detector is designed to detect smoke and provide the smoke level in its detection area. It communicates the value of the smoke, alarm status, contamination level, existence with the loop to the control panel. Also it allows the control panel to change its sensitivity, address, isolation, test, etc. This detector is suitable to provide an early response to a wide range of slow burning smoldering fires.

## Specifications:

### Electrical Specifications

Operating voltage	17-24V DC
Quiescent current	0.2 mA
Alarm current	1 mA

### Indications

Normal	Green LED (Blinks during scan)
Alarm	Red LED (Glows steady)

### General Specifications

Smoke sensitivity	0.5 - 3.5 %obs/foot
Operating temperature	0°C to 49°C
Storage temperature	5°C to 40°C
Humidity	0-95% RH (Non-condensing)
Color	White
Housing	Polycarbonate
Compatibility	ALAA2XV1 Protocol

### Mechanical Specifications

Dimensions(DiaxH)	Without Base	100x34mm
	With Base	100x46mm
Weight	Without Base	63g
	With Base	103g

## Features:

- Electronic addressing
- Contamination Alarm
- Dual bi-color LED indication for 360°C viewing angle
- Remote test facility from the panel
- Insect-resistant screening
- Low-profile design that blends with any environment
- Easy to maintain/service