



## CONVENTIONAL OPTICAL SMOKE DETECTOR

**Model no:AC103SD**

### Overview:

This detector is designed to detect the smoke particles caused by fire. It responds to a wide range of slow burning smoldering fire and suitable for conventional fire alarm application. We have used latest processor, algorithm, innovative engineering to achieve effective sensing, wide operating voltage with low standby current and high immunity to false alarm.

### SPECIFICATIONS

<b>Operating voltage</b>	<b>Nominal</b>	12/24V DC
	<b>Minimum</b>	7V DC
	<b>Maximum</b>	26V DC
<b>Maximum ripple voltage</b>	10% of peak-to-peak applied voltage	
<b>Quiescent current</b>	0.08mA	
<b>Alarm current</b>	21mA at 24V	
	18mA at 12V	
<b>Alarm indicator</b>	Red LED	
<b>Indication mode</b>	<b>Normal</b>	Blinks every 14sec
	<b>Alarm</b>	Steady glow
<b>Sensitivity</b>	Nominal alarm threshold of 0.13dB/m obscuration	
<b>Operating temperature</b>	-10°C to +60°C (Non-condensing or icing)	
<b>Storage temperature</b>	-30°C to +70°C (Non-condensing or icing)	
<b>Humidity</b>	0 to 95% RH (Non-condensing)	
<b>Dimensions(DiaxH)</b>	<b>Detector</b>	100x43mm
	<b>Detector with base</b>	100x51mm
<b>Weight</b>	<b>Detector</b>	74g
	<b>Detector with base</b>	116g
	<b>Base</b>	42g
<b>Detector housing</b>	White Polycarbonate	
<b>Terminals</b>	Brass with nickel plating	

### FEATURES

- Wide operating voltage
- Low standby current
- High immunity to false alarm
- Blinking LED for visual supervision
- Low-profile design that blends with any environment
- Easy to clean & install
- Insect-resistant screening

