

Wireless Addressable Smoke Detector

Model - AW103SD

Features:

- Ultra smoke sensitivity
- Automatic drift compensation
- Corrosion protection
- bi-colour LED to indicate healthy and alarm condition
- Dual LED for 360 deg viewing
- Low battery warning



Overview

The primary purpose of the AW103SD wireless addressable Smoke Detector is to detect the presence of smoke within its surveillance area. Once the smoke reaches the alarm threshold level, it promptly triggers an alarm signal to the fire panel.

This wireless device communicates with the control panel at a frequency of 433.92 MHz. The unit is powered by a built-in AA battery. When the battery power is low, it communicates with the control panel to alert for replacement. This unit is primarily used in situations where wiring is not feasible.

DATA SHEET

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Highlighted features of this detector include:

Ultra-sensitivity : This detector utilizes ultra-sensitive smoke sensor, which is capable of detecting smoke at very early stage of a fire.

Discrimination of dust contamination:

The detector can distinguish between dust contamination on the sensor chamber and the presence of actual smoke. This feature helps eliminate false alarms caused by contamination.

Electrical specifications

Operating voltage	3V DC
Quiescent current	3 μ A
Alarm current	1 mA
Battery type	2x1.5V AA size Battery
Carrier frequency	433.92 MHZ

General specifications

Smoke sensitivity	1+/- 0.3 %obs/ft.
Operating temperature	-10°C to 55°C
Storage temperature	-10°C to 60°C
Humidity	0-95% RH (Non-condensing)
Colour	White
Housing	Polycarbonate
Life time of battery	18 Months

Indications

Normal indicator	Green LED (Blinks 50+/-10 sec)
Alarm indicator	Red LED (Glows steady)