

## Wireless Addressable Multisensor

Model - AW103MD

### Features:

- Ultra smoke sensitivity
- Rate of rise and fixed temperature detection
- Automatic drift compensation
- Corrosion protection
- bi-colour LED to indicate healthy and alarm condition.
- Dual LED for 360 degree viewing
- Low battery warning



### Overview

The AW103MD Addressable Intelligent Multi-Sensor is equipped with both a built-in smoke sensor and a thermal sensor.

The smoke sensor is designed to detect the presence of smoke within its surveillance area. Once the smoke reaches the predetermined alarm threshold level, the sensor promptly triggers an alarm signal to the fire panel, ensuring a timely response to potential fire incidents. Similarly, the thermal sensor measures the temperature within its surveillance area. It is capable of detecting sudden rises in temperature or abnormal temperature levels. When such conditions are detected, the sensor triggers an alarm signal to the fire panel, alerting relevant personnel to take necessary action.

# DATA SHEET

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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 mainly used in situations where wiring is not feasible.

## Highlighted features of this multi-sensor include:

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

## Electrical specifications

Operating voltage	3V DC
Quiescent current	3 $\mu$ 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.
Thermal sensitivity	20°C to 60°C
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)