



# **EF-EN-AMSD**

## **ADDRESSABLE MULTI-SENSOR DETECTOR (SMOKE & HEAT)**



**CPR** **CE**



## Features

- EN54-7 certified, LPCB approved
- Low standby and alarm current
- Integral microprocessor
- Electronic addressing
- Optional Isolator & Sounder Beacon bases
- Polarity-insensitive connection
- 360 degree LED indicator
- Drift compensation

## Description

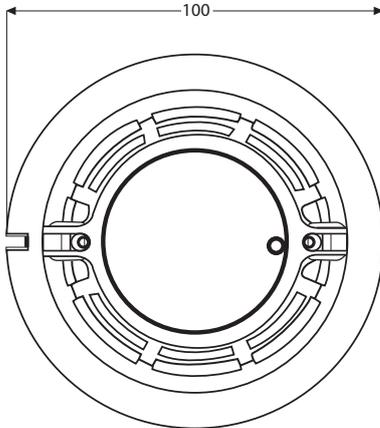
EKAVIS EF-EN-AMSD is a high-performance addressable multi-sensor detector incorporating both photoelectric smoke and rate-of-rise heat sensing technologies. Designed with a built-in microprocessor, it ensures accurate signal processing and seamless integration with the EKAVIS range of fire alarm control panels. Its intelligent dual-sensor design enhances detection reliability, allowing the detector to respond effectively to a wide range of fire types and environmental conditions.

EKAVIS EF-EN-AMSD combines the sensitivity of optical smoke detection with the precision of thermal sensing to provide fast and accurate fire identification. The optical sensor detects smoke particles from smoldering fires, while the heat sensor responds quickly to rapid temperature increases from flaming fires. Advanced algorithms analyze data from both sensors to distinguish genuine fire conditions from transient phenomena, reducing the risk of false alarms. A 360° LED indicator offers clear status visibility—blinking during normal operation and steadily illuminating red upon alarm activation. The detector is ideal for commercial and industrial environments where both smoke and heat monitoring are critical for reliable early warning.

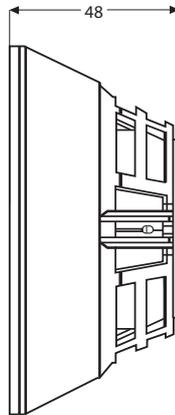
## Technical Specification

Standard	EN54-7
Operating Voltage	24V (20V~28V)
Standby Current	<0.4mA
Alarm Current	<1.5mA (without remote indicator) / <3.5mA (with remote indicator)
Fire LED	Red LED flashes in normal mode and stays on during alarm
Programming Mode	Electronically addressed
Address Range	One address within 1~324
Wiring	Polarity-insensitive two-wire
Operating Temperature	-15°C to +60°C
Humidity	≤95% (non-condensing)
Enclosure	PC+ABS
Dimension	φ100mm×~60mm (with the base)
IP Rating	IP30
Coverage Area	110 m <sup>2</sup> (subject to local standards)
Approximate Weight	123 g (with base)

## Appearance and Dimensions (mm)



Top

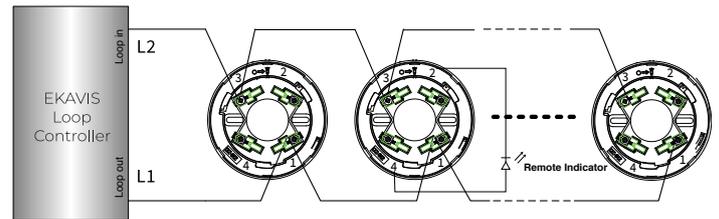


Side

## Wiring Diagram

The terminals L1 and L2 of the two-wire bus are connected with the terminals 1 and 3 of the matched mounting standard base.

A typical schematic diagram of the connection between multiple detectors with a fire alarm control panel is shown below.



## Ordering Information

EF-EN-AMSD

Addressable Multi-Sensor Detector

## Accessories

EF-EN-SB

Standard Base

EF-EN-IB

Isolator Base

EF-EN-SBB

Sounder Beacon Base

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