



EF-EN-AHD

**ADDRESSABLE
HEAT DETECTOR**



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

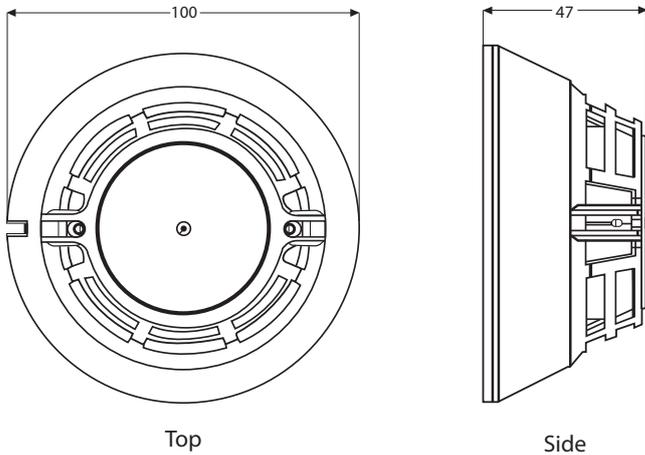
EKAVIS EF-EN-AHD is a point-type addressable heat detector equipped with a built-in microprocessor, designed for reliable operation with the EKAVIS range of fire alarm control panels. It provides continuous temperature monitoring and fast digital signal processing to ensure accurate and stable fire detection performance. The detector incorporates intelligent algorithms to minimize false alarms caused by transient environmental changes. Its robust design and high-quality sensing element ensure long-term stability and consistent response under varying site conditions.

EKAVIS EF-EN-AHD employs fixed temperature and rate-of-rise heat sensing technologies for rapid identification of abnormal thermal conditions. The sensing circuitry automatically compensates for ambient temperature variations, maintaining precise sensitivity throughout its service life. A 360° LED indicator offers clear status visibility—blinking during normal operation and steadily illuminating red upon alarm activation. Designed for demanding applications, the detector is ideal for environments where heat builds up quickly, such as kitchens, boiler rooms, generator rooms, drying areas and smoking rooms, providing dependable performance even in challenging conditions.

Technical Specification

Standard	EN54-7
Operating Voltage	24V (18V~28V)
Standby Current	<0.3mA
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 ² (subject to local standards)
Approximate Weight	115 g (with base)

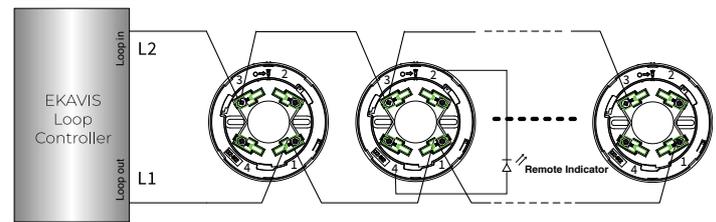
Appearance and Dimensions (mm)



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-AHD

Addressable Heat Detector

Accessories

EF-EN-SB

Standard Base

EF-EN-IB

Isolator Base

EF-EN-SBB

Sounder Beacon Base

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