

## Addressable multi-sensor detector (Smoke and heat detector)

Addressable multi-sensor detector (Smoke and heat detector) is a loop-connected fire detection device. Integrating an infrared photoelectric chamber and a thermistor sensor, it monitors both smoke and heat for fire warning.



- Certificate: LPCB approved
- Standard: EN 54-29
- Feature: 2-wire, addressable, LED indicator
- Material: ABS housing and base, white
- Temperature: -10°C to 50°C
- Humidity: 0% to 95%, non-condensing

### Available size

Operating voltage	Standby current	Alarm current	Smoke sensitivity lever	Heat detection class	Dimension Dia x H (mm)	Ref. No.
24 VDC	≤ 0.6 mA	≤ 4.0 mA	As per standard	A2R	100 x 57	AE1301 (LPCB)

**Note:** For heat detection class A2R, it means that the response temperature of the detector is min 54°C to max 70°C, with a rate-of-rise characteristic.

## Reflective beam smoke detector (EN 54)

Reflective beam smoke detector utilizes infrared beam attenuation for fire warning. Its transmitter projects infrared beam which is reflected by reflector placed on the opposing wall. Then receiver measures the backscattered light.



- Certificate: LPCB approved
- Standard: EN 54-12
- Feature: No address, or addressable (ISO)
- Material: ABS housing, with reflector
- Temperature: -10°C to 50°C
- Humidity: 0% to 95%, non-condensing

### Available size

Operating voltage	Alarm current	Smoke sensitivity lever	Beam pathway length	Reflector	Dimension W x H x D (mm)	Ref. No.
24 VDC	33 mA	1 to 3	Span 1 and 2	Mirror type, x 1	127 x 191 x 92	AE1401 (LPCB)
24 VDC	33 mA	1 to 3	Span 3 and 4	Mirror type, x 4	127 x 191 x 92	AE1402 (LPCB)

**Note:**

1. For sensitivity lever, it is available with 3 levers. Level 1 high 2.6 dB. Level 2 medium 3.8 dB. Level 3 low 5.8 dB.
2. Beam pathway length includes 4 spans. Span 1 limited 8 ~ 20m. Span 2 short 20 ~ 40m. Span 3 normal 40 ~ 70 m. Span 4 long 70 ~ 100 m.