



A50SI

SMOKE SENSOR WITH ISOLATOR



Addressable smoke sensor with isolator certified EN 54-7 and EN 54-17

The A50 family of detectors are based on a new refined aesthetic that integrates the latest electronic technology with new, more efficient detection algorithms and a three-dimensional design that makes it more robust against environmental dirt.

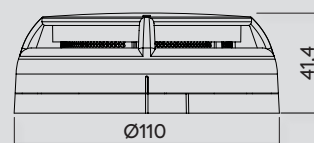
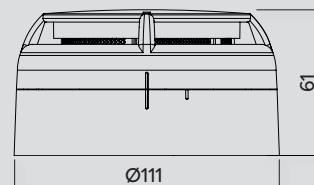
The A50 family allows multiple combinations between smoke and heat detection, CO sensor and short-circuit isolator with UL certification.

The A50SI model is a detector that has a smoke sensor. The A50SI model incorporates a short-circuit isolator.

The smoke sensor is specially designed to detect the presence of combustion aerosols in a three-dimensional design that makes it more robust against dirt.

FEATURES

- Smoke sensor.
- Short-circuit isolator incorporated.
- Low profile, total height less than 42 mm (including low base).
- Also available with high base for 20 mm tube.
- Possibility of connection to a remote action indicator.
- Easy connection (and A50S without polarity).
- Bi-colour red and yellow LED.
- Indication, by means of the red LED, of the communication with the control panel (single flashing), as well as of the alarm status (LED on).
- Indication, by means of the yellow led (single flash), of the activation of the short-circuit isolator or the lack of communication with the control panel.
- Signalling of the dirty state of the sensor on the control panel display (the sensor allows to differentiate between rapid signal increases due to alarm and small, slow and sustained increases due to the accumulation of dust and dirt).
- Easy installation head and base, interchangeable throughout the A50 family, and made of white heat-resistant ABS.
- UL certificate according to EN 54-7 and EN 54-17 Standard with CE marking according to the European Regulation on Construction Products (EU) N° 2024/3110.



TECHNICAL FEATURES

Power supply	24 - 35V	Humidity	20 - 95%RH
Standby current	300µA	Application temperature	-10°C - +50°C
Alarm current	2mA	Storage temperature	-10°C - +55°C
Activation signal	Red light	Sensitivity	EN 54-7
Remote indicator output	Yes	IP protection	IP20
Coverage area	104m ² (subject to local regulation)	Installation height	15m (subject to local regulation)