



A50xxLD

DETECTORS WITH LIGHT AND SOUND



Algorithmic detectors with light and acoustic alarm certified EN 54-23 and EN 54-3

A50 family fire sensor with additional functionality of visual alarm device (Light) and fire sounder (sound) integrated in a single device.

Within the A50 range, multiple combinations of optical, heat, optical-heat and UL-certified short-circuit isolator detection are possible.

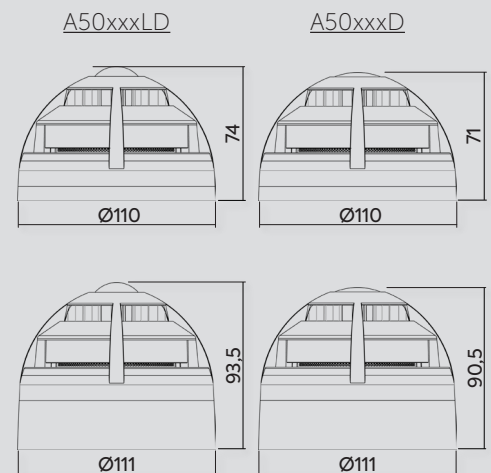
To these functionalities can be added the visual alarm device functionality (A50xxL) based on EN 54-23, the fire sounder functionality (A50xxD) based on EN 54-3, or both (A50xxLD).

The different models are:

A50SHILD: A50SHI with light and sound
 A50SILD: A50SI with light and sound
 A50HILD: A50HI with light and sound
 A50SHID: A50SHI with sound
 A50SID: A50SI with sound
 A50HID: A50HI with sound
 A50SHIL: A50SHI with light
 A50SIL: A50SI with light
 A50HIL: A50HI with light

FEATURES

- Different models with optical, heat or optical-heat sensor.
- Built-in short-circuit isolator.
- Low-profile base (not included).
- Capacity of up to 64 devices per loop in Lyon control panel.
- The control panel allows setting the optical and acoustic alarm output with two different intensity levels for rooms of 21 or 30 m².
- Possibility of connection to a remote action indicator.
- Easy to connect.
- Red and yellow bicolor LED.
- Indication, by the red LED, of the communication with the control panel (single flashing), as well as of the alarm status (LED on).
- Indication, by the yellow LED (single flashing), of the activation of the short-circuit isolator or the failure to communicate with the control panel.
- Indication of the sensor's dirt status on the control panel display (the sensor can differentiate between rapid signal increases due to alarms and small, slow, sustained increases due to accumulation of dust and dirt).
- Easy-to-install head and base, interchangeable on the entire A50 range, made of heat-resistant white ABS.
- UL certified according to EN 54-5 class A2R, EN 54-7, EN 54-17, EN 54-3 and EN 54-23 with CE marking according to the European Construction Products Regulation (EU) N° 2024/3110.



TECHNICAL FEATURES

Supply	18 - 30V	Sound power	high level: 87 dB-1m; Tone sweep 1s 2650-3000Hz
Standby current	0,35mA		mid level: 84 dB-1m; Tone sweep 1s 2650-3000Hz
Alarm current	15mA	Visual device	high level: C-3-7,65 0,5 Hz with synchronised pulses (equivalent to 30 m ² rooms)
Operative temperature	-10°C - +50°C		mid level: C-3-6,5 0,5 Hz (equivalent to 30 m ² rooms)
Dimensions (without base)	Ø109x63 (A50xxLD) Ø109x66 (A50xxD)		
IP protection	IP21C		
Certification (light and sound)	EN 54-23 and EN 54-3		