KL731A

KILSEN KA700 Series addressable optical smoke detector

Product overview

The KL700A series detectors use an enhanced protocol that ensures the overall integrity and error free operation of the system. All detectors are compatible with a standard base and support the connection of a remote indicator.

KL710A heat detector

An alarm is raised when the temperature exceeds a fixed temperature or the rate-of-rise of temperature is exceeded. It is used where a fire could cause an abrupt elevation of the temperature, or where smoke of controlled combustion, aerosols, etc. do not allow the use of any other type of detector.

KL731A/B optical smoke detectors

The Tyndall optical effect of smoke in a chamber is used to detect a fire. It is used in areas where possible combustible materials, like plastics, polystyrene, PVC, etc., generate visible smoke.

For installations with false ceilings or black ceilings where detectors should not be visible, this device is also available in black with a black detector base.

The addressable optical detector is available in either white or black colours.

KL735A dual detector

Dual technology (one photoelectric and two heat sensors) is used for accurate detection of various types of fires. The heat detection is based on a fixed and rate-of-rise response whilst the photoelectric sensor uses the Tyndall optical effect.

User friendly

Detectors are identified by soft addressing. The address is stored in flash memory and eliminates the risk of addresses being changed without authorization. Other addressable accessories include conventional zone monitors, various in- and output units, sounder controllers, manual call points and isolators.



Details

- Remote signalling capabilities
- Easy soft addressing (1-125)
- SMD technology
- Reliable communication protocol
- Full diagnostic self testing
- Full range: Optical and Heat and Dual detectors (optical/heat)
- Full range of supporting I/O units and accessories
- EN54 approved and CPR certified

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Technical specifications

General

Status indication	Red (dual LED, alarm)
Compatibility	Kilsen addressable fire systems
Alarm levels	Configurable
Connectivity	2-wire loop
Addressing method	Electronic

Electrical

Power supply type	Loop powered
Operating voltage	22 to 38 VDC
Current consumption	350 µA (quiescent @ 38 VDC) <11 mA (in alarm)

Detection

Detection principle	Optical, light scatter
Monitoring	Alarm threshold, Contamination level, Continuously self-checking
Coverage area	60 to 80 m²

Output

Output quantity	1
Output type and rating	Remote indicator

Physical

Physical dimensions	45 x 99 mm (H x Ø)
Net weight	107 g
Colour	White (RAL 9010-P)
Mounting type	Base mount, Wall mount

Environmental

Vandal proof	No
Operating temperature	-10 to +60°C
Storage temperature	-10 to +70°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP42

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-7

Compatible products

Category	Reference	Description
Detection device	KZ700	KILSEN KC700 series standard point detector base
Detection device	KZ705	KILSEN KC700 / KA700 series standard point detector base
Notification device	PA25/3L	Conventional remote indicator

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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