KL731

KILSEN KC700 Series conventional optical smoke detector

Product overview

The KL731 is a conventional optical smoke detector.

With outstanding performance, efficiency and durability, the KL700 series conventional fire detectors is the ideal solution for every installation. They are designed specifically for use with Kilsen conventional fire panels, but may also be connected to most 3rd party industry standard conventional fire panels.

A fire detector for every need

With an attractive design and advanced features, these fire detectors have been designed to cope with difficult and even extreme situations. The series comprises a range of detectors including optical and heat detectors, supporting a universal base that suits every application.

A range of bases are available in standard and deep base variants, including relay bases for low voltage (12 VDC) applications and even supports a base variant that compensates for uneven mounting surfaces.

All bases are provided with an integral locking mechanism for extra security, and all detectors support the connection of a remote indicator.

KL731 photoelectric smoke detector

These detectors use the Tyndall effect of smoke in the chamber to detect a fire. It can detect a smouldering fire (without flames). The KL731 detectors are normally used in areas where possible fires generate visible smoke e.g. plastics, polystyrene, PVC, etc.



Details

- An ultra-fine grid prevents the ingress of dust and insects in smoke detectors
- Attractive, low-profile design
- EN54 approved and CPR certified
- Innovative base option to compensate for uneven surfaces

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Technical specifications

General

Status indication	Red (dual LED, alarm)
Compatibility	Kilsen conventional fire systems
Alarm levels	1
Connectivity	2-wire zone

Electrical

Power supply type	12 VDC, Zone powered
Operating voltage	9 to 28 VDC
Current consumption	Quiescent at 24 VDC, 85 µA Alarm at 24 VDC, <100 mA

Detection

Detection principle	Optical, light scatter
Monitoring	Alarm threshold
Zone length	< 1.5 km, 20 devices

Output

Output quantity	1
Output type and rating	Remote indicator, <100 mA

Physical

Physical dimensions	45 x 99 mm (h x Ø)
Colour	White (RAL 9010-P)
Mounting type	Base mount, Wall mount

Environmental

Vandal proof	No
Operating temperature	-10 to +70°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	KZD705	Kilsen KC700 / KA700 / KM300 series deep point detector base
Notification device	PA25/3L	Conventional remote indicator

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