



## KL731

Optical detector, conventional (with field exchangeable optical block)

### General

Of outstanding performance, efficiency and durability, the 700 series fire detectors are the ideal solution for conventional installations. They are designed specifically for use with the Kilsen NKB600, NK600 and NK700 series conventional fire panels, but are also compatible with most 3rd party industry standard conventional control panels.

### A fire detector for every need

With an attractive design and advanced features, these fire detectors has been specifically designed to cope with difficult and even extreme situations. The series comprises a range of detectors including ionisation, optical and heat detectors, with a universal base that suits every application and even compensates for uneven surfaces. All bases are provided with an integral locking mechanism for extra security, and all sensors support the connection of a remote indicator.

### KL731 Photoelectric Smoke Sensor

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

The KL731 boasts a field exchangeable optical chamber. A simple recalibration using the KCT731 returns the maintained detector to normal operating conditions as if it was brand new.



### Standard Features

- An ultra-fine grid prevents the ingress of dust and insects in smoke detectors
- Attractive, low-profile design
- EN54 approved
- Innovative base compensates for uneven surfaces
- Field exchangeable optical chamber for ease of maintenance

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## Specifications

<b>Operating voltage</b>	9 to 28 VDC
<b>Current consumption</b>	
Quiescent at 24 VDC	85 A
Alarm at 24 VDC	< 100 mA
<b>Radio-active source</b>	
<b>Average activity</b>	
<b>Remote alarm output</b>	< 100 mA
<b>Heat specification</b>	
<b>Operating temperature</b>	-10 °C to +70 °C
<b>Storage temperature</b>	-10 °C to +70 °C
<b>Humidity (non-condensing)</b>	95%
<b>IP rating</b>	IP43
<b>Number of detectors per zone</b>	20
<b>Recommended protection resistor</b>	300 ohm
<b>Dimensions (h x Ø)</b>	
Head	45 mm x 99 mm
Base	24 mm x 103 mm
<b>Approvals*</b>	EN54 (BOSEC)
* Check current status with local office	

## Ordering Information

Part No.	Description
KL731	Optical detector, conventional (with field exchangeable optical block)
KOB700	Replacement Optical Chamber for KL731/A & DP331I/1561 detectors
KZ700	Universal fire detector base
KZ705	Universal fire detector base with earth connection
KZ705D	Conventional fire detector base with diode
KZ705R	Conventional 12 VDC fire detector base with relay
PA25/3L	Low current remote LED indicator

