

# KL731B

## KL700 Series Conventional Optical Detector (Black)

### General

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 the Kilsen NKB600 and NK700 series 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, the KL700 Series has been specifically designed to cope with difficult and even extreme situations. The range includes ionisation, optical and heat detectors with a universal base that suits every application and even compensates for uneven surfaces. All detectors support an integral locking mechanism for extra security as well as the connection of a remote indicator.

### KL700 Ionisation Smoke Detector

This detector uses an imbalance of its ionisation chambers to detect a fire. It detects a fire in its early stages where it could still be without flames. They are normally used in clean, high-risk environments where smoke with small particles (visible or not) could be present.

### KL710 Heat Detector

This detector raises an alarm when the temperature exceeds a fixed temperature level or when the programmed rate of the increase of temperature is exceeded. They are 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.



### Standard Features

- An ultra-fine grid prevents the ingress of dust and insects in smoke detectors
- Attractive, low-profile design
- EN54 certification marks (\*)
- Field exchangeable optical chamber for ease of maintenance
- Black colour

## Specifications

<b>Operating voltage</b>	9 to 28 VDC
<b>Current consumption</b>	
Quiescent at 24 VDC	85 mA
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>	IP42
<b>Number of detectors per zone</b>	20
<b>Dimensions (h x Ø)</b>	
Head	45 mm x 99 mm
<b>Approvals*</b>	EN54 (BOSEC)
* Check current status with local office	

## Ordering Information

Part No.	Description
KL731B	KL700 Series Conventional Optical Detector (Black)
KOB700	Replacement Optical Chamber for KL731/A & DP331/1561 detectors
PA25/3L	Low current remote LED 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). 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. Easy recalibration using the KCT731 returns the maintained detector to normal operating conditions as if it was new.

