



Kilsen
by UTC Fire & Security

Product Data Sheet

KL731AB

KL700A Series Addressable 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

- Remote signalling capabilities
- Field exchangeable optical chamber
- Easy soft addressing (1-125)
- SMD technology
- Reliable communication protocol
- Full diagnostic self testing
- Full range: Ionisation, Optical and Heat and Dual sensors (optical/heat)
- Full range of supporting I/O units and accessories
- EN54 Approved
- Black Colour

Specifications

Operating voltage	22 to 38 VDC
Current consumption	
Quiescent @ 38 VDC	350 →A
In alarm	< 11 mA
Alarm indication (Dual LED)	Red
Remote alarm output	Available
Environment	
Storage temperature	-10°C to +70°C
Operating temperature	-10°C to +60°C
Humidity (non condensing)	95%
IP rating	IP42
Radioactive source	NA
Dimensions (h x Ø)	45 x 99 mm
Weight	107 g
Coverage	60 to 80 m+

Ordering Information

Part No.	Description
KL731AB	KL700A Series Addressable Optical Detector - BLACK
KOB700	Replacement Optical Chamber for KL731/A & DP3311/1561 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.

