

KL710

KL700 Conventional Temperature Detector Class A2R

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

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

Specifications

Operating voltage	18 to 28 VDC
Current consumption	
Quiescent at 24 VDC	70 μ A
Alarm at 24 VDC	< 100 mA
Radio-active source	NA
Average activity	NA
Remote alarm output	< 100 mA
Heat specification	Class A2R (60°C and 8°C/min)
Operating temperature	-10 °C to +70 °C
Storage temperature	-10 °C to +80 °C
Humidity (non-condensing)	95%
IP rating	IP42
Number of detectors per zone	20
Dimensions (h x \varnothing)	
Head	45 mm x 99 mm
Approvals*	EN54 (BOSEC)
* Check current status with local office	

Ordering Information

Part No.	Description
KL710	KL700 Conventional Temperature Detector Class A2R
KZ700	Kilsen KL700 Series Universal Fire Detector Base
KZ705	Kilsen KL700A Series Universal Fire Detector Base
KZ705D	Conventional Fire Detector Base with Diode
KZD705	Universal Detector Deep Base with Earth Connection
S700	Surface Mount Accessory for KZ700 and KZ705 Series Bases
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.