

KL731A

KL700A Series Addressable Optical Detector
(with field exchangeable chamber)

General

The KL700A Series detectors use an enhanced protocol that ensures the overall integrity and error free operation of the system. All detectors are compatible with a standard base and support the connection of a remote indicator.

KL700A Ionisation Smoke Detector

Dual ionisation chambers detect fire in its early stages. It is normally used in clean, high-risk environments where smoke with small particles (visible or not) could be present.

KL710A Heat Detector

An alarm is raised when the temperature exceeds a fixed temperature or the rate-of-rise of temperature is exceeded. It is 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.

KL731A Optical Smoke Detector

The Tyndall optical effect of smoke in a chamber is used to detect a fire. It is used in areas where possible combustible materials, like plastics, polystyrene, PVC, etc., generate visible smoke.

KL735A Dual Detector

Dual technology (one photoelectric and two heat sensors) is used for accurate detection of various types of fires. The heat detection is based on a fixed and rate-of-rise response whilst the photoelectric sensor uses the Tyndall optical effect.

User Friendly

Detectors are identified by soft addressing. The address is stored in flash memory and eliminates the risk of addresses being changed without authorization. The accessories include conventional zone monitors, extinguishing control units, various in- and output units, sounder controllers, manual call points and isolators.



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 microA
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 ²

Ordering Information

Part No.	Description
KL731A	KL700A Series Addressable Optical Detector (with field exchangeable chamber)
K0B700	Replacement Optical Chamber for KL731/A & DP331I/1561 detectors
KZ705	Kilsen KL700A Series Universal Fire Detector Base
KZ705I	Kilsen Addressable Fire Detector Base with Isolator
KZ715AS	Kilsen Addressable Fire Detector Base with Sounder
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

