

# KL731A

## KL700A Series Addressable Optical Detector

### General

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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.

### KL710A Heat Detector

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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/B Optical Smoke Detectors

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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.

For installations with false ceilings or black ceilings where detectors should not be visible, this device is also available in black with a black detector base.

The addressable optical detector is available in either white or black colours.

### KL735A Dual Detector

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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

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



### Standard Features

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- Remote signalling capabilities
- Easy soft addressing (1-125)
- SMD technology
- Reliable communication protocol
- Full diagnostic self testing
- Full range: Optical and Heat and Dual detectors (optical/heat)
- Full range of supporting I/O units and accessories
- EN54 Approved and CPR Certified

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## KL700A Series Addressable Optical Detector

### Specifications

Operating voltage	22 to 38 VDC
Current consumption	
Quiescent @ 38 VDC	350 $\mu$ 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
Max. humidity (non condensing)	95%
IP rating	IP42
Dimensions (h x $\varnothing$ )	45 x 99 mm
Weight	107 g
Coverage	60 to 80 m <sup>2</sup>
Colour	White RAL9010-P

### Ordering Information

Part No.	Description
KL731A	KL700A Series Addressable Optical Detector
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
PG700N	Kilsen Series Fire Detector Programmer and Test Unit