# KL731A

## KILSEN KA700 Series addressable optical smoke detector

### Product overview

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

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

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

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. Other addressable accessories include conventional zone monitors, various in- and output units, sounder controllers, manual call points and isolators.



### Details

- 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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## KILSEN KA700 Series addressable optical smoke detector

## Technical specifications

### General

| | |
|---|---|
| Status indication | Red (dual LED, alarm) |
| Compatibility | Kilsen addressable fire systems |
| Alarm levels | Configurable |
| Connectivity | 2-wire loop |
| Addressing method | Electronic |

### Electrical

| | |
|---|---|
| Power supply type | Alimentato ad anello |
| Operating voltage | 22 to 38 VDC |
| Current consumption | 350 µA (quiescent @ 38 VDC)<br><11 mA (in alarm) |

### Detection

| | |
|---|---|
| Detection principle | Optical, light scatter |
| Monitoring | Alarm threshold, Contamination level, Continuously self-checking |
| Coverage area | 60 to 80 m² |

### Output

| | |
|---|---|
| Output quantity | 1 |
| Output type and rating | Remote indicator |

### Physical

| | |
|---|---|
| Physical dimensions | 45 x 99 mm (H x Ø) |
| Net weight | 107 g |
| Colour | Bianco (RAL 9010-P) |
| Mounting type | Montaggio su base, Vægmontering |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +60°C |
| Storage temperature | -10 to +70°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indendør |
| IP rating | IP42 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | CPR |
| Standards | EN54-7 |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | KZ700 | KILSEN KC700 series standard point detector base |
| Detection device | KZ705 | KILSEN KC700 / KA700 series standard point detector base |
| Notification device | PA25/3L | Conventional remote indicator |

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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