

KL731A

KL700A Series Addressable Optical Detector

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.

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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Technical specifications

General

| | |
|-------------------|-----------------------|
| Status indication | Red (dual LED, alarm) |
|-------------------|-----------------------|

Electrical

| | |
|---------------------|--|
| Operating voltage | 22 to 38 VDC |
| Current consumption | 350 μ A (quiescent @ 38 VDC) < 11 mA (in alarm) |

Detection

| | |
|---------------|-------------------------|
| Coverage area | 60 to 80 m ² |
|---------------|-------------------------|

Output

| | |
|---------------------|-----------|
| Remote alarm output | available |
|---------------------|-----------|

Physical

| | |
|---------------------|--------------------|
| Physical dimensions | 45 x 99 mm (H x Ø) |
| Net weight | 107 g |
| Colour | White (RAL 9010-P) |

Environmental

| | |
|-----------------------|------------------------|
| Operating temperature | -10 to +60°C |
| Storage temperature | -10 to +70°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP42 |

Standards & regulation

| | |
|---------------|--------|
| Certification | EN54-7 |
|---------------|--------|

