KAL714C

Kilsen Addressable Zone Monitoring Units - 4 Zones

General

The KAL700 series modules include a complete range of interfaces developed for I/O control on addressable fire systems running Kilsen protocol, housed in easy to install, IP55 housings. These modules allow the fire system to perform additional building management functions during fire situations. 125 I/O addresses are available on every fire panel loop in addition to 125 fire detector addresses.

KAL700 Conventional Zone Monitors

The KAL710 allows for the connection of one, the KAL714C up to four, conventional fire detector zones to the addressable fire system loop. Up to 20 conventional detectors or up to 32 conventional manual call points may be connected to every zone. These units allow differentiation of call point alarms from detector alarms for mixed zone applications.

The KAL710 and KAL714C provide power to the fire detector zone(s) from an external 24 VDC source, and digitally communicate the status of every zone to the fire panel. A LED on every module indicates the alarm and communication status of the module locally.

Installation

The KAL700 Series is designed for surface mount installation. Addressing on the modules is done via easy to use DIP switches.

Applications

The KAL710/KAL714C zone monitoring units are normally used in situations where an area to be covered does not require any sub-divisions or does not require a particular fire point recognition.

They may also be used for retrofit installations where a conventional system is replaced by an addressable system during a phased upgrade i.e. where not all conventional detectors are replaced immediately by addressable devices. Existing conventional devices may in these cases still be used with the new Kilsen addressable system.

The KAL710/KAL714C is designed to be used with Kilsen conventional detectors, but may also be used as an interface to connect with other compatible, industry standard, conventional detectors.



Details

- EN54:18 and CPD certified
- Surface mount with high IP rating for increased protection
- Easy addressing
- Externally powered for reduced loop current
- Local alarm and communications indication
- Full supervision of four conventional fire zones
- Part of a family of I/O modules consisting of: -Conventional zone monitors -Digital input modules -Loop Isolators -Manual call points -Relay and supervised output units -Fire door controllers

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Technical specifications

General

Status indication	LEDs
Compatibility	Kilsen KL7A systems

Electrical

Power supply type	24 VDC
Operating voltage	22 to 38 VDC
Current consumption	110 µA @ 24 VDC from the loop (Quiescent) 135 µA @ 35 VDC from the loop (Quiescent) < 5 mA from the loop (Alarm) 200 µA @ 24 VDC external (Quiescent) < 360 mA external (Alarm)

Input

Input quantity	4
Input type and rating	Supervised conventional zones
Termination resistor	4.7 kΩ

Physical

Physical dimensions	223 x 173 x 80 mm
Net weight	835 g
Colour	Grey
Mounting type	Surface mount
Cable entries	10

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Storage temperature	-10 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP55

Regulatory

Compliancy	CE, REACH, RoHS 2, WEEE
Certification	CPR
Standards	EN54-18

Compatible products

Category	Reference	Description
Interface unit	KAL710	Kilsen Addressable Zone Monitoring Units - 1 Zone
Interface unit	KAL730	Kilsen Addressable Relay Output Module - 1 Output
Interface unit	KAL734C	Kilsen Addressable Relay Output Module - 4 Outputs
Interface unit	KAL740	Kilsen Addressable Supervised Relay Output Module - 1 Output
Interface unit	KAL760	Kilsen Addressable Input Module - 1 Input
Interface unit	KAL775	Loop Isolation Module

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Last updated on 6 October 2026 - 9:36