KAL775

Loop Isolation Module

General

The KAL700 Series modules include a complete range of interfaces developed for I/O control on older KSA700 and new KFP-A addressable fire systems from Kilsen, installed 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 Loop Isolators

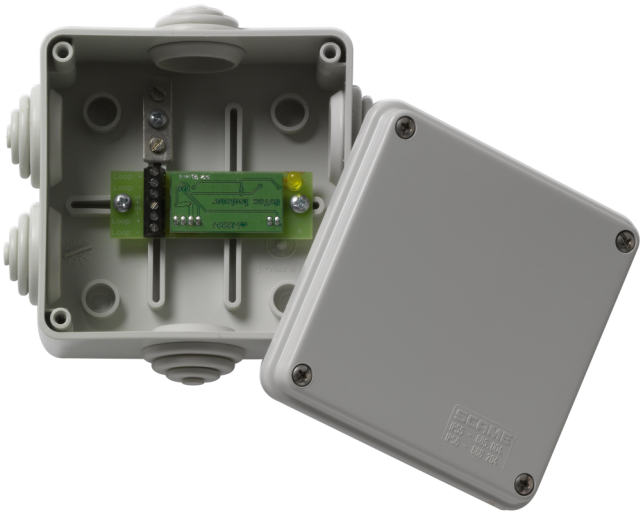
The KAL775 is a loop isolator for KSA700/KFP-A fire systems. It isolates the part of the loop cable with the short circuit or loop overload problem to allow the remainder of the devices on the loop to function normally. The KAL775 does not require an address on the loop. A local LED indicator warns of an isolated condition, and the unit automatically resets when the short circuit condition on the loop is removed.

Installation

Because the KAL775 does not require an address on the loop, it does not prohibit installation of the full 250 devices (125 sensors and 125 I/O units) allowable on the loop. It is designed for surface mount applications. An LED indication on the unit indicates that the isolation is in effect for easy fault finding.

Applications

The KAL775 is designed for use as a protection against short circuits or overloads on the KSA700/KFP-A fire panel loops. According to regulations, an isolator should always separate two fire zones, and no more than 32 devices may be connected between two isolator modules.



Details

- EN54:17 and CPR certified
- Surface mount
- Requires no device address
- Loop powered
- Protects the loop against short circuit conditions
- Local status indication
- Automatic reset
- Part of a family of I/O modules consisting of: -Conventional zone monitors -Digital input modules -Extinguishing control modules -Manual call points -Relay and supervised output units -Fire door controllers
- Dual isolation means no device lost in case of a short circuit

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Technical specifications

General

Status indication	LED

Electrical

Power supply type	Loop powered
Operating voltage	22 to 38 VDC
Current consumption	2 mA (Normal operation) 10 mA (Active)

Isolation

Loop current	2
Series resistance	0.37Ω
Switch current	<800 mA
Leakage current	8 mA
Isolation voltage	15 to 38V
Reconnect voltage	15 to 38V

Physical

Physical dimensions	132 x 132 x 59 mm (l x w x h)
Net weight	165 g
Colour	Grey
Mounting type	Surface mount
Cable entries	6

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	EN54-17

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