



KAL470

Isolator Module

General

The 400 series modules consist of a complete range of interfaces developed for input/output control in the KSA700/FP1500 analogue fire systems from GE Interlogix. The KAL470 is an isolator module in this series that isolates the faulty zone on a fire panel loop during short circuit conditions. The KAL470 does not use an address on the loop.

Application

The KAL470 is designed for use as a protection against short circuits on the KSA700/FP1500 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.

Installation

Because the KAL470 does not require an address on the loop, it does not prohibit installation of the full 250 devices (125 sensors and 125 I/O modules) allowable on the loop. It will disconnect (isolate) the loop in case of a short circuit or over current fault, allowing the remainder of the loop (the sections outside of the problem area), to function normally.

The KAL470 has been designed for surface mount applications. An LED indication on the unit will indicate that the isolation is in effect.

The unit will automatically reset when the over current fault or the short circuit has been removed.



Standard Features

- **Requires no device address**
- **Automatic reset**
- **Local status indication**
- **Surface mount**
- **Part of family of I/O modules consisting of:**
 - Conventional Zone Monitors
 - Digital Input Modules
 - Extinguishing Control Modules
 - Isolator Modules
 - Manual Call Points
 - Output Units
 - Retention Units
 - Supervised Output Units for sounder control

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Specifications

Supply voltage	22-38 VDC
Current consumption	
Quiescent @ 24 V	110 A
Quiescent @ 35 V	135 A
Alarm	10 mA
Aux. supply (24 VDC) quiescent	NA
Aux. supply (24 VDC) alarm	NA
End-of-line resistor	NA
Relay contact rating	NA
Environmental	
Storage temperature	-10 °C to +50°C
Operating temperature	-10 °C to +50°C
Relative humidity	95 % (non condensing)
Dimensions (L x W x H)	75 x 45 x 28 mm

Ordering Information

Part No.	Description
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GE Security

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