



## KAL440

### Supervised Relay Module

#### General

The 400 Series consists of a complete range of interfaces developed for input/output control in the KSA700/FP1500 analogue fire systems from GE Interlogix. The KAL400 I/O modules in this series allow for the monitoring of third party inputs and the control of third party output equipment directly from the GE-Interlogix analogue addressable fire panel loop. Up to 125 400-series devices may be installed on every loop. Device addressing is done via easy to use DIP switches.

#### KAL430/KAL434 Relay Output Modules

The KAL430 provides for one, the KAL434 for four, potential free relay outputs directly from the fire system loop. Each relay allows for COMMON, NORMALLY OPEN and NORMALLY CLOSED contacts.

The KAL430 series outputs may be used to activate ventilation control, door control, warning signs, activation of third party alarm devices etc. during fire conditions.

#### KAL440 Supervised Output Module

This module allows for the control and supervision of a single, 24 VDC output on the fire system loop.

The KAL440 is normally used to control sounders in case of fire conditions, but may also be used to switch any output considered crucial enough to have the cable integrity between the control unit and the activating unit continuously monitored for open and short circuit conditions..

#### KAL460 Digital Input Module

This unit provides a remote input point for monitoring on the fire system loop.

The KAL460 is normally used for monitoring any NORMALLY OPEN or NORMALLY CLOSED potential free contact, such as pressurisation equipment or fire doors. The status change of this input will be reported on the fire panel.

#### KAL490 Retention Module

This module simultaneously provides an input as well as a potential free, fail-to-safe output on the fire panel loop. The auxiliary 24 VDC supply of this unit is also monitored.

The KAL490 is normally used to control and monitor fire break doors. The relay provides the door control whilst the input monitors the door status.



#### Standard Features

- Easy numeric addressing
- Externally powered
- Supervised 24 VDC Output
- Surface mount
- Aesthetically pleasing
- Local status indication
- 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

<b>Supply voltage</b>	22-38 VDC
<b>Current consumption</b>	
Quiescent @ 24 V	110 A
Quiescent @ 35 V	135 A
Alarm	< 3.6 mA
Aux. 24 VDC quiescent	23 mA
Aux. 24 VDC alarm	23 mA + equip
<b>End-of-line resistor</b>	4.7 kohm
<b>Relay contact rating</b>	1¼ A @ 250 VAC
<b>Environmental</b>	
Storage temperature	-10 °C to +50°C
Operating temperature	-10 °C to +70°C
Relative humidity	95 % (non condensing)
<b>Dimensions (L x W x H)</b>	117 x 80 x 44 mm

### Ordering Information

Part No.	Description
KAL440	Supervised Relay Module



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As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GE Security online or contact your GE Security sales representative.

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