

# KAL740

## Kilsen Addressable Supervised Relay Output Module - 1 Output

### General

The KAL700 series modules include a complete range of interfaces developed for I/O control on Kilsen addressable fire systems, 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 Supervised Output Modules

The KAL740 allows for the control and supervision of a 24 VDC powered output on the fire system loop. It requires an external 24 VDC power source.

### Installation

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

### Applications

The KAL740 unit may be used to control sounders or switch any output considered crucial enough to have the cable integrity between the control unit and the activating unit continuously monitored. Easy configuration options make the unit fully programmable from the control panel and linked (or not) to the main sounder control functions on the user interface of the panel should the unit be used for sounder control.



### Details

- EN54:18 approved and CPD certified
- Surface mount
- Externally powered
- Local alarm and communications indication
- Fully supervised 24 VDC Output
- Part of a family of I/O modules consisting of: -Conventional zone monitors -Digital input modules -Extinguishing control modules -Loop Isolators -Manual call points -Relay and supervised output units -Fire door controllers

# KAL740

## Kilsen Addressable Supervised Relay Output Module - 1 Output

### Technical specifications

#### General

|                   |                     |
|-------------------|---------------------|
| Status indication | LED                 |
| 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)<br>135 µA @ 35 VDC from the loop (Quiescent)<br>< 3.6 mA from the loop (Active)<br>6 mA external (Quiescent)<br>9 mA external (Active) |

#### Output

|                        |                                          |
|------------------------|------------------------------------------|
| Output quantity        | 1                                        |
| Output type and rating | Supervised, 0.5 A @ 42 VAC / 1A @ 30 VDC |
| Termination resistor   | 15 kΩ                                    |

#### Physical

|                     |                   |
|---------------------|-------------------|
| Physical dimensions | 150 x 110 x 70 mm |
| Net weight          | 370 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

|               |                         |
|---------------|-------------------------|
| Compliance    | 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 | KAL714C   | Kilsen Addressable Zone Monitoring Units - 4 Zones |
| Interface unit | KAL730    | Kilsen Addressable Relay Output Module - 1 Output  |
| Interface unit | KAL734C   | Kilsen Addressable Relay Output Module - 4 Outputs |
| Interface unit | KAL760    | Kilsen Addressable Input Module - 1 Input          |
| Interface unit | KAL775    | Loop Isolation Module                              |