

Fig. 4 Spur Circuits (Class B) normally open contacts
Short circuits A+ to A- or B+ to B- = Fault

Note: If only one circuit is used, the other circuit must be terminated with 200 OHM EOL resistor.

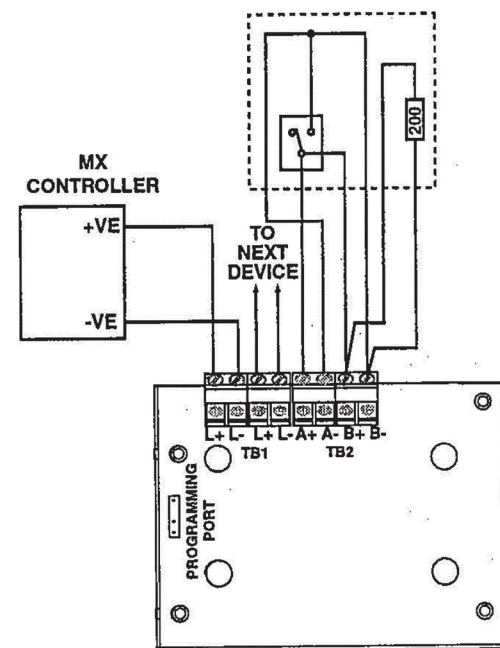


Fig. 5 Loop Circuit (Class A) normally open contacts
Short Circuit A+ to A- or B+ to B- = fault

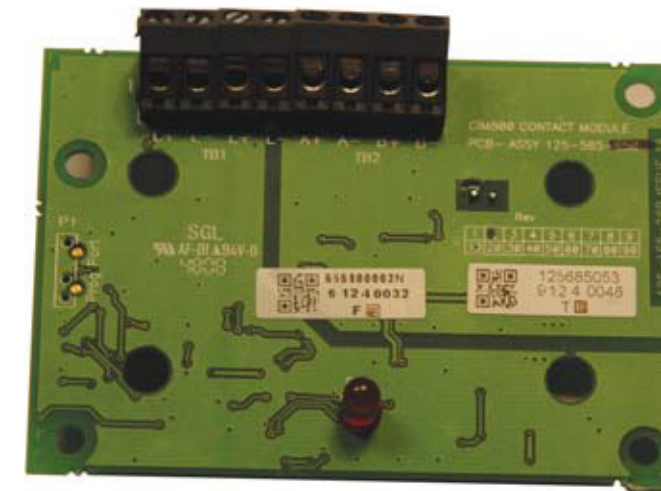


Fig. 1 EV-IP Contact Input Module

TECHNICAL SPECIFICATION

| | |
|----------------------------|--|
| Type Identification Value: | 50 |
| System Compatibility: | Use only with Evolution Fire Alarm panels which support this product |
| Loop Voltage: | 20 - 38 Vdc |
| Environment: | Indoor Application only |
| Operating Temperature: | -25° to +70°C |
| Storage Temperature: | -40° to +80°C |
| Operating Humidity: | Up to 95% non-condensing |
| Dimensions (HWD): | 87 x 148 x 14mm |
| Weight: | 100g |
| Mounting Requirements: | One MK dual gang backbox surface mount |
| Battery Requirements: | |
| Stand-by current: | 0.505mA |
| Alarm current: | 4.5mA |
| Wire Size: | Min 1.5mm ² Max 2.5mm ² Circuit 10 Ω |

Addressable Device Conditions:

Normal
Input Active
Short Circuit wiring fault
Open Circuit wiring fault
Device Type Invalid
Device No Response

Input Circuit:

| | |
|----------------|------|
| EOL | 200R |
| Alarm Resistor | 100R |

Declaration of Performance: 00114

CPR Certificate: 0905-CPR-00114

UKCA Certificate: 0359-UKCA-CPR-00001

ELECTROMAGNETIC COMPATIBILITY

The EV-IP complies with the following:

Product family standard EN 50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy EN 61000-6-3 for emissions.

FEATURES

EV-IP monitoring features include the following configurable items:

- Identifies all monitored contacts and signals to the CIE the status of monitored contacts and wiring to the contacts.
- Can monitor a single normally closed contact.
- Can monitor two Class B spur circuits, or a single class Class A loop circuit.
- When two. Class B spur circuits are connected, each must be of the same style. A monitored contact going to the active state, on either spur circuit, will cause EV-IP to report the Active State back to the CIE.

An LED reports EV-IP status to the user.

- The LED lights when the contact monitored by the EV-IP has switched to the active (off normal) state.
- The LED when normally off, will pulse when the EV-IP is polled by the EV-IP.

WIRING NOTES

The following notes apply:

- 1) There are no user-required settings (such as switches or headers) on EV-IP.
- 2) All wiring must conform to the current edition of IEE Wiring Regulations and BS5839 part 1.
- 3) All conductors to be free of earths.
- 4) Connect wiring to the monitored contact. For EV-IP typical wiring configurations (see Figures 4 to 5).
- 5) Verify the correct polarity of wiring before connecting the EV-IP to the addressable loop circuit.

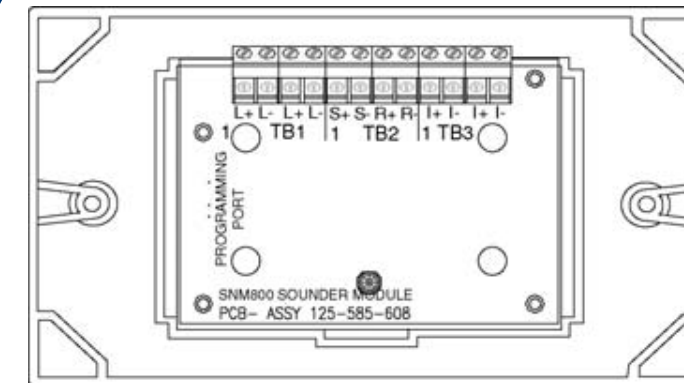


Fig. 2 EV-IP Fitted to cover

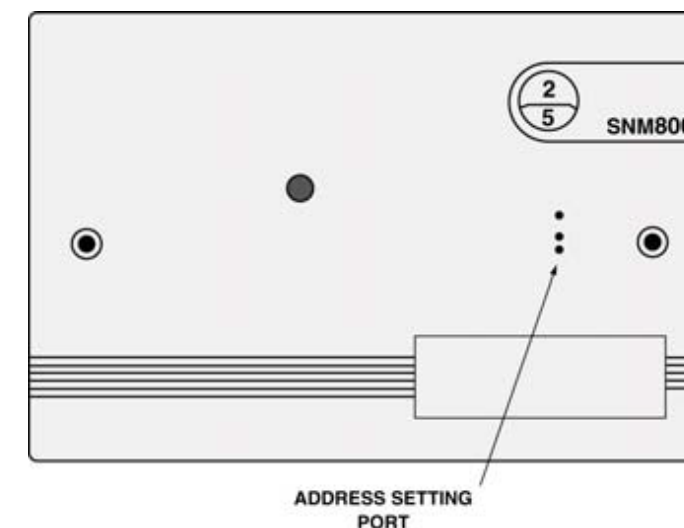


Fig. 3 EV-IP Contact Module Facia Plate

ADDRESS SETTINGS

The EV-IP must have its Loop Address programmed prior to installation with the EV-AD2 Programmer, using the Universal Addressing Lead (Two Pin) supplied with the EV-AD2 kit, by connecting Red pin to L+ & Black pin to L- on the reverse of the device. You can also use the EV Module Addressing Lead (Three Pin) via the Programming Port in the front cover (See Fig.3), after the device is installed.

Note: Once the address has been programmed, take note of the device location and address number, to include on site drawings.

CABLING

Cables are to be selected in accordance with the requirements of the current issue of BS5839. Two pairs of connection terminals (L+ and L-) are provided on the terminal block. These terminals are used for connecting the module onto the addressable circuit. A maximum of one 1.5mm² or one 2.5mm² cable may be connected at any one terminal.

ASSOCIATED EQUIPMENT

The Module fits onto a standard dual-gang MK box.

ORDERING INFORMATION

EV-IP Contact Input module
C/W cover: F16N82033