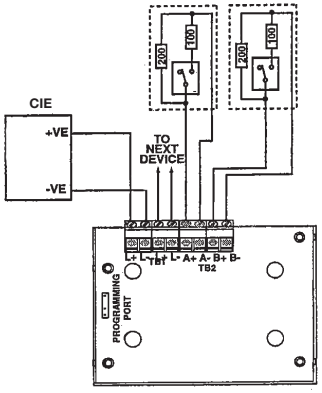

Fig. 4 **Spur Circuits (Class B) normally open contacts**
Short circuits A+ to A- or B+ to B- = Fault

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

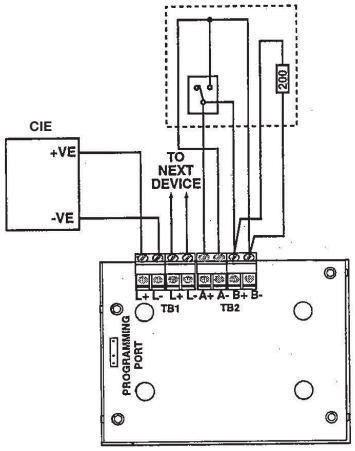

Fig. 5 **Loop Circuit (Class A) Normally open contact**
Short Circuit A+ to A- or B+ to B- = fault

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EV-IP Module
Installation Leaflet EV-IP Issue 1

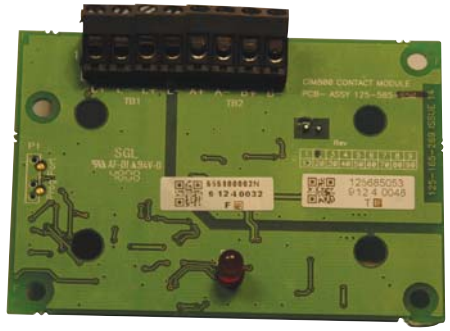

Fig. 1 EV-IP Contact Input Module

INTRODUCTION

The EV-IP Addressable Contact Input Module is designed to monitor fire contacts such as ventilation control, fire door control, etc. The EV-IP can be configured as:

- Two spur circuits (Class B) monitoring multiple normally open contacts, with short circuit giving a fault output.
- One loop circuit (class A) monitoring multiple open contacts, with short circuit giving a fault output.

TECHNICAL SPECIFICATION

Type Identification Value:	50
System Compatibility:	Use only with Evolution Fire Alarm panels which support this product
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:	lOOg
Mounting Requirements:	One MK backbox surface mount
Battery Requirements:	
Stand-by current:	0.505mA
Alarm current:	4.5mA
Wire Size:	
Maximum Wiring	Min 1.5mm²
Resistance Monitored	Max 2.5mm²
Circuit:	10Ω

Addressable Device Conditions:

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

ELECTROMAGNETIC COMPATABILITY

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.

5) Connect wiring to the monitored contact.

For EV-IP typical wiring configurations (see Figures 4 to 5).

6) Verify the correct polarity of wiring before connecting the EV-IP to the addressable loop circuit.

EV-IP Module
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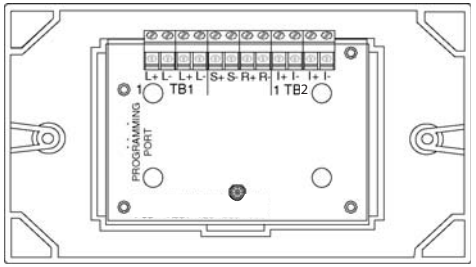

Fig. 2 EV-IP Fitted to cover

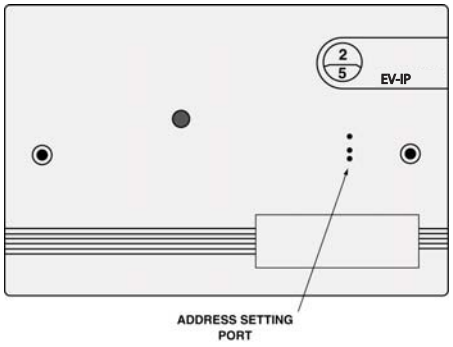

Fig. 3 EV-IP Contact Module Facia Plate

ADDRESS SETTINGS

The EV-IP has a default factory set address of 255, (his must be set to the loop address of the device using the EV-AD2 Address Programming Tool. The EV-IP may be programmed with the address prior to being installed by using the internal programming port (see Fig. 2) or after being installed by using the programming port on the front cover (see Fig. 3).

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 1.5mm^2 or one 2.5mm^2 cable may be connected at any one terminal.

ASSOCIATED EQUIPMENT

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

ORDERING INFORMATION

EV-IP Conatact Input module

C/W cover: F16N82033