



## Input Module with Short Circuit Isolator

# EV-Mini IP2

Part no. F16-82250

### General Description

EV-Mini IP2 is a Single Input module, with integral –ve line Short circuit isolator compatible with Evolution analogue addressable system devices.

The module is compact and suitable for mounting within other equipment, such as Firebeam or Aspirating detectors. A remote LED output is provided for Input status indication.

Device address may be set using EV-AD2-EXT Hand held programmer.

The Short Circuit Isolator will protect the system, whilst allowing the device to continue communication from the opposite side. An indicating LED is provided and the isolator will self-reset when the fault clears.

The following resistors are required for Fault and Alarm monitoring:

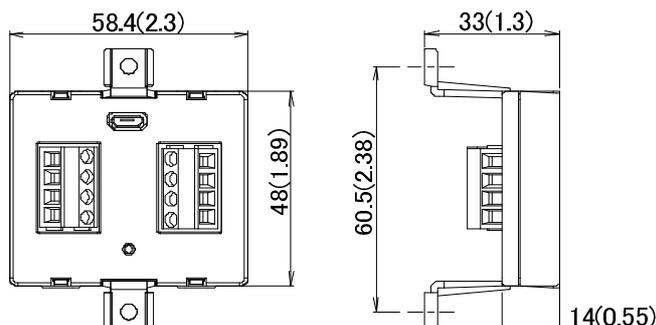
- EOL = 10k Ohm
- Alarm = 470 / 680 Ohm

### Approvals

Test Standards	EN54-17: 2005 / AC: 2007
	EN54-18: 2005 / AC: 2007
CPR Certificate	0359-CPR-00641
DoP Number	00641

**All wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1, or Local National Wiring regulations.**

### Dimensions mm(in)



### Data

Operating loop voltage	20 to 38 Vdc
Quiescent current	690 $\mu$ A
Alarm current	3.3 mA
Current in short circuit	15 mA
Input	1 $\times$ Class B
Operating temperature	-10°C to +55°C
Storage temperature	-40°C to +80°C
Relative humidity	< RH 95% (Non-condensing)
Cable terminals	0.75 to 2.5 mm <sup>2</sup>
Material	PC/ABS
Weight	40 g

### Short Circuit Isolator

Minimum sw open voltage (V <sub>so min</sub> )	11 Vdc
Maximum sw open voltage (V <sub>so max</sub> )	14 Vdc
Minimum sw close voltage (V <sub>sc min</sub> )	3 Vdc
Maximum sw close voltage (V <sub>sc max</sub> )	10 Vdc
Maximum line current (I <sub>c max</sub> )	500 mA
Maximum switching current (I <sub>s max</sub> )	1500 mA
Maximum leakage current (I <sub>l max</sub> )	15 mA
Maximum switch resistance (Z <sub>c max</sub> )	150 m $\Omega$

**All loop Cable Screens shall be connected together, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.**

### Connections

