



## Dual Input, Single Output Module with Isolator

# EV-2110

Part no. F16-82260

### General Description

EV-2110 is a Dual Input, Single Output module, with integral –ve line Short circuit isolator compatible with Evolution analogue addressable system devices.

The Module includes setting options for a normally closed contact input and Fail Safe mode for Door release requirement.

LEDs are provided to Indicate Input & Output active, Fault and Isolator Open.

The module is designed to fit the range of standard UK 2-Gang electrical enclosures, including Surface & Flush mount options.

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. 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	0905-CPR-00641
UKCA Certificate	0359-UKCA-CPR-00010
DoP Number	00641

### Notes

Not compatible with Advanced MxPro4 (Mx4000) Panel. Please use Non-SCI model.

It is not possible to mix +ve and -ve isolator styles on a system.

### Data

Operating loop voltage	20 to 38 Vdc
Quiescent current	720 $\mu$ A
Alarm current	5.5 mA
Current in short circuit	15 mA
Inputs	2 x Class B
Output relay contact rating	1 x 5 Amps @ 240 Vac Or 5 Amps @ 30 Vdc
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	175 g

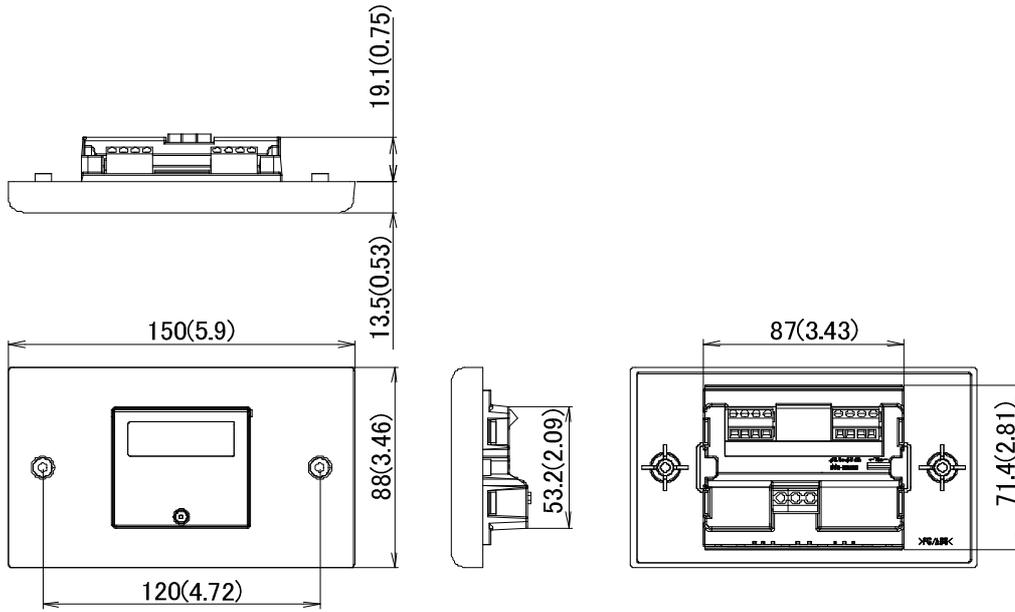
### Short Circuit Isolator

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 wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1**

**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.**

### Dimensions mm(in)



### Connections

