



## Dual Input, Zone Monitor Module with Isolator

# **EV-ZMU2**

Part no. F16-82275

### General Description

EV-ZMU2 is a Loop Powered Dual Input, Zone Monitor module, with integral -ve line Short circuit isolator compatible with Evolution analogue addressable system devices.

The Module includes setting options for Class A or Class B Zone input(s).

LEDs are provided to Indicate Input 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 Zone Monitor can support the following devices on each Zone Input:

- EVC-P, EVC-H-A2S/CS      20 units
- EVC-DP (Loop 24V min)    20 units
- EVC-IR Flame Detector    5 units
- EVC-PY-IS (Zener Barrier) 15 units

The following resistors are required for Fault and Alarm monitoring:

- EOL            = 4k7 Ohm
- Alarm         = 375 to 680 Ohm  
(EVC has Alarm integral to head)

### 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	10.5 mA (Max)
Alarm current	35.0 mA (Max)
RIL current (If used)	2.5 mA
Current in short circuit	15 mA
Zone Inputs	2 x Class B / 1 x Class A
Operating voltage (Zone)	12 to 18 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	140 g

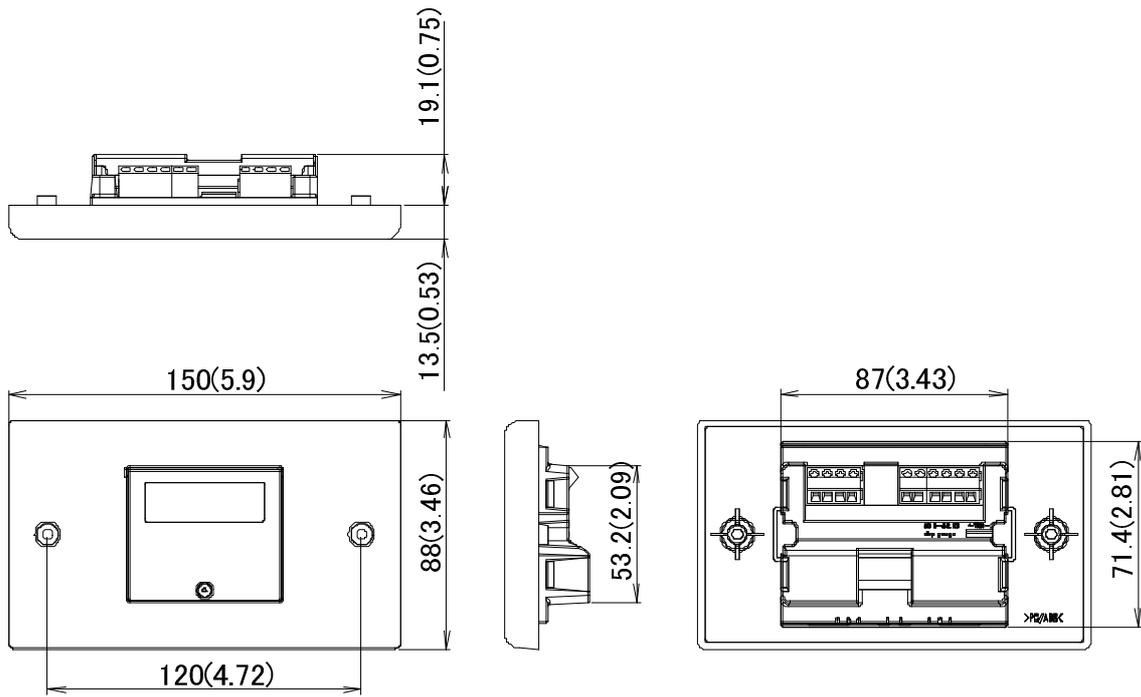
### Short Circuit Isolator

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 mΩ

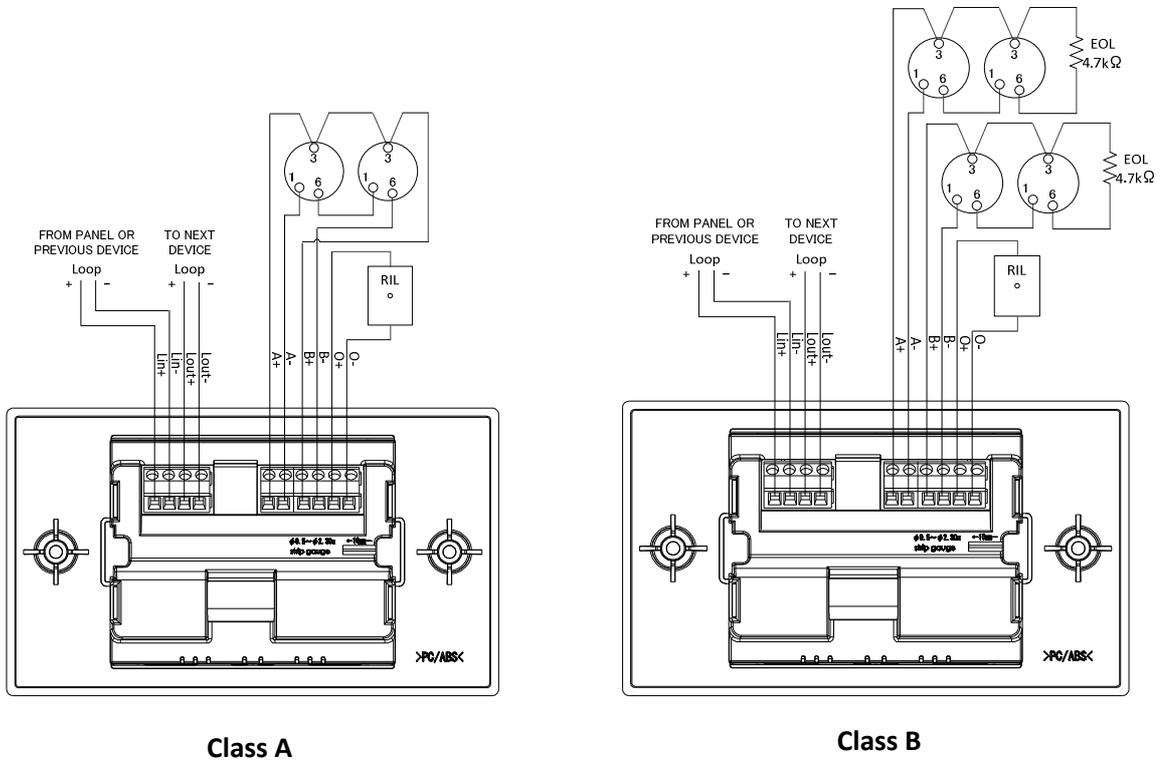
**All wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1**

**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



**Class A**

**Class B**