

# Intellia DIN-Rail Conventional Zone Module EMI-410/CZ

## Instruction Sheet R10133GB2



**Schneider Electric**  
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## Contents

<b>Safety Information .....</b>	<b>4</b>
<b>1    Intellia DIN-RAIL Conventional Zone Module EMI-410/CZ .....</b>	<b>4</b>
1.1    Schematic Diagram & Wiring Connections .....	5

## **Safety Information**

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

## **Related Information**

For technical specifications, please refer to the Product Datasheet for FFS06727441 on [se.com](http://se.com).

### **1**

## **Intellia DIN-RAIL Conventional Zone Module EMI-410/CZ**

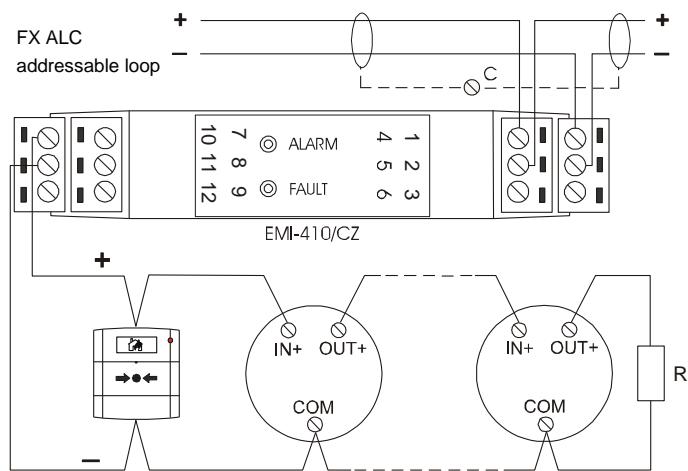
Fire protection systems can be engineered simply and effectively without the need for custom-designed equipment. The EMI-410/CZ Conventional Zone-Module (FFS06727441) with Isolator powers and controls the operation of a zone of conventional detectors. The Intellia series of products are all compatible with the ALC-board of Esmi Sense FDP and FX-panel. A 5,1 kΩ end-of-line resistor is used to monitor cables for open and short-circuit faults.

The Zone Monitor is fitted with a bi-directional short-circuit isolator and will be unaffected by loop short-circuits on either loop input or output. The Zone Monitor is supplied in a standard housing which is clipped onto a standard 35 mm DIN rail (DIN 46277) or fixed directly to the enclosure using two 4mm screws. Connections are made via plug-in terminal blocks which accept wires up to 2,5 mm<sup>2</sup>.

Enclosures with DIN rails are available to house the DIN rail Zone Monitor.

Two LEDs are visible through the top cover of the enclosure. The red LED illuminates in the event of an alarm condition being detected. The yellow LED is illuminated whenever the built in isolator has sensed a short-circuit loop fault.

## 1.1 Schematic Diagram & Wiring Connections



- 1 = -ve In
- 2 = -ve Out
- 3 = Not Used
- 4 = + ve In
- 5 = + ve Out
- 6 = Not Used
- 7 = Zone output +
- 8 = Zone output -
- 9 = Not Used
- 10 = Zone Output +
- 11 = Zone Output -
- 12 = Not Used

C = Additional connector for shield  
R = End-of-line resistor  $5,1\text{ k}\Omega \pm 5\%$  1/3 W

**Note!**  
The EMI-410/0  
sensitive.

**Note!**  
The zone monitor includes a bi-directional isolator; therefore a single short-circuit on the loop wiring next to the zone monitor will not affect the operation of the conventional detector zone.