

### 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.



### Esmi Impresia 0 Inputs/4 Outputs Module

Esmi Impresia 0 Inputs/4 Outputs (FFS06741009) is an addressable module with four relay outputs, designed for installing in addressable fire alarm systems with Esmi ELC loop controller supporting Schneider Electric communication protocol. The module has a built-in isolator module which when used allows continuous operation of the loop in case of module's failure and without need of using additional isolator modules. The module is mounted in a separate plastic box suitable for wall mounting and with IP55 protection. For indoor and outdoor use with EN 54-18/17 approvals.

The address setting is done by the panel, QR code or handheld addressing device.  
The address range is 1-250.

For more technical information visit [www.se.com](http://www.se.com).



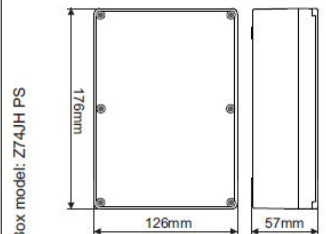
### DANGER

#### HAZARD OF ELECTRIC SHOCK

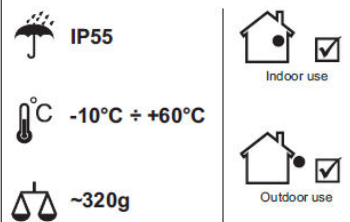
Ensure that the correct terminals are used for the loop and switched voltage connections. Do not exceed the relay ratings. High voltages may be present on the relay terminals. Always turn off all power supplying this device before working inside the device enclosure.

Failure to follow these instructions will result in death or serious injury.

### Dimensions



### Installation



CE<sub>21</sub>  
1293  
DoP No: DP20025  
Made in Bulgaria  
EN 54-18:2005  
EN 54-18:2005/AC:2007  
EN 54-17:2005  
EN 54-17:2005/AC:2007

### Technical Specifications

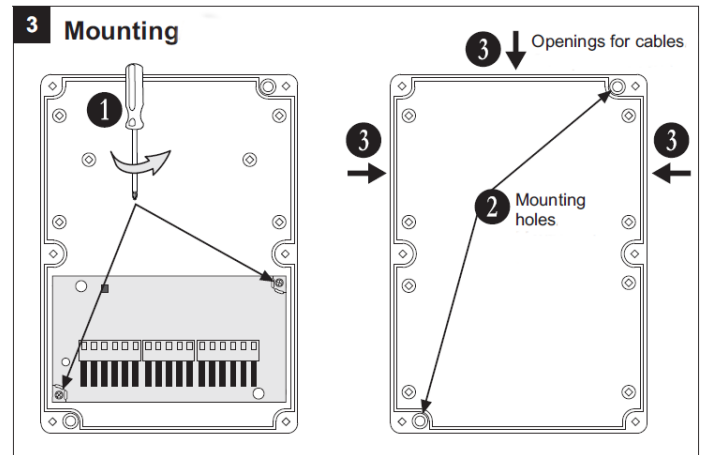
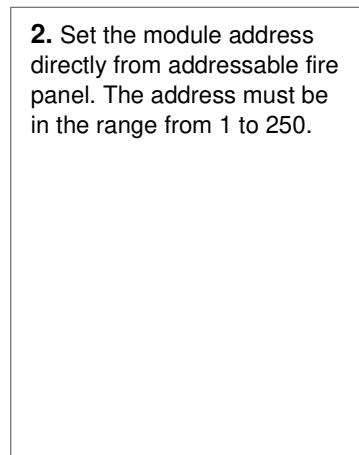
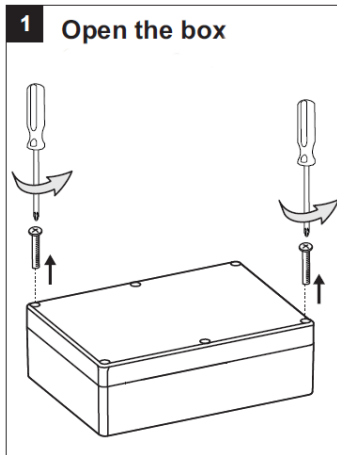
|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Operating voltage                          | 16 ÷ 32 VDC                             |
| Consumption stand-by mode                  | 175µA@27VDC                             |
| Nom. current consumption                   | 200µA@27VDC                             |
| Outputs, electrical characteristics (max.) | DC 30V/1A; AC 125V/0.5A                 |
| Current consumption with 1 LED on          | 4mA                                     |
| Installation wires                         | 0.4mm <sup>2</sup> ÷ 2.0mm <sup>2</sup> |
| Relative humidity                          | ≤93% @ +40°C                            |
| Material (plastic)                         | PS                                      |
| Color                                      | Grey                                    |
| Supported communication protocol           | Esmi ELC                                |

### Isolator Module Technical Specifications

|                        |                                                               |                          |
|------------------------|---------------------------------------------------------------|--------------------------|
| V <sub>max</sub>       | Maximum line voltage                                          | 32V                      |
| V <sub>nom</sub>       | Nominal line voltage                                          | 28V                      |
| V <sub>min</sub>       | Minimum line voltage                                          | 16V                      |
| V <sub>so max</sub> *  | Maximum voltage at which the device isolates                  | 7.5V                     |
| V <sub>so min</sub> *  | Minimum voltage at which the device isolates                  | 5.9V                     |
| V <sub>sc max</sub> ** | Maximum voltage at which the device reconnects                | 6.7V                     |
| V <sub>sc min</sub> ** | Minimum voltage at which the device reconnects                | 5V                       |
| I <sub>c max</sub>     | Maximum rated continuous current with the switch closed       | 0.7A                     |
| I <sub>s max</sub>     | Maximum rated switching current (e.g. under short circuit)    | 1.8A                     |
| I <sub>l max</sub>     | Maximum leakage current with the switch open (isolated state) | 16mA                     |
| Z <sub>c max</sub>     | Maximum series impedance with the switch closed               | 0.12Ω@28VDC; 0.15Ω@15VDC |

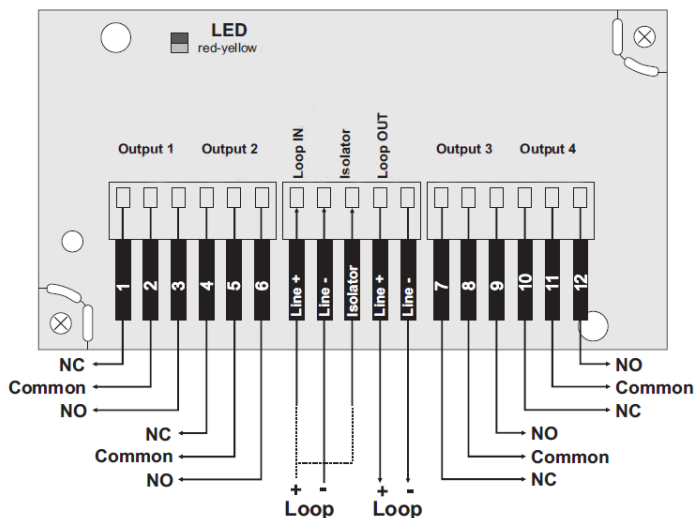
\* Note: Switches from closed to open

\*\* Note: Switches from open to closed



3. Openings for running cables  
4. Mounting holes

**Note:** When you use the integrated short circuit isolation module connect one of the “+Loop” leads to the “Isolator” terminal instead of the “Line+” terminal.



**! LED Indication**

**OUTPUTS**

- The RED LED Lights on, when at least one of the outputs is turned on (state ON)
- The RED LED Lights off, when all of the outputs are turned off (state OFF)
- ⚡ The RED LED is blinking when communication between the module and fire panel is running on