

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.

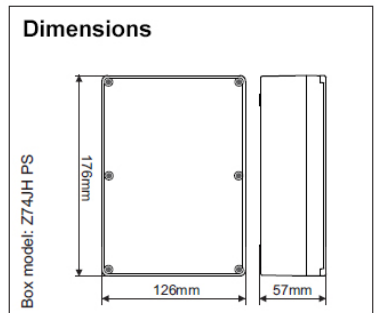


Esmi Impresia 0 Inputs/4 Outputs Module

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.



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.

Installation

IP55

-10°C ÷ +60°C

~320g

Indoor use

Outdoor use

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 ² ÷ 2.0mm ²
Relative humidity	≤93% @ +40°C
Material (plastic)	PS
Color	Grey
Supported communication protocol	Esmi ELC

Isolator Module Technical Specifications

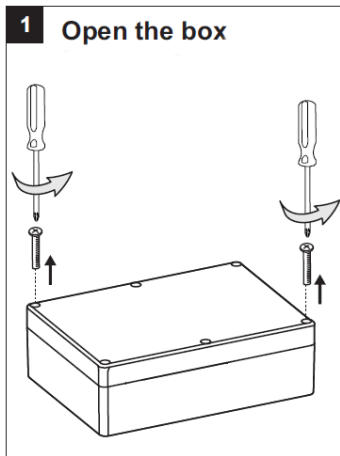
<i>V_{max}</i>	Maximum line voltage	32V
<i>V_{nom}</i>	Nominal line voltage	28V
<i>V_{min}</i>	Minimum line voltage	16V
<i>V_{so max}*</i>	Maximum voltage at which the device isolates	7.5V
<i>V_{so min}*</i>	Minimum voltage at which the device isolates	5.9V
<i>V_{sc max}**</i>	Maximum voltage at which the device reconnects	6.7V
<i>V_{sc min}**</i>	Minimum voltage at which the device reconnects	5V
<i>I_{c max}</i>	Maximum rated continuous current with the switch closed	0.7A
<i>I_{s max}</i>	Maximum rated switching current (e.g. under short circuit)	1.8A
<i>I_{l max}</i>	Maximum leakage current with the switch open (isolated state)	16mA
<i>Z_{c max}</i>	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

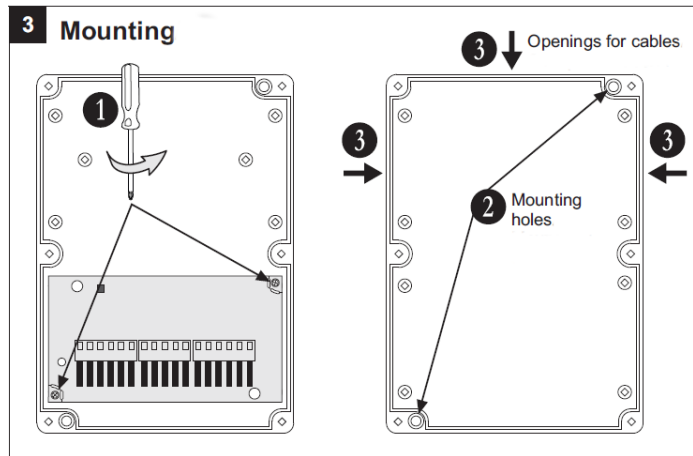
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DoP No: DP20025
 Made in Bulgaria
 EN 54-18:2005
 EN 54-18:2005/AC:2007
 EN 54-17:2005
 EN 54-17:2005/AC:2007

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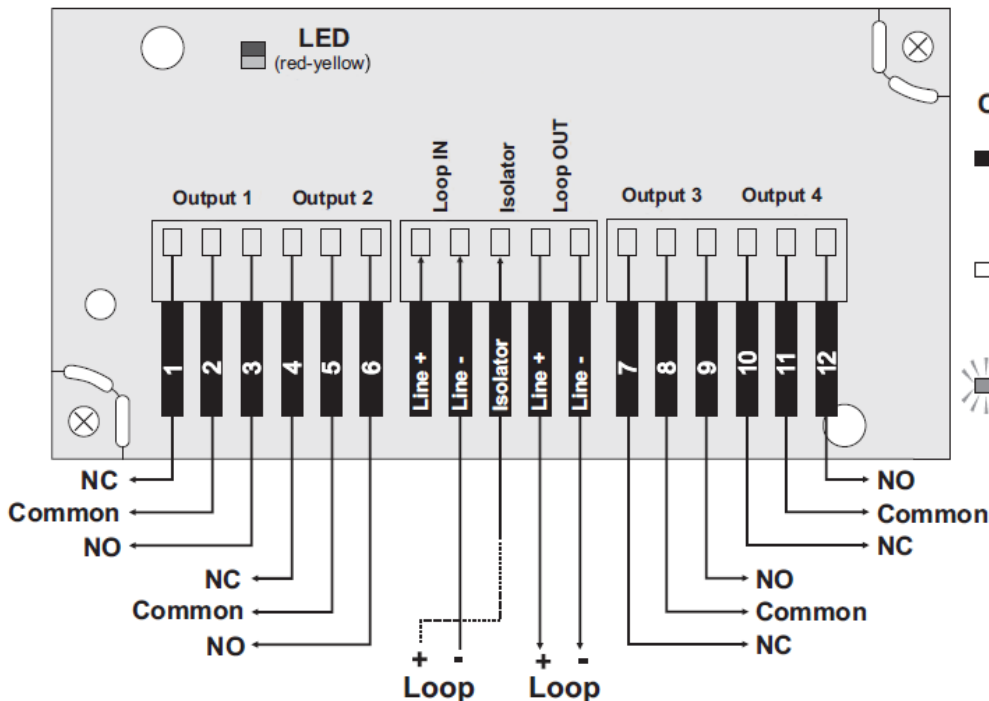
2. Set the module address directly from addressable fire panel. The address must be in the range from 1 to 250.



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.

Connection Diagrams



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