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 Relay Output Module 240V

Esmi Impresia Relay Output Module 240V (FFS06741020) is an electrical main switching relay output control module designed for installing in addressable fire alarm systems with Esmi ELC loop controller supporting Schneider Electric communication protocol. The module provides interface for 240V and it is suitable for control of 240VAC voltage circuits. The module is mounted in a separate small plastic box suitable for wall mounting and IP55 protection. Esmi Impresia Relay Output Module 240V is designed according the requirements of EN54-18 and EN54-17.

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 Instructions
Note: Collect the QR code stickers from the devices if QR codes are used for addressing of the devices.
1. Follow the applicable local and national installation codes and regulations. Choose the proper place for installation of the device.
2. Turn power off the loop circuit before installing the module!
3. Set the module address using programmer or directly from addressable fire panel.
4. Run the wires to the module terminals.
5. Connect the wires of the loop circuit according the shown connection diagram.
6. Connect the wires of the relay circuit according the shown connection diagram.
7. Test the module for proper operation and LED indication.
8. Close the cover of the plastic box.

Technical Specifications
Operating Voltage . . . . .16 - 32VDC
Nom. current consumption 220µA
Consumption stand-by mode 175µA
Current consumption with LED on 4mA
Relay ratings. 4A/ 250VAC; 3A/ 30VDC
Relative humidity resistance . . . . ≤93% @+40°C
Material (plastic) . . . . PS
Color . . . . Grey
Supported communication protocol . . . . .Esmi ELC

Isolator Module Technical Specifications
Vmax . . . . . . Maximum line voltage. 32V
Vnom . . . . . . Nominal line voltage 28V
Vmin . . . . . . Minimum line voltage 16V
Vso max* . . . Maximum voltage at which the device isolates 7.5V
Vso min* . . . Minimum voltage at which the device isolates 5.9V
Vsc max** . . Maximum voltage at which the device reconnects 6.7V
Vsc min**. . . Minimum voltage at which the device reconnects 5V
Ic max . . . . . Maximum rated continuous current with the switch closed 0.7A
Is max . . . . . Maximum rated switching current (e.g. under short circuit) 1.8A
II max. . . . . . Maximum leakage current with the switch open (isolated state). 16mA
Zc max. . . . . Maximum series impedance with the switch closed. . . . . .0.12Ω@28VDC; 0.15Ω@15VDC
** Note: Switches from open to closed
* Note: Switches from closed to open

Dimensions

Box model: Z74 JH P5
176mm
126mm
57mm
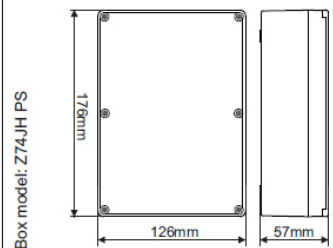
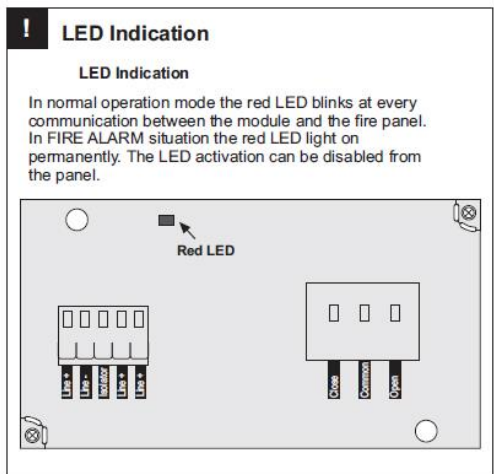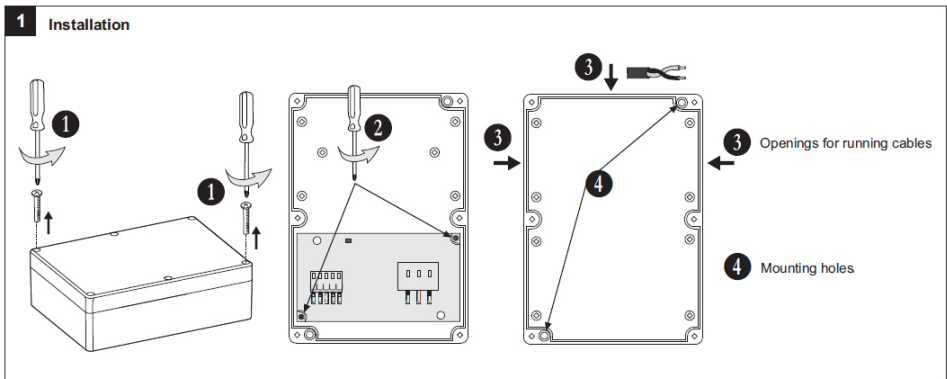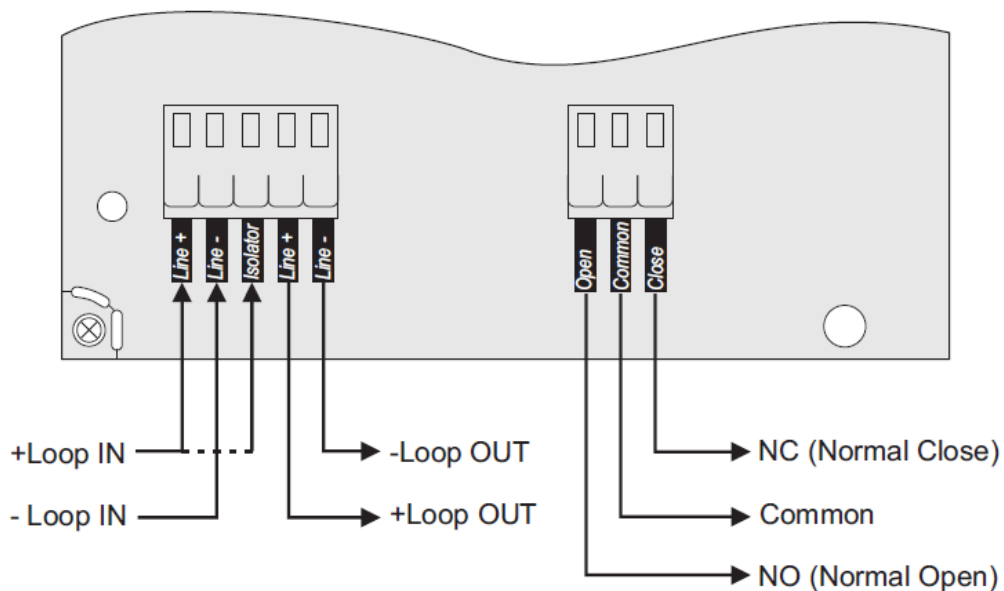### Installation

☂ **IP55**

🌡 **-10°C ÷ +60°C**

⚖ **~320g**

✂ **2.5mm²**

☑ Indoor use

☑ Outdoor use

CE 21
1293
DOP: DP20036
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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1 Installation

! LED Indication

LED Indication

In normal operation mode the red LED blinks at every communication between the module and the fire panel. In FIRE ALARM situation the red LED light on permanently. The LED activation can be disabled from the panel.

Wiring

Description of the Connection Diagram

-Loop IN - Connect the negative wire of the input communication line.
+Loop IN - Connect the positive wire of the input communication line.
-Loop OUT - Connect the negative wire of the output communication line.
+Loop OUT - Connect the positive wire of the output communication line.
NC (Normal Close) - Normal Close relay contact
NO (Normal Open) - Normal Open relay contact
Common - Common ground
Note: *When you use the integrated short circuit isolation module connect one of the "+Loop" loop lead to the "Isolator" terminal of the module!*

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