

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 Manual Call Point

Esmi Impresia Manual Call Point (FFS06741004) is designed for installing in addressable fire alarm systems with Esmi ELC loop controller supporting Schneider Electric communication protocol. The call point has a built-in isolator module which when used allows continuous operation of the loop in case of short circuit and without need of using additional isolator modules. 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.

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. Pick up the cover and take out the kit elements.
2. Turn power off the loop circuit before installing the Esmi Impresia Manual Call Point.
3. Mount the box as observe the knockout holes - never locate them at left or right side.
4. Take the cover and with the special tool remove the carrier unit - use the short side of the tool. As observe the location of the "Up" mark to be in front fix the short side to the holes at the upper side of the call point. Press down and pull out the cover from the carrier unit.
5. Remove the flexible element from the carrier unit - pick up the bottom side of the element and pull out.
6. Set the module address using programmer or directly from addressable fire panel.
7. Connect the loop wires to the call point terminals - see the connection diagram.

Note: When you use the integrated short circuit isolation module connect one of the "+Loop" loop lead to the "Izo" terminal of the call point.

8. Place the carrier unit over the mounting box and use the supplied in the kit screws to fix the parts together.
9. Place back the flexible element to the carrier unit.
10. Mount the cover.
11. Test the call point functionality.

CE 21
1293
DoP No: DP20020
Made in Bulgaria
EN 54-11:2001
EN 54-11:2001/A1:2005
EN 54-17:2005
EN 54-17:2005/AC:2007

Testing the Call Point Operation

Isolate the fire alarm system before testing. Use the special tool to test the call point operation function ability - insert the tool in the "Test" hole and push up to test. The tool moves the flexible element up and thus operates the call point. The LED will light up while the call point is in test mode.

Technical Specifications

Operating voltage	15÷32VDC
Current consumption without communication (max).	@27VDC
Current consumption with communication (max)	160µA@27VDC
Current consumption in Fire mode	3mA
Installation wires	0.4mm ² ÷ 2.0mm ²
Relative humidity.	≤93% @+40°C
Material (plastic), color	ABS, red
Type (according EN 54-11, 17)	A
Type of the frangible element	resettable (flexible)
Indication "Fire alarm"	red LED
Dimensions	90x57x90mm
Supported communication protocol	Esmi ELC

Installation

IP40

-10°C ÷ +60°C

≤175g

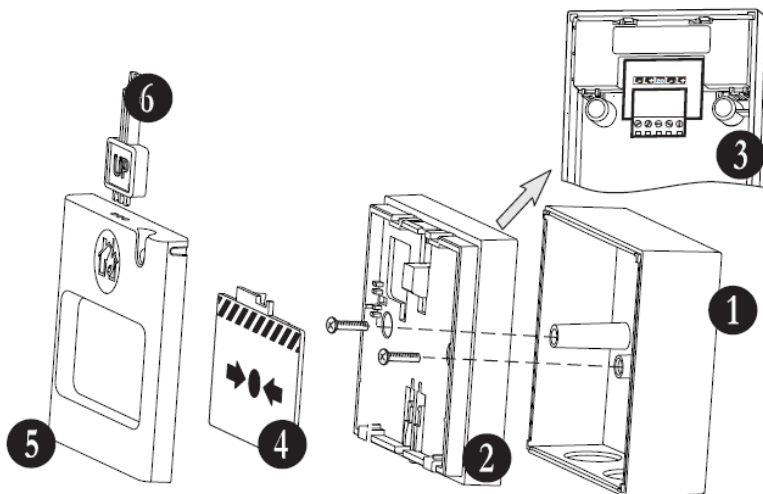
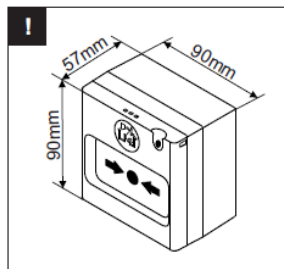
Indoor Use

Isolator Module Technical Specifications

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



(1) - surface mounting box;
 (2) - carrier unit;
 (3) - PCB and addressable module for manual call point with row terminals (mounted on the back of the carrier unit);
 (4) - resettable (flexible) element;
 (5) - cover;
 (6) - tool for opening, testing and resetting of the flexible element in stayby mode (use the tool as shown on the picture - the "UP" mark must be in front).

<p>Surface mounting position</p>	<p>LED Indication</p> <p>Stand-by mode Fire alarm mode</p>
<p>Testing the operation</p> <p>The "UP" mark must be in front</p> <p>Push upwards - the LED must light on</p>	<p>Connection to an addressable panel</p> <p>-Loop +Loop Earth</p>

Spare Parts

Esmi Impresia Spare Key for MCP - set of 5 pcs	FFS06741021
Esmi Impresia Protective Plastic Cover for MCP - set of 5 pcs	FFS06741022