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SensoIRIS
MCP150
Addressable
Manual Call
Point

SensoIRIS MCP150 Addressable Manual Call Point Installation Guide

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SensoIRIS MCP150 Addressable Manual Call Point

Installation Instructions

ATTENTION: SensoIRIS MCP150 must be connected only to fire panels, which support TTE communication protocol!

General Description

The addressable manual call point SensoIRIS MCP150 is designed for application in addressable fire alarm systems, which support TTE 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.

SensoIRIS MCP150 is powered on from the fire panel and can be controlled via the communication protocol.

Working Principle

In stand-by mode, the resettable (flexible) call point element is in a middle position and the LED is off.

When pressed on, the resettable element is moving down and a color strip is shown on at its upper side. The call point is in "Fire alarm" condition and the LED is on.

The resetting of the flexible element back in stay-by mode is done with the special key tool – fix the long side of the tool at the call point bottom side and push up until flexible element moves up in middle position – a click is heard.
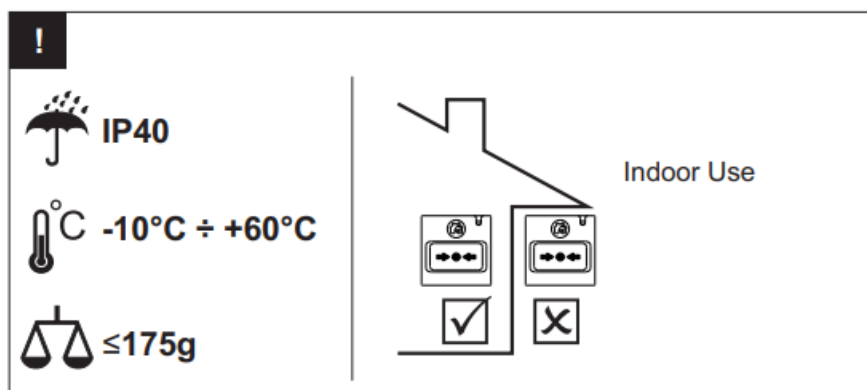
Testing the Call Point Operation

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.
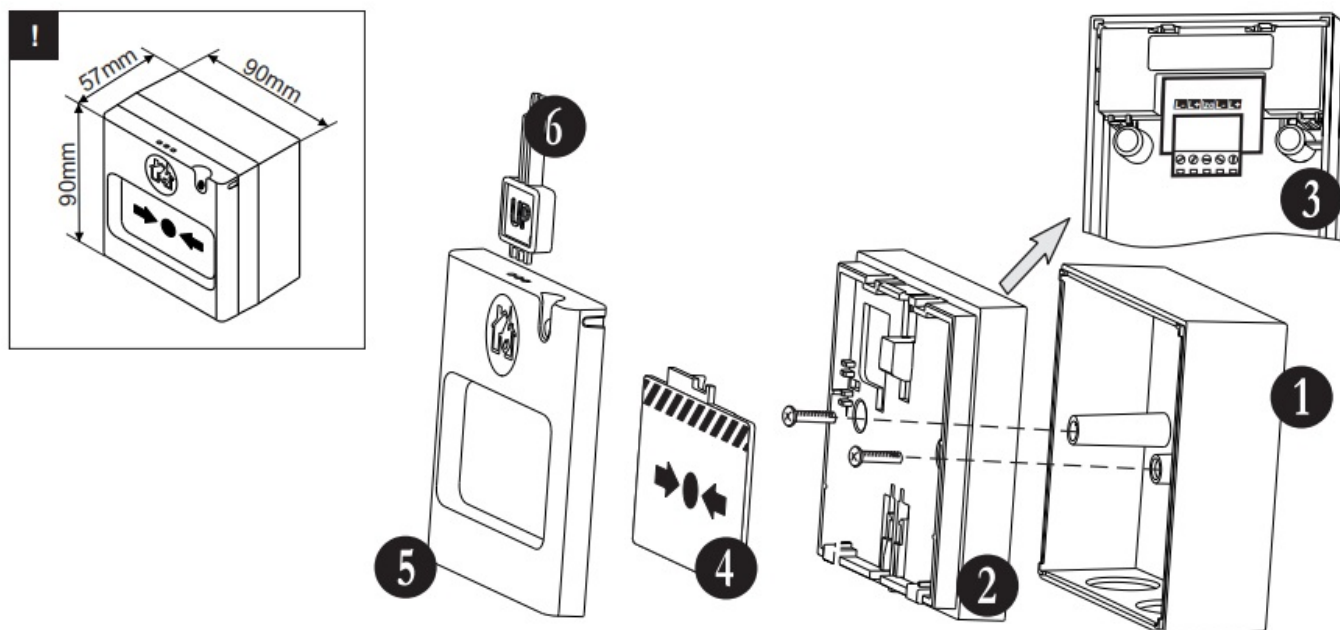
TECHNICAL SPECIFICATIONS

- Operating voltage . . . . 15÷32VDC
- Current consumption without communication (max). . . . 125µA@27VDC
- Current consumption with communication (max) . . . . 160µA@27VDC
- Current consumption in Fire mode 3mA
- Installation wires . . . . 0.4mm2 ÷ 2.0mm2
- Relative humidity. . . . . ≤93%@+40°C
- Material (plastic), color . . . . ABS, red/rojo/червен
- Type (according EN 54-11, 17) . . . . Тип (съгласно EN 54-11, 17) . . . . A
- Type of the frangible element . . . . resettable (flexible) / recuperable / възстановяем
- Indication "Fire alarm". . . . . red LED/diodo LED rojo/червен светодиод
- Dimensions 90x57x90mm
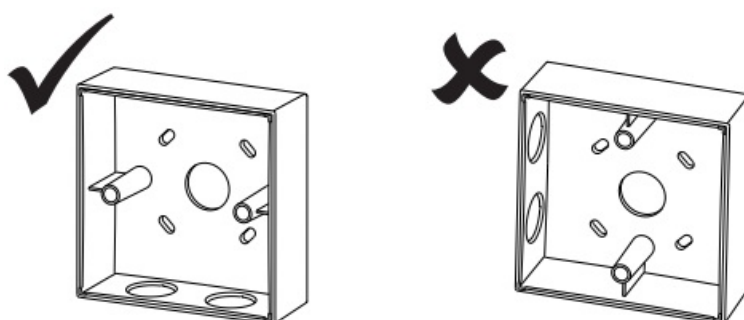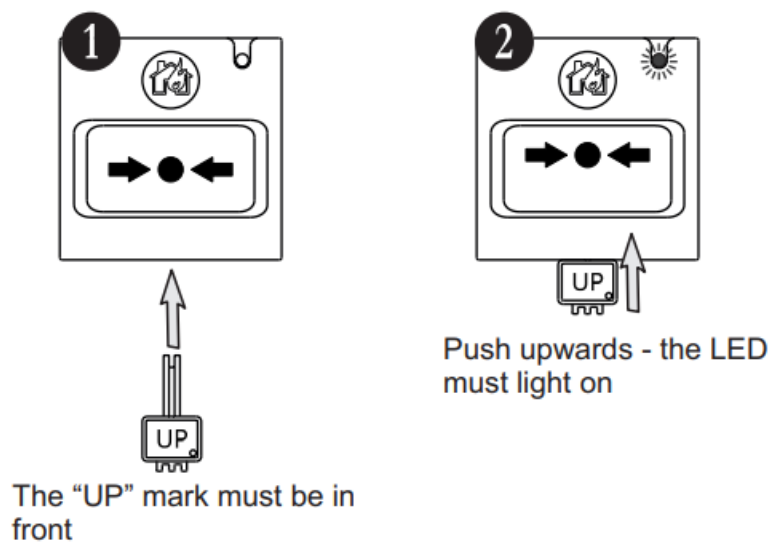
Installation

STRUCTURE

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 stay-by mode (use the tool as shown on the picture – the "UP" mark must be in front).
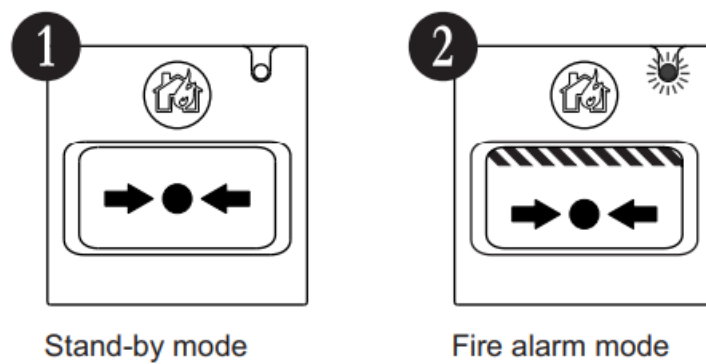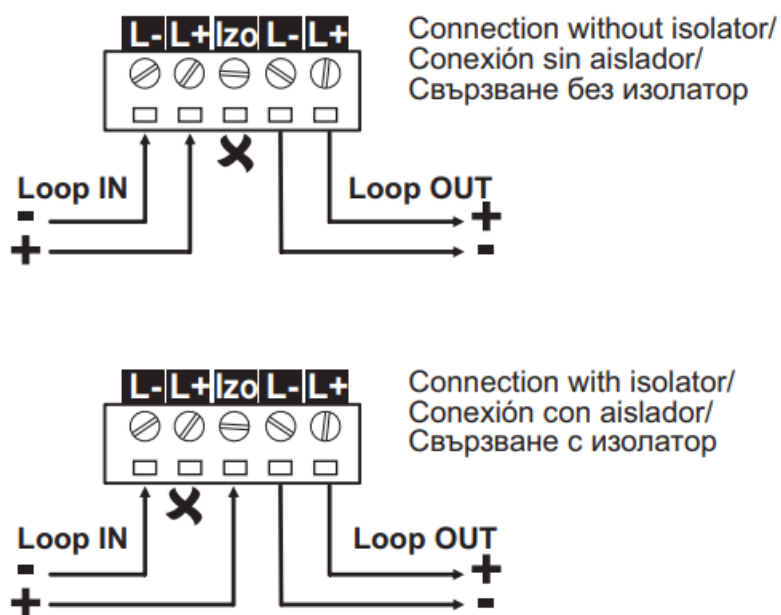
Surface mounting position

Testing the operation

The "UP" mark must be in front

Push upwards - the LED must light on

LED Indication

Stand-by mode

Fire alarm mode

Connection to an addressable panel

Connection without isolator/
Conexión sin aislador/
Свързване без изолатор

Loop IN

Loop OUT

Connection with isolator/
Conexión con aislador/
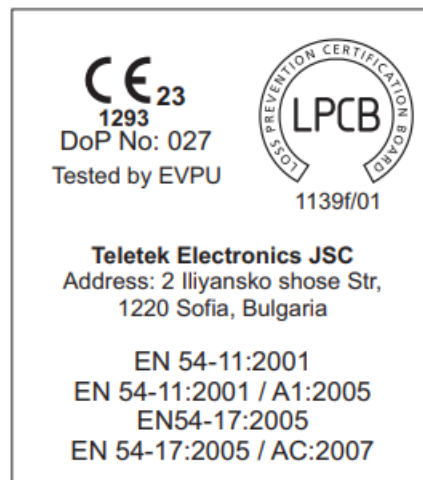Свързване с изолатор

Loop IN

Loop OUT

Installation Instructions

Attention: Power off the loop circuit before installing the SensoIRIS MCP150!

1. Pick up the cover and take out the kit elements.

2. Mount the box as observe the knockout holes – never locate them at left or right side.

3. 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.

4. Remove the flexible element from the carrier unit – pick up the bottom side of the element and pull out .

5. Set the addressable module address using SensoIRIS Programmer or directly from fire panel. The address must be in the range from 1 to 250.

6. Connect the loop wires to the call point terminals – see the connection diagram. Attention: When you use the integrated short circuit isolation module connect one of the "+Loop" loop lead to the "Izo" terminal of the call point.

7. Place the carrier unit over the mounting box and use the supplied in the kit screws to fix the parts together.

8. Place back the flexible element to the carrier unit.

9. Mount the cover.

10. Test the call point functionality.

Documents / Resources

	SensoIRIS MCP150 Addressable Manual Call Point [pdf] Installation Guide MCP150 Addressable Manual Call Point, MCP150, Addressable Manual Call Point, Manual Call Point, Call Point, Point

References

- **User Manual**