SensoIRIS MCP150 IP67 Address Alarm Button Installation Guide

Contents

SensoIRIS

SensoIRIS MCP150 IP67 Address Alarm Button

TECHNICAL SPECIFICATIONS

- Operating voltage. . . . . 15÷32 VDC
- Current consumption without communication (max). . . 125µA@27VDC
- Current consumption with communication (max). . . . . 160µA@27VDC
- Current consumption in Fire mode. 3mA 2
- Installation wires. 2.5mm
- Relative humidity . . . . . ≤93% @ +40°C
- Material (plastic), color. . . . . ABS, red
- Type (according to EN 54-11, 17) . . . . . A
- Type of the frangible element. . . . . resettable (flexible)
- Indication “Fire alarm” . . . . . red LED

ISOLATOR MODULE TECHNICAL SPECIFICATIONS

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

Note:

1. Switches from closed to open
2. Switches from open to closed 0.15Ω@15VDC

ATTENTION: SensoIRIS MCP150 IP67 must be connected only to fire panels, which support TTE communication protocol!

General Description

- The addressable manual call point SensoIRIS MCP150 IP67 is designed for outdoor installations and IP67 environments*. 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 call point is equipped also with a protective transparent cover for avoiding of fault or accidental activation.
- SensoIRIS MCP150 IP67 is powered on from the fire panel and can be controlled via the communication protocol.

The declared IP67 is achieved only when using IP67 rated cable glands!

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 stand-by mode is done with the special tool – fix the long side of the tool at the call point bottom hole and push up until flexible element moves up in middle position – a click is heard.

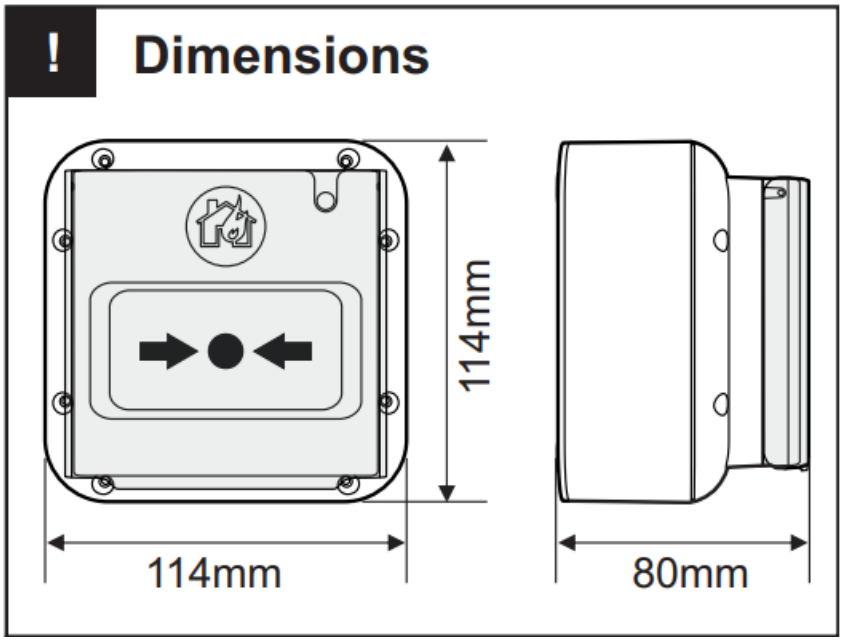
Programming an address

Set the address of the call point using SensoIRIS Programmer or start self- or autoaddressing procedure directly from the addressable panel.

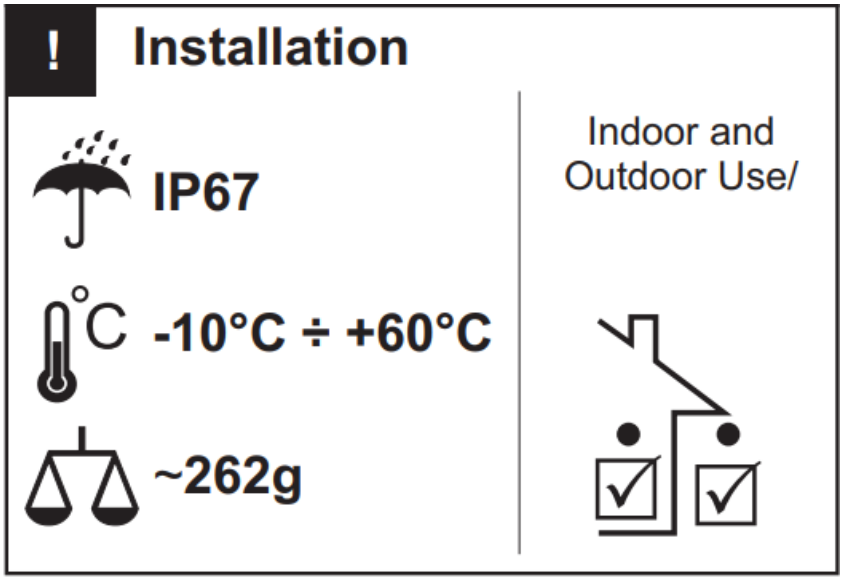
Testing the Call Point Operation

- 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.

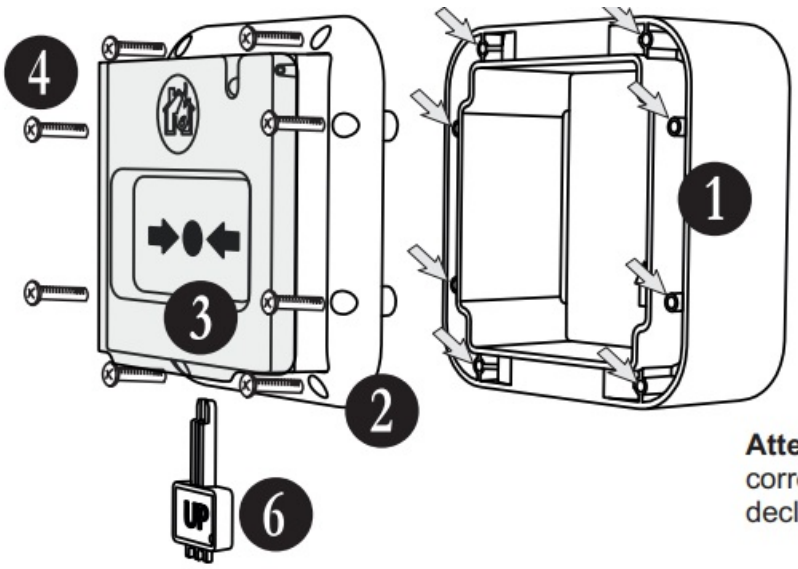
Dimensions

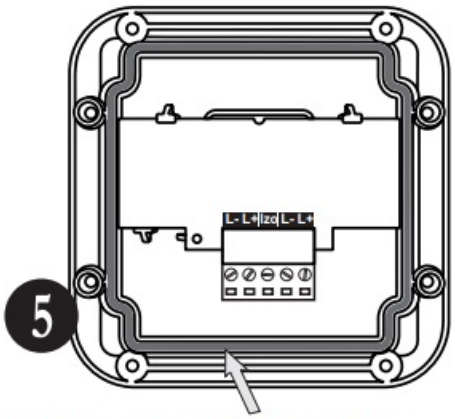


Installation



Structure

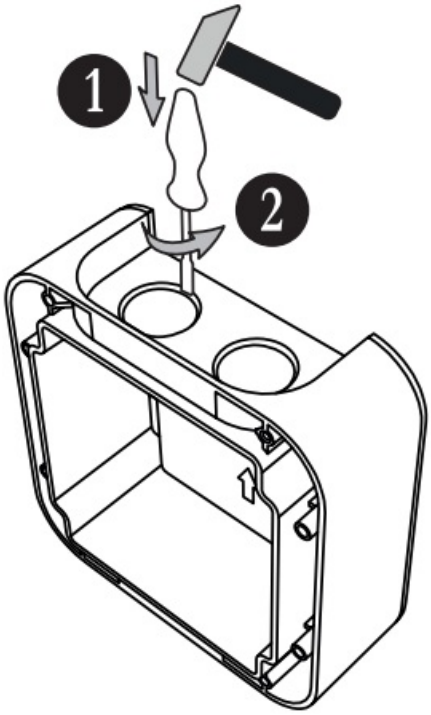


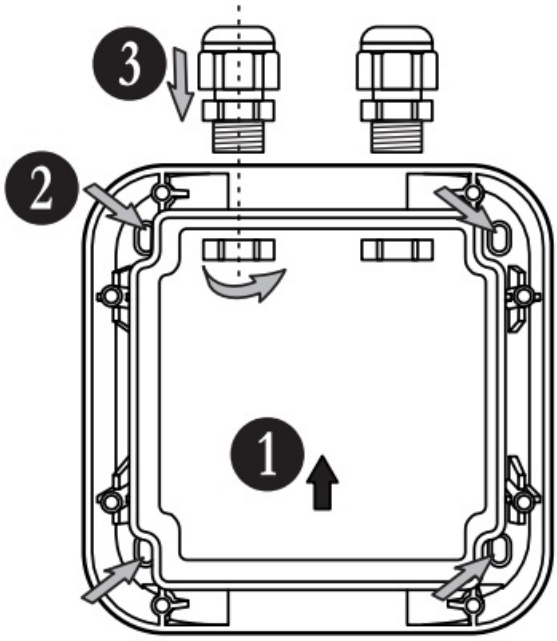


Attention: The o-ring sealant must be correctly fitted in the channel to provide the declared IP67 rating! /

1. Back box for surface mounting
2. Front cover
3. Protective transparent cover
4. Screws (8 pcs.) for fixing the front cover to the back box
5. Front cover backside
6. Tool for testing and resetting of the call point in stand-by mode (use the tool as shown on the picture – the “UP” mark must be in front)

Surface Mounting

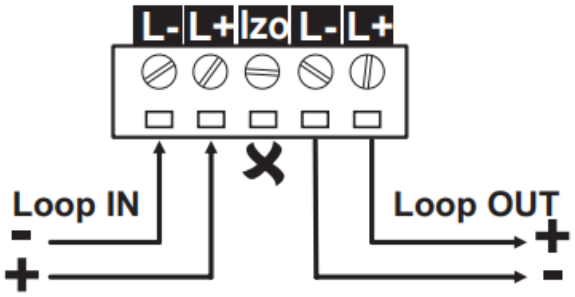




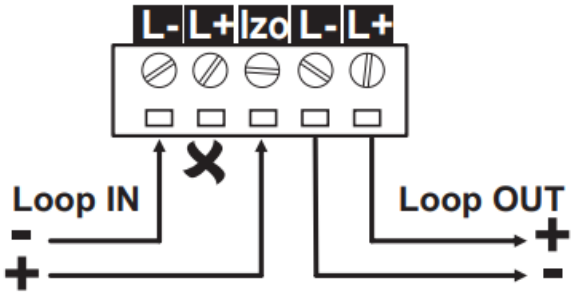
- Remove the protective caps of the cable gland holes.
- Place the back box in upright position; Mount the back box using screws according the mounting surface; Mount cable glands with IP67 into the holes and tighten the nuts underneath.

Connection Diagram

Connection without isolator/



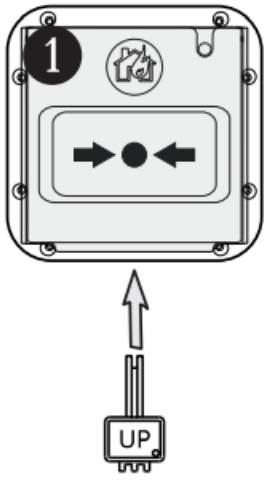
Connection with isolator/



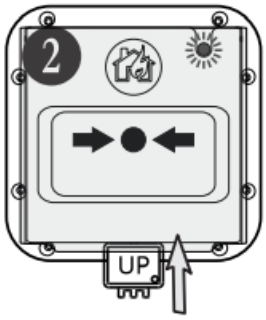
Attention: Power off the loop circuit before installing the SensoIRIS MCP150 IP67!

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

Testing the operation



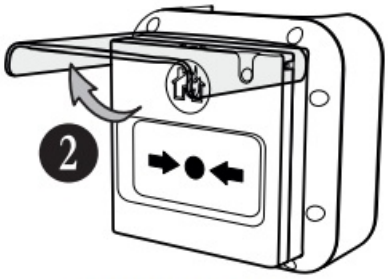
The “UP” mark must be in front /



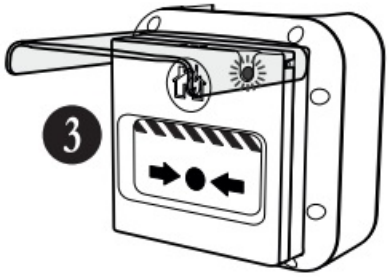
Push upwards - the LED must light on/

Alarm Indication

Stand-by mode



Lift up the cover



To activate a Fire alarm, press the flexible element in the middle - red LED is ON./

Teletek Electronics JSC

- **Address**: 2 Iliyansko shose Str, 1220 Sofia, Bulgaria
- EN 54-11:2001
- EN 54-11:2001/A1:2005
- EN 54-17:2005
- EN 54-17:2005/AC:2007
- EN 60529+A1:2004

Documents / Resources

	SensoIRIS MCP150 IP67 Address Alarm Button [pdf] Installation Guide 18020853, MCP150 IP67 Address Alarm Button, MCP150 IP67, Address Alarm Button, Alarm Button, Button

References

- User Manual