

## FOT-SensoIRIS MCP150PR | FOT-SensoIRIS MCP150PB

*Intelligent analogue addressable fire  
alarm manual call point  
with built-in isolator module*


**CE**  
18

1293  
DoP No: 057  
1293-CPR-0606  
Tested by EVPU

**FOT fire control**

EN 54-11:2001  
EN 54-11:2001 / A1:2005  
EN54-17:2005  
EN 54-17:2005 / AC:2007

### Installation

  $-10^{\circ}\text{C} \div +60^{\circ}\text{C}$   
(93±3)%@+40°C

Indoor Use

 0.5-2.5mm<sup>2</sup>



 ~257 g

## INSTALLATION INSTRUCTIONS

**ATTENTION: FOT-SensoIRIS MCP150PR and F O T - SensoIRIS MCP150PB must be connected only to fire panels, which support FFC communication protocol!**

### General Description

The addressable manual call points FOT-SensoIRIS MCP150PR and FOT-SensoIRIS MCP150PB are designed for application in addressable fire alarm systems, which support FFC communication protocol. The call points have 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 points are powered on from the fire panel and can be controlled via the communication protocol.

### Working Principle

In stand-by mode the LED is blinking on every 10 seconds showing communication with the control panel. Note: The LED indication can be disabled/enabled from the control panel.

To alert for fire alarm situation the user has to break the glass and to press the button - the red LED is on.

To reset the call point back in stand-by mode you have to use the special key to open the front cover. Replace the broken glass with new one - see the item "Maintenance". The call point is resetting automatically with closing the front cover back in place - a click is heard.

The label "Out of commission" can be used until the glass is replaced and the call point is put back into normal operation.

### Testing the Call Point Operation

From the panel menus start a test procedure for fire alarm. Open the front cover of the call point using the key. Press the button to initiate a fire alarm. The red LED lights on. Close the front door of the call point to reset it - a click is heard. Reset the fire panel to normal operation 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
Material (plastic)	ABS
Call point type (method of operation according EN 54-11)	B
Working element (2 parts):	
- Frangible element	non-resettable (a break glass)
- Operating element	resettable (a button)
Indication "Fire alarm"	red LED
Dimensions	125x125x36mm

## ISOLATOR MODULE TECHNICAL SPECIFICATIONS

$V_{max}$	Maximum line voltage	32V
$V_{nom}$	Nominal line voltage	28V
$V_{min}$	Minimum line voltage	15V
$V_{so\ max}$	Maximum voltage at which the device isolates*	7.5V
$V_{so\ min}$	Minimum voltage at which the device isolates*	5.9V
$V_{sc\ max}$	Maximum voltage at which the device reconnects**	6.7V
$V_{sc\ min}$	Minimum voltage at which the device reconnects**	5V
$I_c\ max$	Maximum rated continuous current with the switch closed	0.7A
$I_s\ max$	Maximum rated switching current (e.g. under short circuit)	1.8A
$I_l\ max$	Maximum leakage current with the switch open (isolated state)	16mA
$Z_c\ max$	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

**FOT**<sup>®</sup>  
FIRE CONTROL

## Installation Instructions

1. Open the front cover with the key. Remove the key from the key-lock and keep in safe.
2. Remove the operating element and PCB together - use a flat screwdriver to unlock the plastic fixtures from the supporters.
3. Run the loop wires through the cable openings and mount the box on the place of installation.
4. Set the address of the call point using FOT-SensoIRIS Programmer (connect the 2-pin cable to the PROG terminal on the PCB) or directly from fire panel. The address must be in the range from 1 to 250. Note: The unique ID number of the device is visible on a sticker placed on the back of the front cover.
5. Connect the loop wires to the call point terminals - see the connection diagram.
6. Place back the operating element and PCB into the box and lock the fixtures to the supporters.
7. Remove the label "Out of commission" from the back of the glass.
8. Close the front cover - a click is heard.
9. Test the call point functionality.

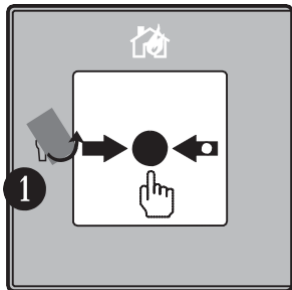
## Connection diagram

Attention: Power off the loop circuit before installing the call point!



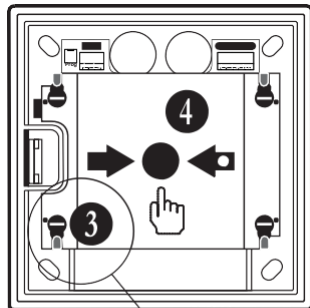
Attention: When you use the integrated short circuit isolator module, connect one of the "+Loop" loop lead to the "Izo" terminal of the call point

## General View



1. Rotate the cover up to view the key-lock.
2. Use the key from the kit elements to open the front cover for maintenance or test.

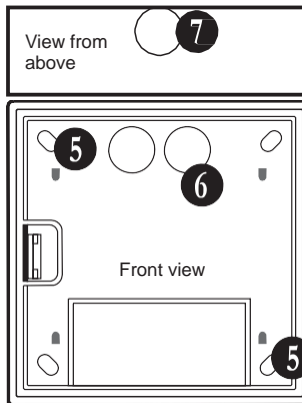
## Elements



Locked Unlocked

3. Use a flat screw-driver to unlock the plastic fixtures from the supporters.
4. Remove the operating element and the PCB together.

## Mounting



5. Mounting holes.
6. Cable entry holes.
7. Additional opening for cable entry, protected with plastic cover. Suitable for cable gland mounting,  $\varnothing 17\text{mm}$

## Maintenance

Changing a broken glass.

Note: The presented views are showing the back side of the front cover.

