

FOT-SensoIRIS MCP150MR

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



1293

DoP No: 058
1293-CPR-0607
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 INSTRUCTIONS

ATTENTION: FOT-SensoIRIS MCP150MR must be connected only to fire panels, which support FFC communication protocol!

General Description

The addressable manual call point FOT-SensoIRIS MCP150MR is designed for application in addressable fire alarm systems, which support FFC 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 call point is 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, color	metal powder-coated, red
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[®]
FIRE CONTROL

! Installation

°C -10°C ÷ +60°C
(93±3)%@+40°C

Indoor Use

0.5-2.5mm²



~500 g

Installation Instructions

1. Open the front cover with the key. Keep the key in a safe place.
2. Run the loop wires through the cable opening and mount the box on the place of installation.
ATTENTION: Do not remove the PCB from the box bottom!
3. Set the address of the call point using FOT-SensorIRIS 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.
4. Connect the loop wires to the call point terminals - see the connection diagram.
5. Remove the label "Out of commission" from the back of the glass.
6. Close the front cover - a click is heard.
7. Test the call point functionality.

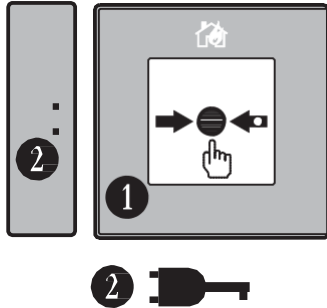
Connection diagram

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



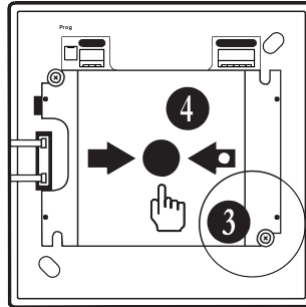
Attention: When you use the integrated short circuit isolator module, connect one of the "+Loop" loop lead to the "Izo" terminal of the

General View



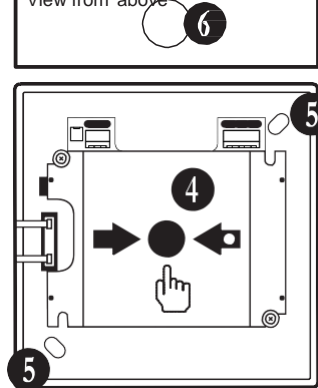
1. To open the front door rotate the call pint on the left side.
2. Use the key from the kit elements to open the front cover for maintenance or test.

Elements

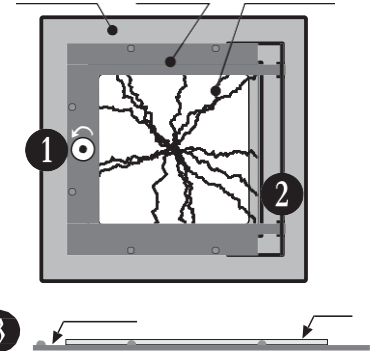


3. Fixing screws.
Attention: DO NOT remove the PCB from the box bottom!
4. Operating element - resettable button.

View from above



the front cover.



ends out of the openings.
back in place.