esp

MAGPRO-CPIP67

Intelligent analogue addressable fire alarm manual call point with built-in isolator module
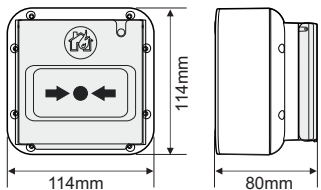
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1293
DoP No: 083
1293-CPR-0538

EN 54-11:2001
EN 54-11:2001/A1:2005
EN 54-17:2005
EN 54-17:2005/AC:2007
EN 60529+A1:2004

! Dimensions

114mm
114mm
80mm

INSTALLATION INSTRUCTIONS

ATTENTION: MAGPRO-CPIP67 must be connected only to fire panels, which support MAGPRO communication protocol!

General Description

The addressable manual call point MAGPRO-CPIP67 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.
MAGPRO-CPIP67 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 MAGPRO Programmer unit or start self- or auto-addressing 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.

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
Installation wires	2.5mm^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

! Installation

IP67

-10°C ÷ +60°C

~262g

Indoor and Outdoor Use

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) *(II max)*	16mA
Maximum series impedance with the switch closed *(Zc max)*	0.12Ω@28VDC; 0.15Ω@15VDC

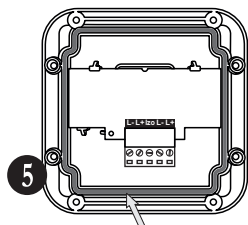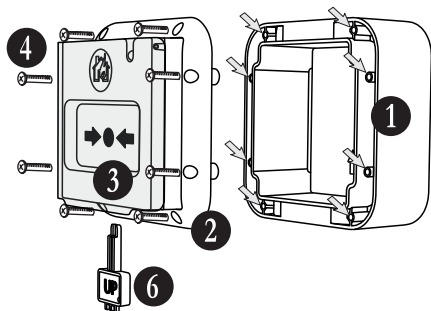** Note: Switches from closed to open; ** Note: Switches from open to closed*

1. 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 back side;
(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).

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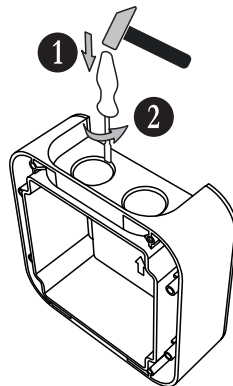
Remove the protective caps of the cable gland holes.
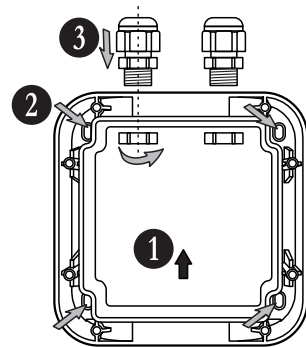
Place the back box in upright position; Mount the back box using screws according the mounting surface; Mount cable glands with IP67 into the holes and tighten the nuts underneath.
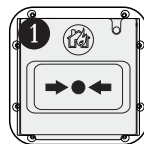
3. Connection Diagram

-Loop — -Loop
+Loop — +Loop
Earth

Attention: Power off the loop circuit before installing the MAGPRO-CPIP67!
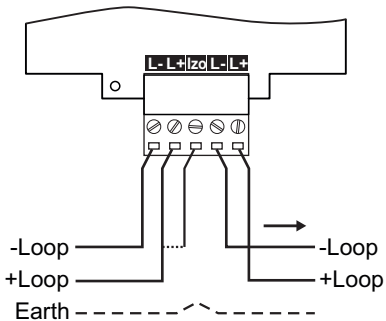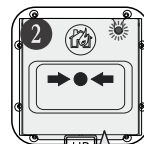
Important: When you use the integrated short circuit isolation module connect one of the "+Loop" loop lead to the "Izo" terminal of the call point.
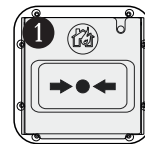
4. Testing the operation
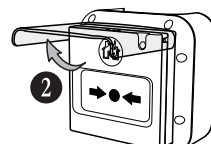

The "UP" mark must be in front

Push upwards - the LED must light on

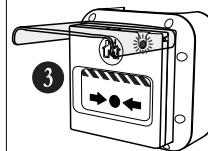## 5. Alarm Indication

Stand-by mode

Lift up the cover

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