# ROP-4001M AND ROP-4001MH MANUAL CALL POINTS (addressable for POLON 4000 system)

## Overview

The ROP-4001M and ROP-4001MH manual call points are designed to send information about a fire to the interoperating fire alarm control panel by a person who notices the fire and manually initiates the call point.

The manual call points may be attached ONLY to the POLON 4000 fire alarm system detection lines/loops.

The ROP-4001M manual call point is designed to be installed indoors, while ROP-4001MH call point is designed for outdoor installation.

## Principles of operation

The ROP-4001M and ROP-4001MH manual call points are actuated (they switch contacts) after striking or firmly pressing the protective glass and pressing the alarm button. This is B type button. The manual call points are equipped with internal short-circuit isolators. The alarm mode is signalled by a flashing red LED diode, which confirms initiation of the fire alarm system. The electronic system of the call point monitors the micro-switch contact resistance; in an event of worsening parameters of the micro-switch the control panel is then properly notified of the said declining status. Same situation occurs in case the short-circuit isolator is initiated and the fault/damage of the EEPROM memory used to address the call point. These circumstances, being of a fault status, are signalled by a yellow flashing LED diode and cause an appropriate fault signal notifying the damage in the control panel.

The manual call point addressing is made automatically from the control panel - the address code is saved in its non-volatile memory.

## Design

The manual call points come in a standard red plastic casing. The hinged transparent cover made of unbreakable plastic protects the element against accidental activation of the call point. The call points are designed for semi-flush wall mounting installation. Surface mounting requires using a special masking frame (ordered separately). Testing of the call points is carried out by analogue initiation the same way as in case of actual fire, that is by striking the cover or applying pressure to it and pressing the alarm button afterwards. The quiescent state is set back after using a special key.

The ROP-4001MH manual call point is equipped with additional seal inside the case, which protects the electronics against weather conditions.

## Technical specifications

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|---|---|
| Operating voltage | 16.5 ÷ 24.6 V |
| Quiescent mode current consumption | < 140 µA |
| Address coding | from control panel |
| Connection cable diameter | 0.8 – 1.2 mm |
| Connection cable reserve | 15 cm |
| Diameter of the hole for semi-flush installation | |
| | dia. 80 mm x 22 mm minimum |
| Ingress protection: | |
| ROP-4001M | IP 30 |
| ROP-4001MH | IP 55 |
| Operating temperature range: | |
| ROP-4001M | from -25 °C to +55 °C |
| ROP-4001MH | from -40 °C to +70 °C |
| Dimensions | 102 x 98 x 46 mm |
| Mass | |
| ROP-4001M | 0.22 kg |
| ROP-4001MH | 0.26 kg |

## NOTE

The manual call points are designed for semi-flush installation, while a special RM-60-R masking frame is applied for surface mounting installation.