esp

MAGPRO-4i0O

EN54-18

! Dimensions

57mm

126mm

176mm

! Installation

IP40

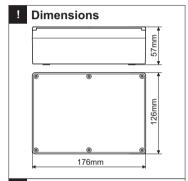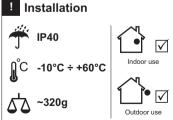-10°C ÷ +60°C

~320g

Indoor use ☑

Outdoor use ☑

CE

1293-CPD-0258

Installation Instructions

! ATTENTION

The MAGPRO-4i0O addressable module must be connected only to fire panels from MAGPRO Series!

General Description

MAGPRO-4i0O is an addressable inputs module. The module monitors 4 analogue input signals.
MAGPRO-4i0O is powered on from the fire panel and can be controlled via the communication protocol.
The module is mounted is a separate small plastic box suitable for wall mounting.
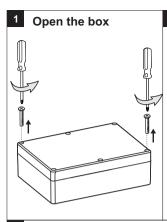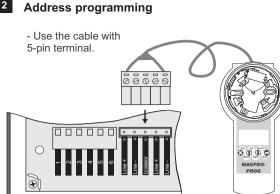
Installation

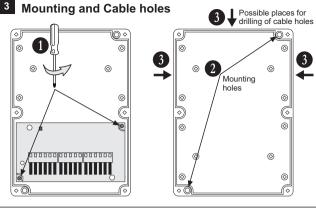**Attention: Power off the loop circuit before installing the MAGPRO-4i0O addressable module!**

1. Choose the proper place for installation of the module. Undo the screws of the cover and open the box.
2. Set the module address using MAGPRO-PROG programming tool. The address must be in the range from 1 to 250. The set address is one for the entire module.
3. Dismount the module's PCB from the box bottom. Mark mounting holes on the installation surface. Drill holes at the appropriate box side and run the cables to the module's loop and input terminals.
4. Mount the box bottom at the place of installation. Mount the PCB back on place.
5. Connect the cables to the loop and input terminals of the module according the shown Connection diagrams.
6. Close the cover of the plastic box and fix it to the bottom with the supplied screws.
7. Test the module for proper operation and LED indication.
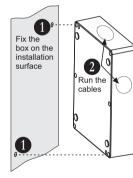
TECHNICAL SPECIFICATIONS

Operating voltage . . . . 15÷ 32 VDC
Consumption stand-by mode . . . . 300µA@27VDC
Nom. current consumption . . . . 330µA@27VDC
Current consumption with 1 LED on 4mA
Current consumption with 2 LEDs on 7mA
Installation wires . . . . 0,4mm^2 ÷ 2.0mm^2
Relative humidity . . . . ≤93% @ +40°C
Material (plastic) . . . . PS
Color . . . . Gray
Standard EN54-18

1 Open the box

2 Address programming

- Use the cable with 5-pin terminal.

Line +　Line -　Izolator　Line +　Line -

MAGPRO-PROG
Modify　Right　Enter

3 Mounting and Cable holes

3 Possible places for drilling of cable holes

2 Mounting holes

4 Installation

1 Fix the box on the installation surface

2 Run the cables

5 Connection diagrams

LED (red-yellow)

| Input 1 | Input 2 | Loop IN | Isolator | Loop OUT | Input 3 | Input 4 |

1　2　3　4　5　6　Line +　Line -　Izolator　Line +　Line -　7　8　9　10　11　12

56k　56k　56k　56k

56k　56k　56k　56k

+ -　+ -
Loop　Loop

ATTENTION: *When you use the integrated short circuit isolation module connect one of the "+Loop" loop lead to the "Isolator" terminal of the module.*

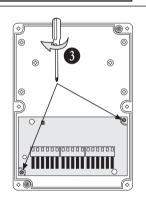## ! LED Indication

■ The RED LED Lights on, when at least one of the inputs is turned on (state ON)

□ The YELLOW LED Lights on, when at least one of the inputs is in SHORT or OPEN condition, i.e. there is an input in fault condition

☼ The RED LED is blinking when communication between the module and fire panel is running on
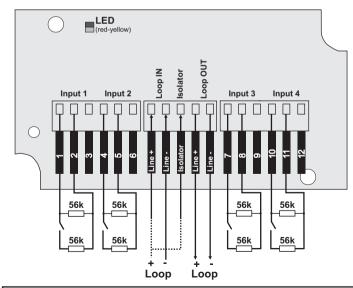
NOTE: *In situations when both the red and yellow LEDs are lighting on the actual color is recognized as orange*

! INPUTS Status

Status	Description	R*	I**
SHORT	Short circuit	<13k	>54µA
ON	Activation	13k - 36k	38µA - 54µA
NORMAL	Stand-by mode	36k - 90k	23µA - 38µA
OPEN	Open circuit	>90k	<23µA

*** R** - *resistance between the input and GND*
**** I** - *current at the input*