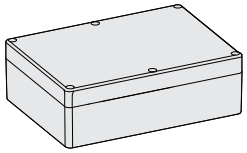
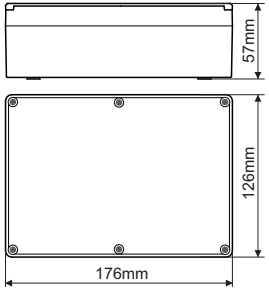


MAGPRO-1OSi

EN54-18

! Dimensions



! Installation

IP65

-10°C ÷ +60°C

~320g

Indoor use ☑

Outdoor use ☑

CE

Installation Instructions

! ATTENTION: The MAGPRO-1OSi addressable module must be connected only to fire panels from MAGPRO Series!

General Description

MAGPRO-1OSi is an output control module designed for application in addressable fire alarm systems, supporting MAGPRO communication protocol.

The module monitors and transfers to control panel the status of the output - short circuit, interruption or missing of power supply in the circuit.

The module will stay OFF if there is a fault in the output circuit. The module automatically switches OFF in case of fault condition in the output circuit. The module will switch ON to normal operation when the fault in the output circuit is eliminated. The module is mounted is a separate small plastic box suitable for wall mounting, with transparent cover for visual inspection.

Installation

Attention: Power off the loop circuit before installing the MAGPRO-1OSi 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 Programmer or directly from addressable fire panel. The address must be in the range from 1 to 250. Use an appropriate sticker to write down the set address and to label the 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 terminals.
4. Mount the box bottom at the place of installation. Mount the PCB back on place.
5. Connect the cables according the shown Connection diagrams:
- Connect the wires of the external power supply to the terminals PW+ and PW- of the module as shown on the connection diagram;
- Connect the wires of the output to terminals "OUT+" and "OUT-" of the module as shown on the connection diagram;
- Connect the wires of the communication line - with or without using the built-in isolator.
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.

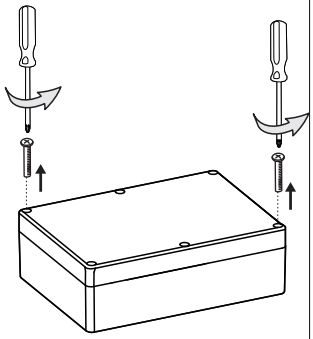
TECHNICAL SPECIFICATIONS

Operating voltage	15÷ 32 VDC
Permissible voltage ripple	3.0Vpp@27VDC
Output electrical characteristics (max.)	DC 28V/ 0.75A; AC 120V/ 0.5A
Max. current consumption in STAND-BY mode	270μA@27VDC
Current consumption with 1 LED ON - relay or fault condition	3.6mA
Max. cross-section of the cable	2.5mm^2
Relative humidity	≤93% @ +40°C
Material (plastic)	ABS
Color	White
Standard	EN54-18

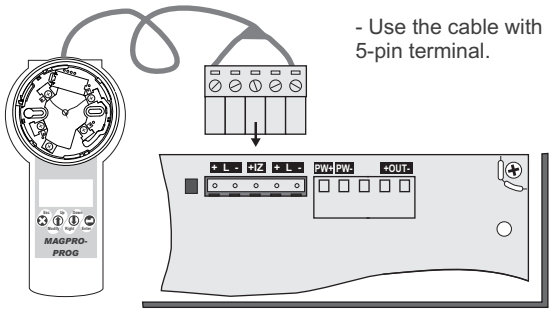
Distributor: Elite Security Products Ltd, Unit 7 Target Park, Shawbank Road Lakeside, Redditch B98 8YN, UK http://www.espuk.com
Manufacturer: Teletek Electronics JSC, 14 Srebarna Str., 1407 Sofia, Bulgaria, http://www.teletek-electronics.com

18020171; RevB; 09/2014

1 Open the box

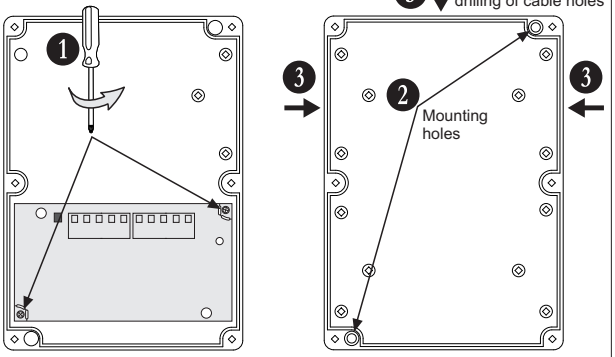


2 Address programming

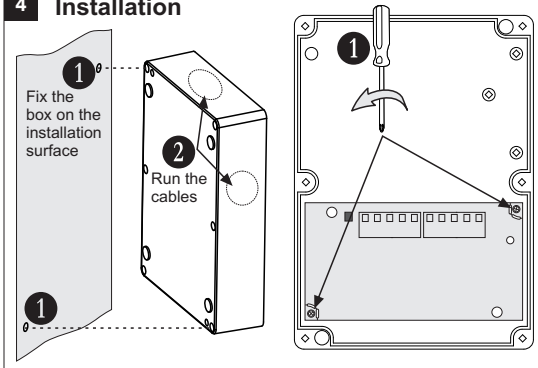


- Use the cable with 5-pin terminal.

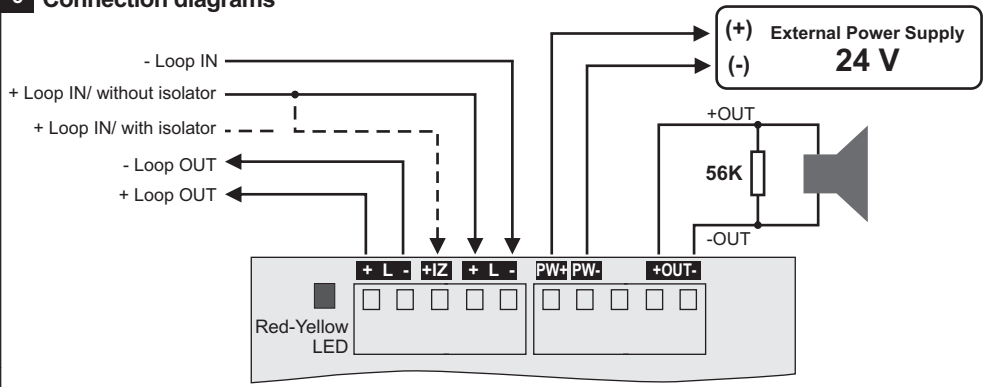
3 Mounting and Cable holes



4 Installation



5 Connection diagrams



Description of the connection diagram:

-L ***(-Loop IN)*** - Connect the negative wire of the input communication line, not depend on using the internal isolator.
+L ***(+Loop IN/ without isolator)*** - Connect the positive wire of the input communication line, in cases when the internal isolator module (build-in in MAGPPRO-1OSi) is not used.
+IZ ***(+Loop IN/ with isolator)*** - Connect the positive wire of the input communication line, in cases when the internal isolator module (build-in in MAGPPRO-1OSi) is used.
-L ***(-Loop OUT)*** - Connect the negative wire of the output communication line.
+L ***(+Loop OUT)*** - Connect the positive wire of the output communication line.
PW+ (Power +) - Connect the positive wire of the external power supply of the output.
PW- (Power -) - Connect the negative wire of the external power supply of the output.
+OUT - Connect the positive wire of the output.
-OUT - Connect the negative wire of the output.

! LED Indication

In normal operation mode the **red LED** blinks at every communication between the module and the fire panel.
The red LED lights on permanently when the output is activated.
The **yellow LED** lights on permanently in case of the following conditions in the output line:
- Short circuit in the line;
- Open line;
- External power supply fault.

The LED activation can be disabled from panel menu:
System-Programming-Devices-Loop Devices-MORE.