

MAGPRO-WS

Intelligent analogue addressable fire alarm sounder MAGPRO-WS



1293

DoP No: 040

1293-CPR-0463 Rev.1

EN54-3:2001

EN54-3:2001/A1:2002

EN54-3:2001/A2:2006

Sounder Type B

Distributor: Elite Security Products Ltd,
Unit 7 Target Park, Shawbank Road
Lakeside, Redditch B98 8YN, UK
<http://www.espuke.com>

Manufacturer: Teletek Electronics JSC
Address: 14A Srebarna Str, 1407 Sofia, Bulgaria
[Http://www.teletek-electronics.com](http://www.teletek-electronics.com)

Essential characteristics	Performance
Performance under fire conditions	Pass
Operational reliability	Pass
Durability:	
Temperature resistance	Pass
Humidity resistance	Pass
Shock and vibration resistance	Pass
Corrosion resistance	Pass
Resistance to ingress	Pass
Electrical stability	Pass

Installation Instruction

MAGPRO-WS is an addressable Wall Mount Sounder designed for installing in addressable fire alarm systems supporting MAGPRO communication protocol. The device is powered on from the panel and can be controlled via the communication protocol.

The device SensorIS WS is compatible with fire base MAGPRO-DB for ceiling or wall mounting and WSB IP65 for wall mounting.

Attention: Power off the loop circuit before installing the MAGPRO-WS addressable fire base!

1. Choose the proper place for installation of the device.
2. Set the device address using MAGPRO-PROG Programmer or directly from addressable fire panel. The address must be in the range from 1 to 250.
3. Mount the fire base on the ceiling or on the wall of the protected premises using fixings according the mounting surface.
4. Connect the base to the fire panel using the wiring diagram.
5. Insert the sounder into the base and rotate clockwise until it drops into place - the short mark on the base fits with that on the sounder body. Continue to rotate the sounder until its mark coincides with the long mark on the base - a click is heard.
6. Program the device parameters. Choose in consecutiveness from the control panel: *System - Programming - Devices - Loop*. Find the installed sounder, as enter address, loop and zone number - the panel automatically will recognize the type of the device. Choose the button *MORE* to enter in the additional settings menu.
7. Test the sounder for proper operation.

TECHNICAL SPECIFICATIONS

Operating Voltage Range 15 - 32VDC (Nom. 27VDC)

Nominal consumption (stand-by) <500µA@27VDC

Maximal consumption (main tone type 27):

- low volume level. <5mA
- high volume level <16.5mA

Maximal consumption (other tone types):

- low volume level. <4mA
- high volume level <10mA

Power volume (main tone type 27):

- low volume ~ 80dB (A) ± 6dB @ 1m
- high volume ~ 92dB (A) ± 5dB @ 1m

Power volume (other tone types):

- low volume 75-85dB ± 3dB @ 1m
- high volume 80-95dB ± 3dB @ 1m

Number of tone types 32

Supported communication protocol. MAGPRO

Wire Gauge for terminals 2.5mm²

Relative humidity resistance (93 ± 3)% @ 40°C

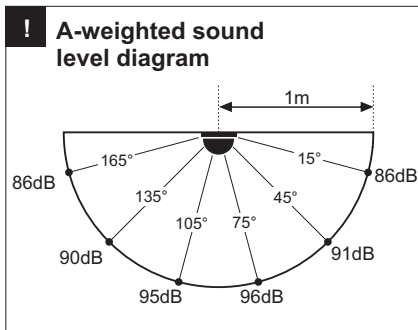
Dimensions 116x55mm

Color red

Material ABS

ATTENTION: Read carefully this installation Instructions before installing the device!

This manual is subject to change without notice!



! Installation

IP43C (EN54-3)*
IP65 (EN60529)**

-10°C ÷ +50°C

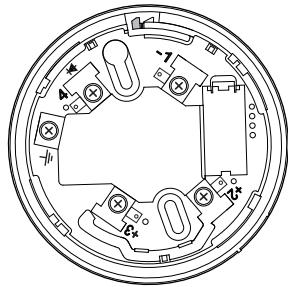
~183g

Indoor use*

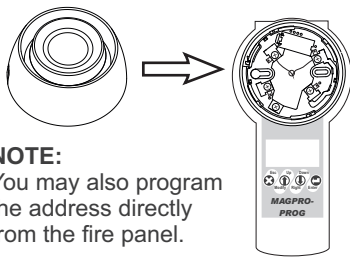
Outdoor use**

* When used with base MAGPRO-DB
** When used with base WSB IP65

1 Base MAGPRO-DB

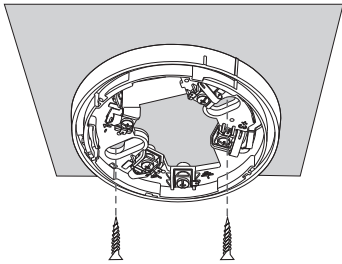


2 Address programming

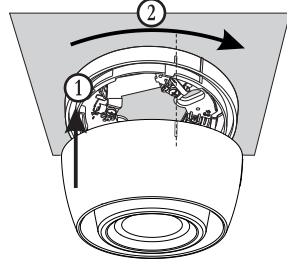


NOTE:
You may also program the address directly from the fire panel.

3 Mounting MAGPRO-DB



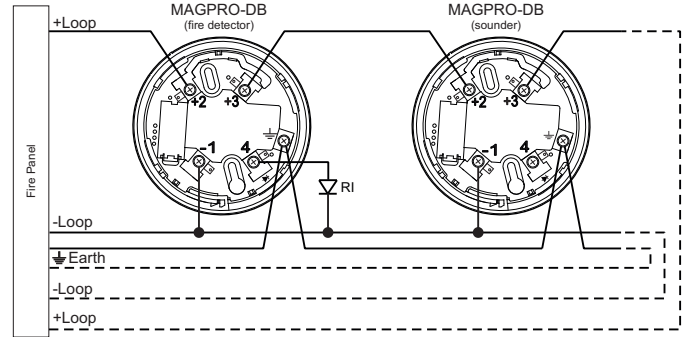
4 Mounting the sounder



Tone types and description

Tone	Tone Type	Tone Description
1		970Hz
2		800Hz/970Hz @ 2Hz
3		800Hz - 970Hz @ 1Hz
4		970Hz 1s OFF/1s ON
5		970Hz, 0.5s/ 630Hz, 0.5s
6		554Hz, 0.1s/ 440Hz, 0.4s (AFNOR NF S 32 001)
7		500 - 1200Hz, 3.5s/ 0.5s OFF (NEN 2575:2000)
8		420Hz 0.625s ON/0.625s OFF (Australia AS1670 Alert tone)
9		500-1200Hz, 0.5s/0.5s OFF x 3/1.5s OFF (AS1670 Evacuation)
10		550Hz/440Hz @ 0.5Hz
11		970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201)
12		2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201)
13		1200Hz - 500Hz @ 1Hz (DIN 33 404)
14		400Hz
15		550Hz, 0.7s/1000Hz, 0.33s
16		1500Hz - 2700Hz @ 3Hz
17		750Hz
18		2400Hz
19		660Hz
20		660Hz 1.8s ON/1.8s OFF
21		660Hz 0.15s ON/0.15s OFF
22		510Hz, 0.25s/ 610Hz, 0.25s
23		800/1000Hz 0.5s each (1Hz)
24		250Hz - 1200Hz @ 12Hz
25		500Hz - 1200Hz @ 0.33Hz
26		2400Hz - 2900Hz @ 9Hz
27		2400Hz - 2900Hz @ 3Hz (2500Hz - main sound frequency)
28		800Hz - 970Hz @ 100Hz
29		800Hz - 970Hz @ 9Hz
30		800Hz - 970Hz @ 3Hz
31		800Hz, 0.25s ON/1s OFF
32		500Hz - 1200Hz, 3.75s/0.25s OFF (AS2220)

Wiring Diagrams



RI - Remote Indicator; **+Loop** - Positive loop wire; **-Loop** - Negative loop wire