

## MAGPRO-WSS

Intelligent analogue  
addressable fire alarm sounder  
and strobe MAGPRO-WSS



17

1293

DoP No: 004

1293-CPR-0404 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.espuk.com>

**Manufacturer:** Teletek Electronics JSC  
Address: 14A Srebarna Str, 1407 Sofia, Bulgaria  
<http://www.teletek-electronics.com>

## Installation Instruction

MAGPRO-WSS is an addressable Wall Mount Sounder and Strobe (Flash) 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.

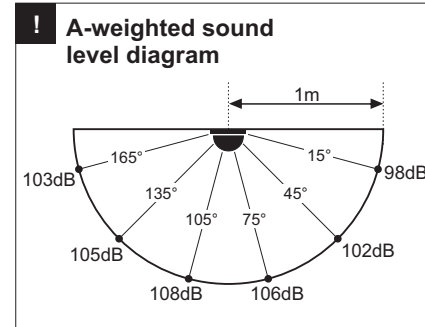
The device MAGPRO-WSS is compatible with fire base MAGPRO-DB for ceiling or wall mounting and WSB IP65 for wall mounting.

**Attention: Power off the loop circuit before installing the MAGPRO-WSS 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 and strobe 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	<13mA
Maximal consumption (other tone types):	
- low volume level	<3mA
- high volume level	<10mA
Power volume (main tone type 27):	
- low volume (up to 60 pcs MAGPRO-WSS to the loop)	~ 80dB (A) ± 3dB @ 1m
- high volume (up to 30 pcs MAGPRO-WSS to the loop)	~ 92dB (A) ± 5dB @ 1m
Power volume (other tone types):	
- low volume (up to 60 pcs MAGPRO-WSS to the loop)	75-85dB ± 3dB @ 1m
- high volume (up to 30 pcs MAGPRO-WSS to the loop)	80-95dB ± 3dB @ 1m
Number of tone types	32
Supported communication protocol	MAGPRO
Wire Gauge for terminals	2.5mm <sup>2</sup>
Relative humidity resistance	(93 ± 3)% @ 40°C
Dimensions	116x55mm
Color	red
Material	SAN, transparent



## Installation



IP43C (EN54-3)\*



IP65 (EN60529)\*\*



Indoor use\*



-10°C ÷ +50°C



Outdoor use\*\*



~183g

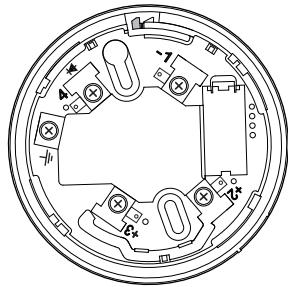
\* When used with base MAGPRO-DB

\*\* When used with base WSB IP65

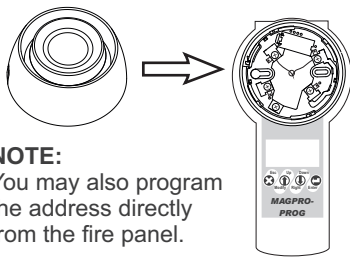
Essential characteristics	Performance
Performance under fire conditions	Pass
Operational reliability	Pass
Durability of operational reliability and response delay: temperature resistance	Pass
Durability of operational reliability: humidity resistance	Pass
Durability of operational reliability: shock and vibration resistance	Pass
Durability of operational reliability: corrosion resistance	Pass
Durability of operational reliability: corrosion resistance	Pass
Durability of operational reliability: resistance to ingress	Pass

**ATTENTION: Read carefully this installation instructions before installing the device! This manual is subject to change without notice!**

### 1 Base MAGPRO-DB

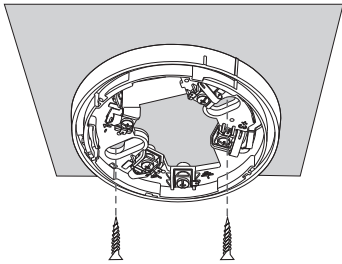


### 2 Address programming

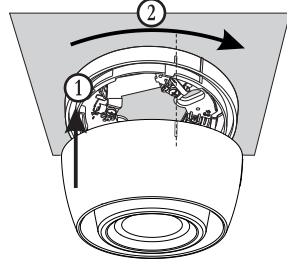


**NOTE:**  
You may also program the address directly from the fire panel.

### 3 Mounting MAGPRO-DB



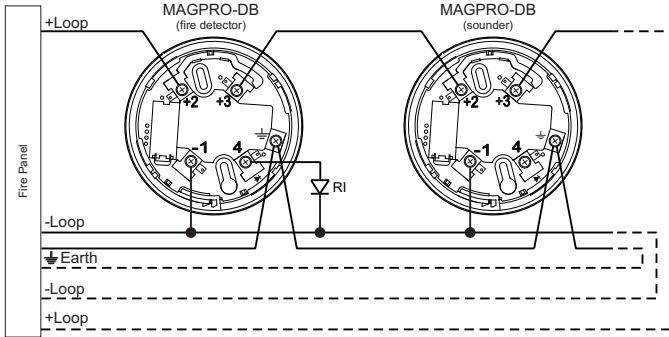
### 4 Mounting the sounder



### 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