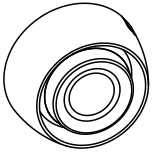
CE 17
1293
DoP No: 032
1293-CPR-0461 Rev.1

EN54-3:2001
EN54-3:2001/A1:2002
EN54-3:2001/A2:2006
EN54-23:2010
Fire alarm devices - Visual alarm device (VAD) intended for use in and around buildings
Sounder Type: B
Coverage volume: W-2,4-6

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

Essential characteristics	Performance
Performance under fire conditions	Pass
Operational reliability	Pass
Duration of operation	Pass
Provision for external conductors	Pass
Flammability of materials	Pass
Enclosure protection	Pass
Access	Pass
Manufacturer's adjustments	Pass
On-site adjustments of behavior	Pass
Requirements for software controlled devices	Pass
Coverage volume	Pass
Variation of light output	Pass
Min. and max. light intensity	Pass
Light color	White
Light temporal pattern/ frequency of flashing	Pass
Marking and data	Pass
Synchronization	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-WSS23

Intelligent analogue addressable fire alarm sounder and strobe

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

MAGPRO-WSS23 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-WSS23 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-WSS23 addressable fire base!

1. Choose the proper place for installation of the device.
2. Set the device address using MAGPRO-PROG Programmer. 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, sound only . . . . . <5mA
- low volume level, sound and strobe. . . . . <12mA
- high volume level, sound only . . . . . <16.5mA
- high volume level, sound and strobe . . . . . <22mA

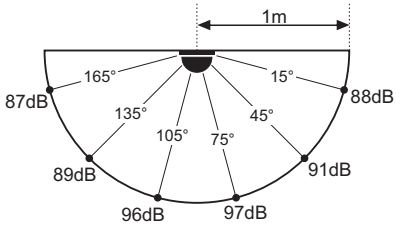
Maximal consumption (other tone types):
- low volume level, sound only . . . . . <4mA
- low volume level, sound and strobe. . . . . <11mA
- high volume level, sound only . . . . . <10mA
- high volume level, sound and strobe . . . . . <16.5mA

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 . . . . . 2.5mm^2
Relative humidity resistance . . . . . (93 ± 3)% @ 40°C
Color . . . . . white transparent
Material . . . . . SAN
Dimensions 116x55mm

! A-weighted sound level diagram



! Installation

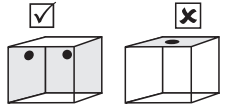
IP43C (EN54-3)*
IP65 (EN60529)**

-10°C ÷ +50°C

~183g

Indoor* ☑ Outdoor** ☑

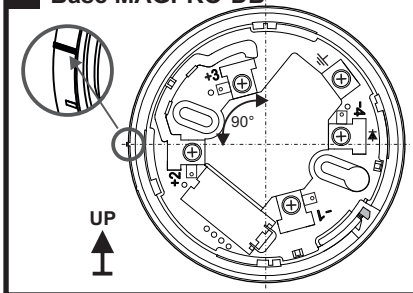
Visual Alarm Device (VAD) - EN54-23



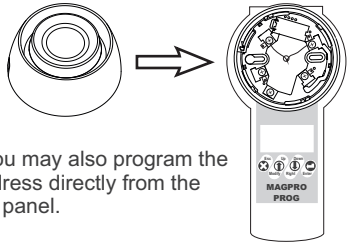
* *When used with base MAGPRO-DB*
** *When used with base WSB IP65*

18020265; RevB; 01/2018

1 Base MAGPRO-DB

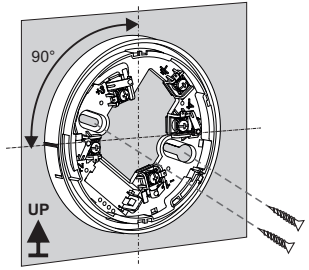


2 Address Programming

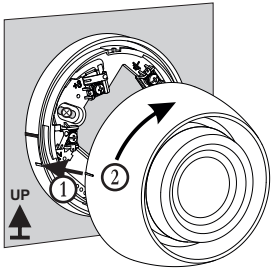


- You may also program the address directly from the fire panel.

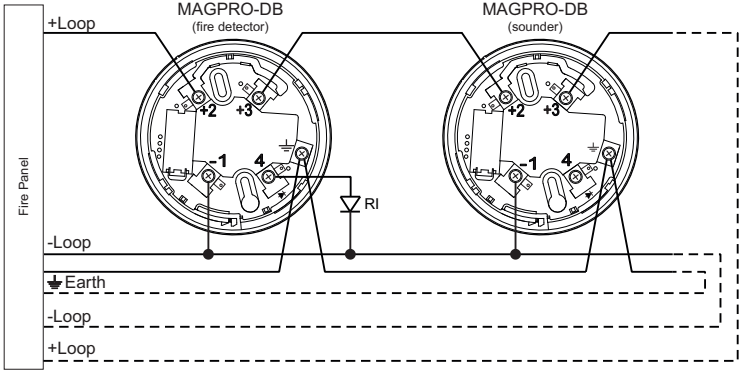
3 Mounting base MAGPRO-DB



5 Mounting the sounder



4 Connection diagram



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

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)