MAGPRO-DBSS1

Intelligent analogue addressable fire alarm base with built-in sounder strobe
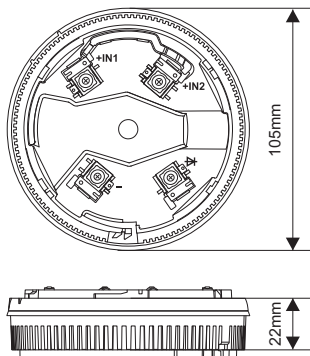
CE 23
1293
DoP No: 196
Tested by EVPU
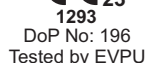
EN 54-3:2001
EN 54-3:2001/A1:2002
EN 54-3:2001/A2:2006
Sounder Type: A

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

Manufacturer: Teletek Electronics JSC, 2 Iliyansko shose Str., 1220 Sofia, Bulgaria, http://www.teletek-electronics.com

! Dimensions

105mm
22mm

Important Notes!

! Attention!	! Product Compatibility!
MAGPRO-DBSS1 must be connected only to MAGPRO Series fire panels with following software versions: MAGPRO16 ver.6.6.2 and higher; MAGPRO96 ver.4.5.2 and higher; MAGPRO9601 ver.1.1.3 and higher!	MAGPRO-DBSS1 sounder is compatible for mounting on MAGPRO-DB - Standard low profile base for addressable detectors and sounders. For all new installations including MAGPRO-DBSS1 sounders you must provide also the same quantity of MAGPRO-DB bases according the system configuration. The standard bases MAGPRO-DB must be purchased separately!

General Description

MAGPRO-DBSS1 is an addressable sounder strobe with base. The sounder is designed for installing in addressable fire alarm systems which support operation via MAGPRO communication protocol.
The device is powered on from the panel and can be controlled via the communication protocol.
MAGPRO-DBSS1 supports 32 different tone types at two sound levels. The tone type and sound level are programmed from the control panel.
The MAGPRO-DBSS1 is compatible for operation with MAGPRO addressable detectors series: MAGPRO-SD1, MAGPRO-HD1 & MAGPRO-HSD1.
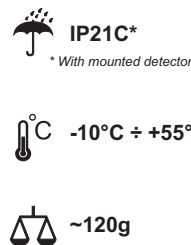
Installation Instruction

Attention: Power off the loop circuit before installing the MAGPRO-DBSS1 addressable sounder strobe!

1. Choose the proper place for installation of the device.

2. Set the device address using MAGPRO-PROG or directly from addressable fire panel. The address must be in the range from 1 to 250.

3. Mount the standard base MAGPRO-DB. If you want to "lock" the sounder to the standard base, remove the little "tooth" on the top of the locking mechanism of the base.

4. Connect the standard base to the fire panel using the wiring diagrams.

5. Insert the MAGPRO-DBSS1 sounder into the standard base and rotate it clockwise until it drops into place - the short mark on the standard base fits with the long mark on the sounder body. Continue to rotate the sounder until the short and the long marks coincides with those on the base - a click is heard.

6. Insert a detector - MAGPRO-SD1, MAGPRO-HD1 or MAGPRO-HSD1 - into the sounder strobe base and rotate clockwise until it drops into place - the short mark on the sounder fits with that on the detector. Continue to rotate the detector until its mark coincides with the long mark on the sounder - a click is heard. If you want to "lock" the detector to the sounder before installation, remove the little "tooth" on the top of the locking mechanism of the sounder. Note: The mounted detector on the MAGPRO-DBSS1 sounder is assigned at different address to the control panel!

7. Program the sounder parameters. Refer to the programming manual of the MAGPRO series of control panels for more details.

8. Test the sounder strobe for proper operation.

9. If the sounder has been locked to the base, to remove it for a service schedule maintenance and cleaning, you have to use the special tool available in all MAGPRO standard bases. Light press with the tool into the base opening and at the same time rotate the sounder body counter-clockwise.
The same way is used for unlocking a detector from the MAGPRO-DBSS1 addressable sounder.

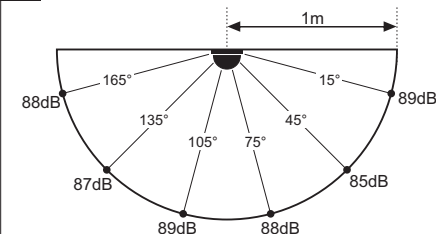|	
Operating Voltage Range	16 - 32VDC
Maximal consumption at communication	470 µA @ 27VDC
Maximal consumption:	
- main tone type 27, low volume level	3 mA @ 27VDC
- main tone type 27, high volume level	10 mA @ 27VDC
Power volume (main tone type 27):	
- low volume	~ 81dB (A) ± 3dB @ 1m
- high volume	~ 88dB (A) ± 3dB @ 1m
Power volume (other tone types):	
- low volume	~ 81dB (A) ± 3dB @ 1m
- high volume	~ 87dB (A) ± 3dB @ 1m
Frequency of the strobe flashing	1Hz
Number of tone types	32
Supported communication protocol	MAGPRO
Relative humidity resistance	(93 ± 3)% @ +40°C
Color	White
Material	SAN, transparent
Dimensions	105 x 22 mm

! Installation

IP21C*
* With mounted detector

°C **-10°C ÷ +55°C**

~120g

Indoor use ☑

Outdoor use ☒

! A-weighted sound level diagram

1m
88dB — 165° — 15° — 89dB
135° — 45°
105° — 75°
87dB — 85dB
89dB — 88dB

18021242; RevB; 06/2024

1 Standard Bases - Locking & Unlocking

MAGPRO-DB

ø103x11mm
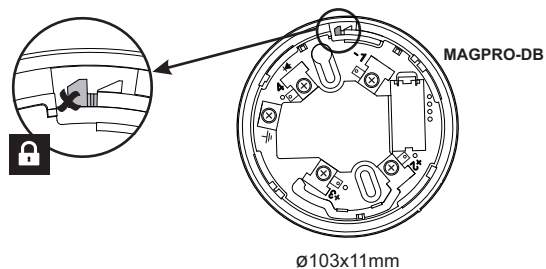
Unlocking the sounder from the base

2 Standard Base - Mounting

MAGPRO-DB

Mounting marks

Use suitable screws according the type of the mounting surface

3 Address Programming

Note: You may also program the address directly from the fire panel.
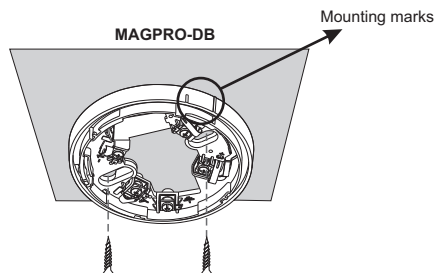
Programmer MAGPRO

4 Connection Diagram

⚠ **Attention: DO NOT CONNECT the Earth terminal (⏚) of MAGPRO-DB base to the loop line!**

+Loop

MAGPRO-DB   MAGPRO-DB

+2   +3   +2   +3

-1   4 (RI)   -1   4 (RI)

▽ RI   ▽ RI
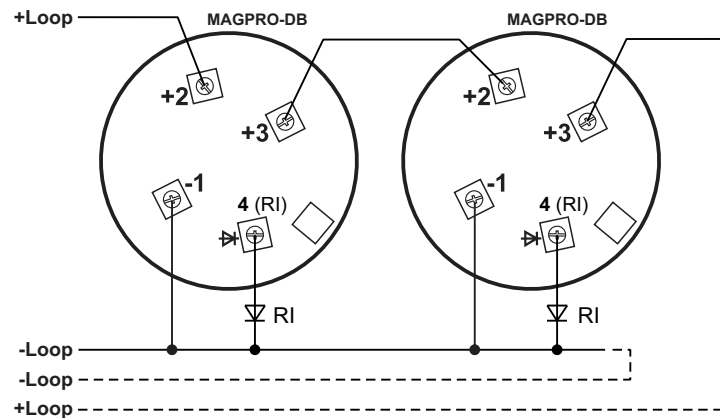
-Loop
-Loop
+Loop

Legend

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

5 Installation

① ② ③ ④ ⑤
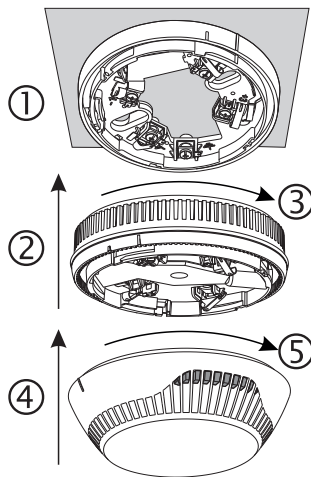
At the end of installation, the long marks of the standard base and DBSS1 sounder must coincide with the single mark of the mounted detector.
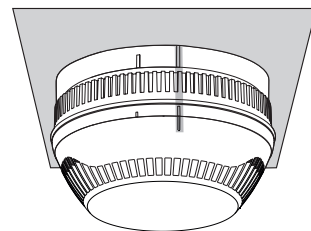
🔔 **Tone types and description**

Tone	Tone Type	Tone Description / Application
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		600Hz – 1100Hz, 2.6s/0.4s OFF