

INSTALLATION NOTE MAGIC.SENS MSS 401

Fixing notes

The sounder is designed for surface mounting and is provided for rear and surface cable entry. The sounder insert has to be removed before fixing the mounting base. To release the sounder insert, fixing clamps have to be pushed in direction of the arrows (Fig.2). for rear cable entry, conduit box mounting, feed the cable through the openings. For surface cable feed, please break out the prepared cable entries. Install the mounting base with two screws on a flat dry surface. Therefore, only the prepared fixing bores may be used (see Fig. 2)!

Technical Data

Dimensions : see Figure 1 and Figure 2
 IP-Rating (as per EN 60529): IP30
 Environmental category: Type A
 Operating temperature: -10°C . . . +55°C
 Storage temperature: -25°C . . . +85°C
 Housing material: ABS plastics
 Terminals:In/Out, for wires 0,28 - 2,5mm²
 EN54-3

Operating voltage AUX: 9V - 15V DC / 15 - 28V DC
 Operating voltage LSN: 15V - 30V DC
 Current consumpt. from LSN (standby):300µA ±100µA
 Current consumpt. from LSN (salarm):575µA - 1025µA
 External current consumption (standby): max. 2mA
 External current consumption (alarm): max. 20mA
 (depending on the selected tone)
 Bosch order number: 4.998.102.859
 CPD-Number: 0786-CPD-20186

Figure 1: Dimensions

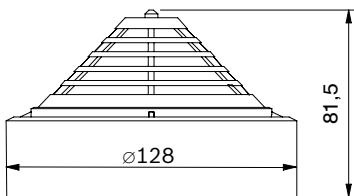


Figure 2: Installation details

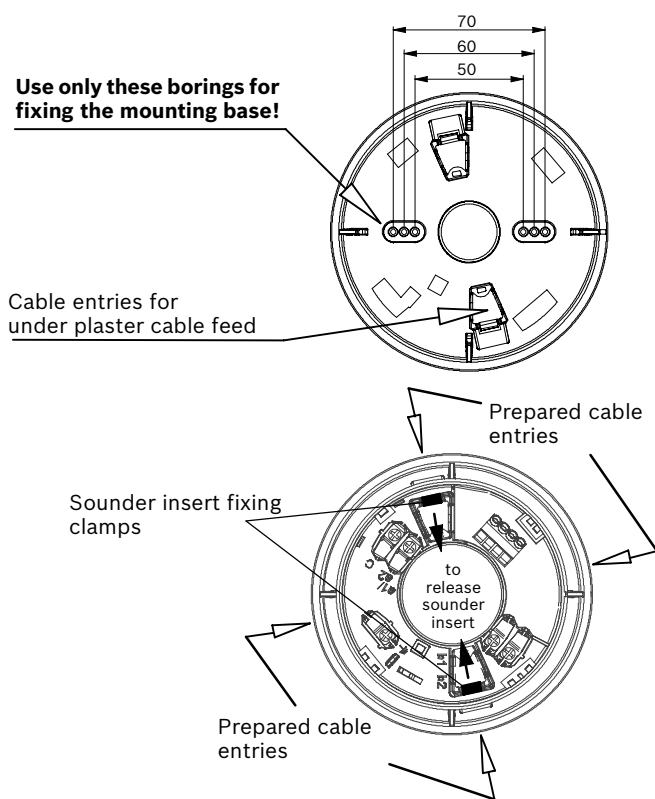


Figure 3: Mounting order

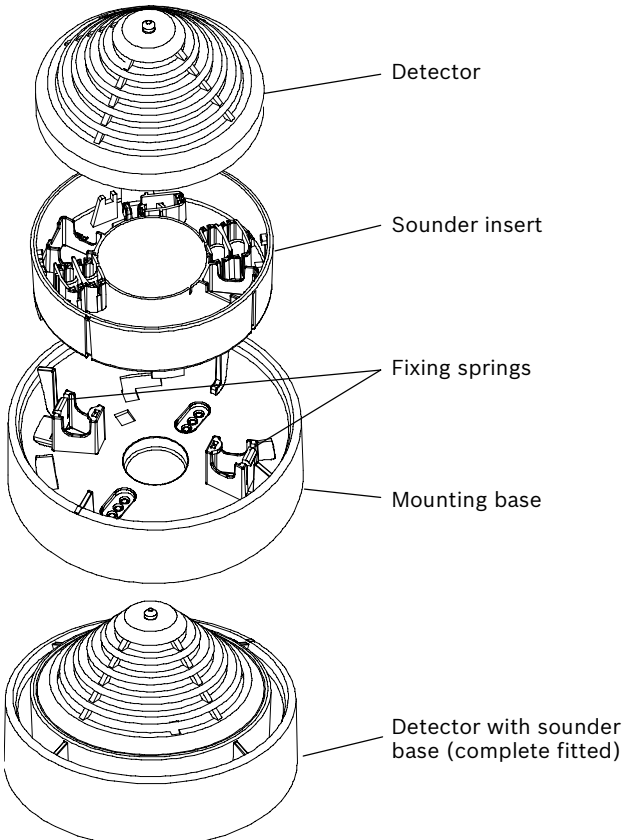
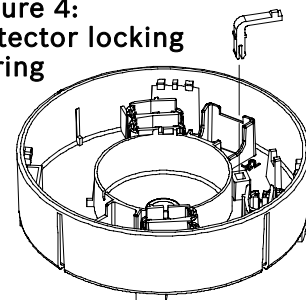


Figure 4: Detector locking spring



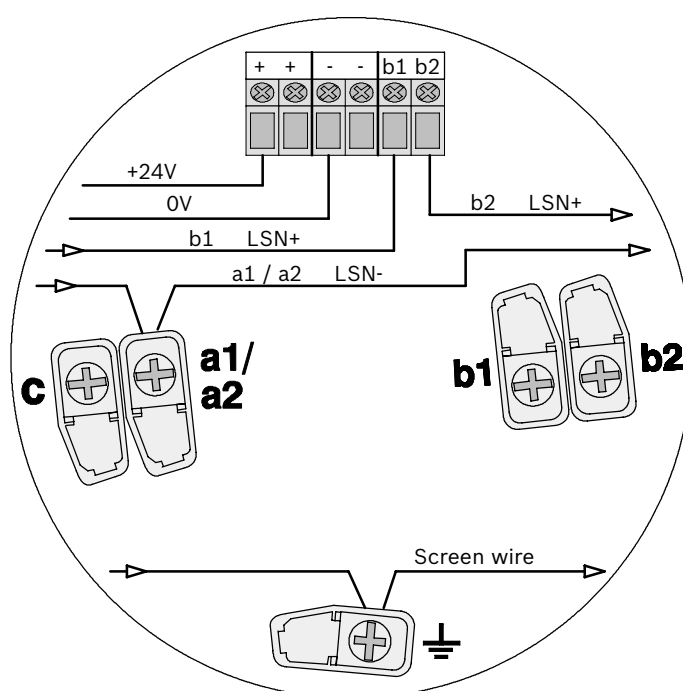
Tone table

The sounder provides 11 different tones with additional second tone option (see table below). The sound intensity is selectable in 4 steps via the software WinPara. The tone selection follows also via WinPara. Both tones can be activated separately, whereby a subsequently activation of the second tone switches off the first tone.

Tone	Tone type, Description	Frequency, Modulation	2. Tone (not BZ 500)	Current consumption [mA] at 24V	Sound intensity at 24V [dB(A)] ± 2 dB
1	Sweeping, DIN - tone	1200 - 500Hz 1Hz	970 Hz, Continuous	max. 20	97
2	Sweeping (LF), BS 5839, Teil 1, 1988	800 / 970Hz 1Hz	970 Hz, Continuous	max. 20	96
3	Sweeping, Australian tone, AS 2220	2400-2850Hz 7Hz	970 Hz, Continuous	max. 20	92
4	Sweeping for 3,5s, 0,5s off, Dutch tone	500-1200Hz 3,5s On / 0,5s Off	970 Hz, Continuous	max. 20	97
5	Continuous, BS 5839, Part 1, 1988	970Hz	610 Hz, Continuous	max. 20	97
6	Alternating tone, French tone	554Hz / 100ms 440Hz / 400ms	970 Hz, Continuous	max. 20	94
7	Continuous, Swedish tone	660Hz	970 Hz, Continuous	max. 20	95
8	Alternating tone, Low power	580Hz / 500ms 1000Hz / 500ms	610 Hz, Continuous	max. 20	97
9	Pulsed tone, Low power	580Hz 0,25s On / Off	610 Hz, Continuous	max. 20	93
10	USA temporal 3 tone, ISO 8201	610Hz	970 Hz, Continuous	max. 20	95
11	USA temporal 3 tone, ISO 8201	2850Hz	970 Hz, Continuous	max. 20	96

Connection

Clamp	Description
a1 / a2	LSN -
b1 , b2	LSN + (coming / going)
⏏	screen wire (has to be isolated and as short as possible)
+	24V External power supply of the sounder module
+	
-	0V External power supply of the sounder module
-	



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