

DS 10 Sounders

www.boschsecurity.com



BOSCH
Invented for life



The DS 10 sounders are acoustic signaling devices for connection to fire panels, available for operating voltage 230 V AC or 24 V DC.

Functions

The DS 10 sounders have an integrated tone generator with a selection of 6 sound variants, including DIN tones conforming to EN 457 (DIN 33404).

Depending on the tone type, volume set, and operating voltage, the sound pressure level varies between 105 dB(A) and 110 dB(A).

The programming/coding is undertaken via DIP switches in the signaling device.

The DS 10 sounders can be used as a monitored and non-monitored signaling devices.

Certifications and approvals

VdS ID number: **G 28 609**
CE DS 10
EN54-3: 2006



- ▶ Very robust housing made of 4 mm pressure-molded aluminum
- ▶ Compact and maintenance-free
- ▶ Great reliability and long lifespan
- ▶ Can be used in adverse environmental conditions
- ▶ Reverse polarity protected connections

Region	Regulatory compliance/quality marks	
Germany	VdS	G 28609 DS 10
Europe	CE	DS 10
	CPD	0786-CPD-20005 DS10

Installation/configuration notes

- For surface-mounted cable feed.
- Can be connected to LSN fire panels.
- The DS 10 sounders can be directly connected to monitored control lines.

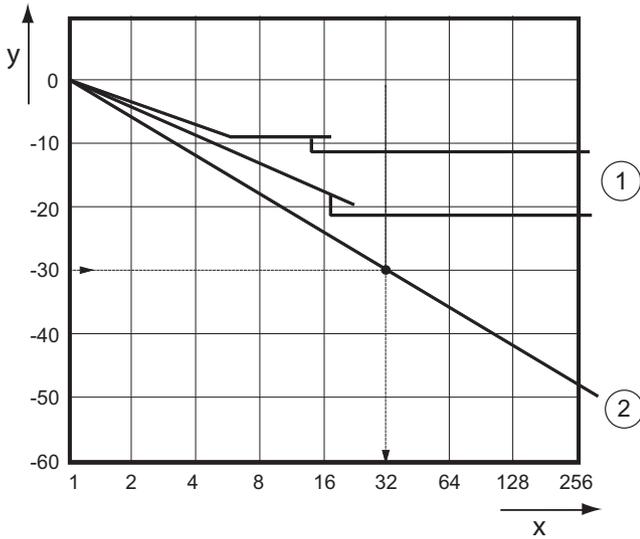
Tone type table

N	Signal shape	Frequency
0		
1	DIN tone (increasing/decreasing tone)	1200-500 Hz
2	Variable tone	825/1075 Hz
3	Pulse tone 1	825 Hz
4	Pulse tone 2	500 Hz
5	Continuous tone 1	825 Hz
6	Continuous tone 2	500 Hz

Calculation example

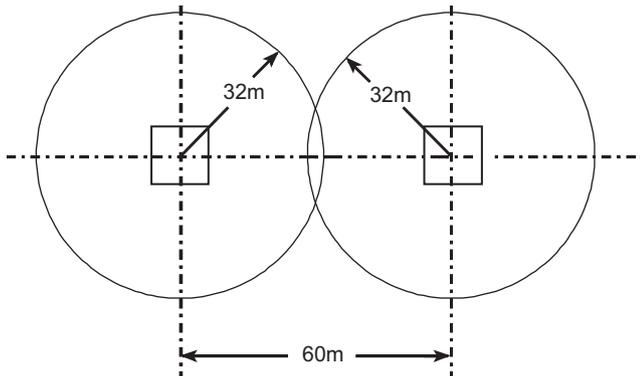
Maximum DS 10 sound pressure level	110 dB
less 10 dB for unique audibility	-10 dB
less environmental sound level	-70 dB
esulting attenuation through distance from siren	30 dB

Sound Pressure Level Drop



Pos.	Description
x	Distance from loudspeaker (m)
y	Sound pressure level decrease (dB)
1	Sound pressure decrease on reflection (depends on room volume and reverberation time)
2	Drop of sound pressure without reflection

The diagram shows a maximum distance of 32 m for this damping. It is therefore recommended that an audible notification appliance be installed approximately every 60 m.



Technical specifications

Sound pressure level at a distance of 1 m (dB (A))	≤ 110
Frequency range (Hz)	500 up to 1200
Permissible operating temperature (°C)	-25 to +55
Permissible relative humidity (%)	95
Protection class as per EN 60529	IP 66/67
Dimensions (W x H x D, mm)	133.5 x 133.5 x 143
Housing material	Cast aluminum
Housing color	Red, similar to RAL 2002

DS 10 Red, 230 V

Operating voltage (V AC)	230
Current consumption (mA)	≤ 60
Weight (g)	2150

DS 10 Red, 24 V

Operating voltage (V DC)	24 (12 to 30)
Current consumption (mA)	≤ 420
Weight (g)	1950

Ordering information

DS10-230V Sounder red, 230V

for connection to fire panels, available for operating voltage 230 V, usable in adverse environmental conditions
Order number **DS10-230V**

DS10-24V Sounder red, 24V

for connection to fire panels, available for operating voltage 24 V DC, usable in adverse environmental conditions
Order number **DS10-24V**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com

North America:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.us

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia