

FLASHING SOUNDER 101 dB(A) / 0,25 J SON 4

LED BLINKING SOUNDER 101 dB(A) SON 4L



- Automatic synchronisation in system mode.
- Volume control.
- Reverse polarity protection.
- Up to 32 different tones.
- 2 additional externally selectable tones.
- Ideal for fire alarm systems due to low power consumption.



protection
system



operating
temperature



PRODUCT		SON 4				
DATA						
Rated voltage	230 V	115 V	24 V	24 V		
	AC 50 60 Hz				DC	
Operating range	±10 %	±10 %	±10 %	±25 %		
Nominal current consumption	30 mA	50 mA	180 mA	150 mA		
PRODUCT		SON 4L				
DATA						
Rated voltage	230 V	115 V	24 V	48 V	24 V	12 V
	AC 50 60 Hz			DC		
Operating range	±10 %	±10 %	±10 %	±25 %	±25 %	±25 %
Nominal current consumption	20 mA	25 mA	60 mA	40 mA	50 mA	50 mA
PRODUCT		SON 4			SON 4L	
Sound pressure level	101 dB(A)					
Sound pressure level @DIN-tone	98 dB(A)					
Alarm tones	32 / 3-stage alarm					
Sound level reduction	by -2 / -6 dB			by -9 dB		
Flash energy	0.25 Joule					
Flashing / Blinking rate	1 Hz			2 Hz		
Light source	xenon flash tube			5x high output LED		
Operating temperature	-25 °C ... +55 °C					
Storage temperature	-40 °C ... +70 °C					
Relative humidity	90 %					
Protection system (EN 60529)	IP 56					
Material	lens	 polycarbonate (PC)			 polycarbonate (PC)	
	housing	UL 94 V0 & 5VA classified ABS RAL 3000 (flame red), optionally grey or white				
Cable entry	4 knock-outs prepared on the side and bottom					
Connecting terminals	0.5-2.5 mm²					
Weight	AC: 400 g / DC: 300 g					

TONE TABLE SON 4

NO.	DESCRIPTION		STAGE	
			2	3
1	Continuous tone	340 Hz	2	5
2	Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	1000 Hz 0,25 s 800 Hz 0,25 s	17	5
3	Slow whoop, evacuation alarm Netherlands NEN 2575	1200 Hz 3,5 s 500 Hz 0,5 s	2	5
4	Sweeping (fast)	1000 Hz 10 ms 800 Hz 10 ms	6	5
5	Continuous tone	2400 Hz	3	20
6	Sweeping	2900 Hz 70 ms 2400 Hz 70 ms	7	5
7	Sweeping (fast)	2900 Hz 10 ms 2400 Hz 10 ms	10	5
8	Sweeping	1200 Hz 3 s 500 Hz 3 s	2	5
9	Sawtooth, DIN tone 33404-3 Germany (emergency signal), PFEER PTAP	1200 Hz 1 s 500 Hz	15	2
10	Alternating tone	2900 Hz 20 ms 2400 Hz 20 ms	7	5
11	Interrupted tone	1000 Hz 10 ms 10 ms	2	5
12	Alternating tone	1000 Hz 875 ms 800 Hz 875 ms	4	5
13	Interrupted tone	2400 Hz 10 ms 10 ms	15	5
14	Interrupted tone	800 Hz 0,25 s 1 s	4	5
15	Continuous tone	800 Hz	2	5
16	Interrupted tone	660 Hz 150 ms 150 ms	18	5
17	Alternating tone, France NFS 32-001 (fire alarm)	554 Hz 100 ms 440 Hz 400 ms	2	27
18	Interrupted tone, Sweden SS031711 (air raid warning)	660 Hz 1,8 s 1,8 s	2	5
19	Sweeping, France NFC48-265	1600 Hz 1 s 1400 Hz 0,5 s	2	5
20	Continuous tone, Sweden SS031711 (all-clear signal)	660 Hz	2	5
21	Alternating tone	554 Hz 10 ms 440 Hz 10 ms	2	5
22	Interrupted tone	544 Hz 875 ms 875 ms	2	5
23	Interrupted tone	800 Hz 20 ms 20 ms	6	5
24	Sweeping (medium), UK BS5839-1	1000 Hz 0,5 s 800 Hz 0,5 s	29	5
25	Sweeping	2900 Hz 0,5 s 2400 Hz 0,5 s	29	5
26	Simulated bell	1450 Hz 0,69 ms	2	15
27	Continuous tone	800 Hz	26	5
28	Continuous tone	440 Hz	2	5
29	Sweeping (fast), UK BS5839-1	1000 Hz 70 ms 800 Hz 70 ms	7	5
30	Interrupted tone, Australien AS2220, AS1610, AS1670	420 Hz 625 ms 625 ms	32	26
31	Sweeping	1200 Hz 10 ms 660 Hz 10 ms	26	5
32	Slow whoop, Australian evacuation alarm AS2220	1200 Hz 3,75 s 500 Hz 0,25 s	30	26

TONE TABLE SON 4L

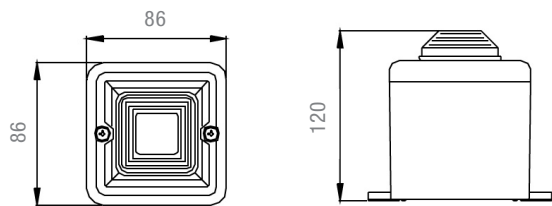
NO.	DESCRIPTION		STAGE	
			2	3
1	Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	1000 Hz 0,25 s 800 Hz 0,25 s	8	5
2	Slow whoop, evacuation alarm Netherlands NEN 2575	1200 Hz 3,5 s 500 Hz 0,5 s	1	8
3	Sawtooth, DIN tone 33404-3 Germany (emergency signal), PFEER PTAP	1200 Hz 1 s 500 Hz	8	8
4	Alternating tone, France NFS 32-001 (fire alarm)	554 Hz 100 ms 440 Hz 400 ms	9	2
5	Continuous tone	1000 Hz	1	6
7	Simulated bell	1450 Hz 0,69 ms	1	8
7	Sweeping (fast), UK BS5839-1	1000 Hz 70 ms 800 Hz 70 ms	5	1
8	Sweeping	2900 Hz 0,5 s 2400 Hz 0,5 s	5	1
9	Interrupted tone, Australia AS2220, AS1610, AS1670	420 Hz 625 ms 625 ms	10	5
10	Slow whoop, Australian evacuation alarm AS2220	1200 Hz 3,75 s 500 Hz 0,25 s	6	5

ARTICLE NO.	SON 4			SON 4L		
Lens colour	230 V AC	115 V AC	24 V DC	230 V AC	115 V AC	24 V DC
Orange	23240104010	23240154010	23240804010	23241104010	23241154010	23241804010
Red	23240105010	23240155010	23240805010	23241105010	23241155010	23241805010

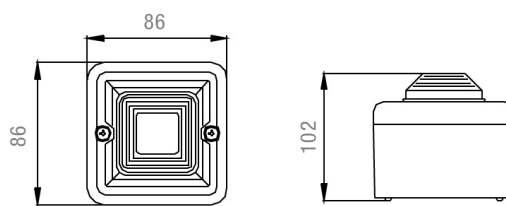
Article numbers for other voltages and versions on request.

DIMENSIONS

SON 4 / SON 4L – AC

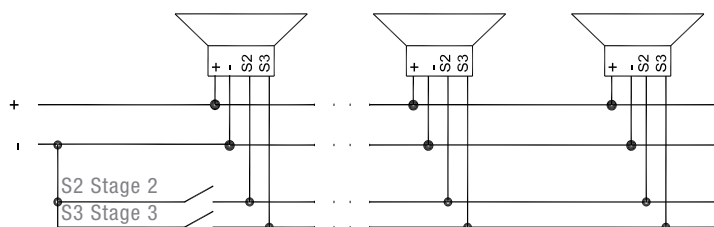
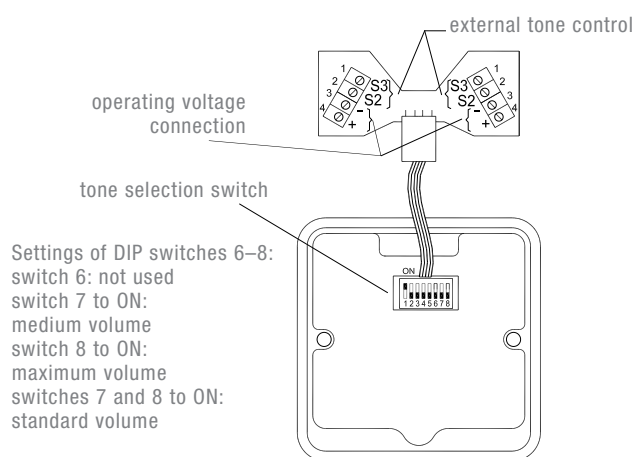


SON 4 / SON 4L – DC

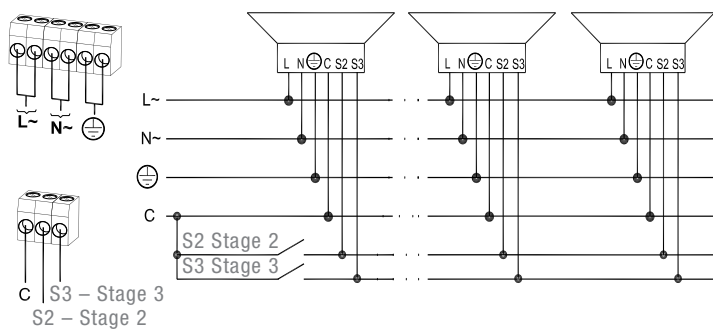


CONNECTION DIAGRAM

SON 4



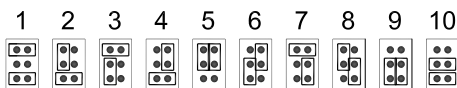
SON 4L – AC



Tone

Tone selection:

to select a tone, place the jumper in the positions shown above



SON 4L – DC

