

- 32 tones for a diverse range of applications
- Adjustable sound output to 110 dB
- High protection rating IP 54 or IP 65
- Direct external setting of two tones possible with low voltage version
- VdS approved
- (Low voltage version)



i TECHNICAL SPECIFICATIONS:

Dimensions (Diameter x Height):	93 mm x 73 mm (IP 54)
	93 mm x 103 mm (IP 65)
Housing:	ABS
Connection:	Screwable connection max. 2.5 mm ²
Cable entry:	Cable diameter max. 12 mm (IP 54)
	Cable gland M 20 x 1.5 mm (IP 65)
	Cable gland not included in assembly.

Tone types and frequencies: selectable via DIP switch, see table on opposite page

🛒 ORDER SPECIFICATIONS:

Multi-Tone Sounder IP 54

Voltage	9 - 28 V ⁼⁼	110 - 240 V [~]
Current consumption	< 30 mA	< 45 mA
red	140 110 55	140 110 68
white	140 910 55	140 910 68

Multi-Tone Sounder IP 65

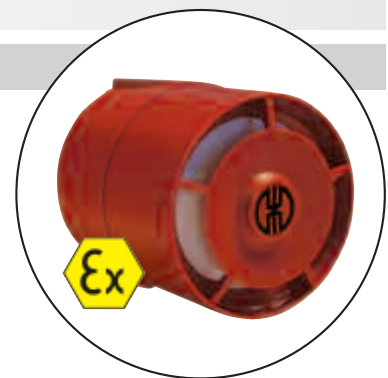
Voltage	9 - 28 V ⁼⁼	110 - 240 V [~]
Current consumption	< 30 mA	< 45 mA
red	140 120 55	140 120 68
white	140 920 55	140 920 68

🏠 ACCESSORIES:

Cable gland M 20 x 1.5 mm	975 444 01
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📏 TECHNICAL DIAGRAMS:

see page 252



The Electronic Multi-Tone Sounder 140 is also available in Ex version (see page 242)



The 140 Multi-Tone Sounder offers a large choice of international signal tones for the widest spectrum of applications.

The low voltage version allows two tones to be directly set externally.



-tone TYPES AND FREQUENCIES:



selectable via DIP switch

Tone 1 No.	Tone type	Description	Sound output (dBA)		Tone 2 Low voltage version
			(12 V)	(24 V)	
1	alternating 800/970 Hz in 2 Hz stroke	BS 5839-1: 2002	96	103	14
2	rising 800/970 Hz in 7 Hz stroke		93	100	14
3	rising 800/970 Hz in 1 Hz stroke	BS 5839-1: 2002, VDS tested	93	98	14
4	continuous 2,850 Hz		104	111	14
5	rising 2,400-2,850 Hz in 7 Hz stroke	VDS tested	99	105	4
6	rising 2,400-2,850 Hz in 1 Hz stroke		99	106	4
7	500-1,200 Hz rising in 3 sec., 0.5 sec OFF		93	100	14
8	falling 1,200-500 Hz in 1 Hz stroke	VDS tested; DIN 33404	90	95	14
9	alternating 2,400/2,850 Hz in 2 Hz stroke		102	109	4
10	pulse 970 Hz in 0.5 Hz stroke	Back-up-alarm BS 5839 Part 1 1988	92	100	14
11	alternating 800/970 Hz in 1 Hz stroke	BS5839 Part 1 1988	97	103	14
12	pulse 2,850 Hz in 0.5 Hz stroke		103	110	4
13	970 Hz pulse: 0.25 sec. ON / 1 sec. OFF		93	100	14
14	continuous 970 Hz	BS 5839-1: 2002	99	105	14
15	554 Hz/100 ms alternating 440 Hz/400 ms	French alarm signal AFNOR NFS 32 S 32-001	88	94	14
16	660 Hz pulse: 150 ms ON, 150 ms OFF	Swedish alarm signal	87	92	16
17	660 Hz pulse: 1.8 sec. ON, 1.8 sec. OFF	Swedish alarm signal	89	95	17
18	660 Hz pulse: 6.5 sec. ON, 13 sec. OFF	Swedish alarm signal	89	95	18
19	continuous 660 Hz	Swedish alarm signal	89	95	19
20	alternating 554/440 Hz in 0.5 Hz stroke		89	95	20
21	pulse 660 Hz in 1 Hz stroke	Swedish alarm signal	87	93	21
22	2,850 Hz pulse: 150 ms ON, 100 ms OFF	Pedestrian crossing GB	102	109	14
23	rising 800/970 Hz in 50 Hz stroke	Low frequency BS 5839 Part 1 1988	92	98	14
24	rising 2,400-2,850 Hz in 50 Hz stroke	High frequency	99	107	4
25	970 Hz pulse: 3 x 500 ms ON, 500 ms OFF, Pause 1.5 sec.	ISO 8201 Low frequency: Evacuation	97	103	26
26	2,850 Hz pulse: 3 x 500 ms ON, 500 ms OFF, Pause 1.5 sec.	ISO 8201 High frequency	102	109	25
27	continuous 4 kHz		90	98	27
28	alternating 800/970 Hz in 2 Hz stroke	FP 1063.1 - Telecoms/BS 5839-1: 2002	96	103	10
29	alternating 988/645 Hz in 2 Hz stroke		93	100	988 Hz cont. tone
30	alternating 510/610 Hz in 2 Hz stroke		92	97	510 Hz cont. tone
31	falling 1,200-300 Hz in 1 Hz stroke		91	97	31
32	alternating 510/610 Hz in 1 Hz stroke		90	98	510 Hz cont. tone

