AUER - ELECTRONIC MULTI-SIREN ES1-ES2

ES1/ES2 series

C110620005
Beacon Siren Multitone 24v DC ES1

- 32 selectable tones
- IP65
- 86–106 dB

PRODUCT DESCRIPTION

ES1/ES2 is a cost effective siren with 32 selectable tones. The volume and tone selection are set by dip-switches. IP 65 makes it suitable for mounting both indoors and outdoors.

SPECIFICATIONS

Color House	Red RAL 3000
Diameter	93
IP Class	IP65
Nominal current max	0.035
Nominal current min	0.006
Number of tones	32
Sound control	Yes
Sound level max	106
Sound level min	86
Supply Voltage DC Max	24
Supply Voltage DC Min	24
Temperature range from	-20
Temperature range to	70
Terminal connection	2.5
Tone frequency max	2900
Tone frequency min	440
Weight	250

The sound pressure decreases by 6 dB when doubling the distance; the following distance table is to be seen as indication, as also factors like tone type, wind speed, wind direction, humidity, weather conditions etc. do influence the sound pressure level.

Distance (m)	Sound pressure dB (A)																				
1	65	70	75	80	85	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
2	59	64	69	74	79	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114
3	55	60	65	70	75	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
5	51	56	61	66	71	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106
10	45	50	55	60	65	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
20	39	44	49	54	59	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94
30	35	40	45	50	55	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
50		36	41	46	51	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
100				40	45	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
200					39	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74
500							38	40	42	44	46	48	50	52	54	56	58	60	62	64	66

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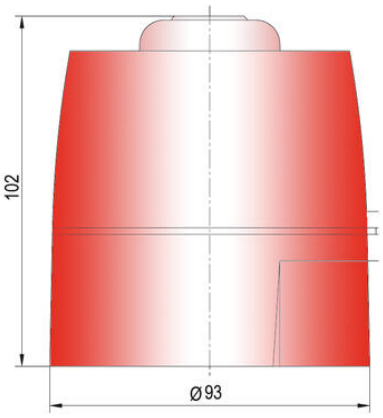

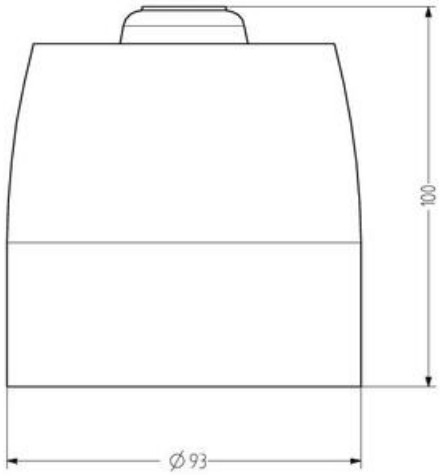

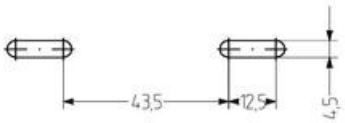

Tone table

ES1

No.	Sound	Denomination	DIP	2nd stage alarm Hz
1	LF sweep	800-1.000 Hz @ 0.5 s	1111	800 cont
2	alternative warble	800/960 Hz @ 2 Hz	1110	800 cont
3	warble tone	800/1.000 Hz @ 0.5 s	1101	800 cont
4	alternative warble	505/600 Hz @ 2 Hz	1100	500 cont
5	HF back up interrupted tone	2.800 Hz @ 1.0 s on/off	1011	2.800 cont
6	LF back up alarm	800 Hz @ 150 ms on/off	1010	800 cont
7	HF back up interrupted tone, fast	2.800 Hz @ 150 ms on/off	1001	800 cont
8	LF continous tone BS5839	800 Hz cont	1000	some tone
9	sweep tone	800/900 Hz @ 1 Hz	1011	800 cont
10	Australian slow whoop	interrupted tone 970 Hz @ 0.625 ms on/off	1010	500-1.200 3.75 s on 0.25 s off
11	Dutch sweep tone	970 Hz cont	1001	500-1.200 3.0 s on 0.5 s off
12	ornithigue sweep tone	500/600 Hz @ 2 Hz	1000	500 cont
13	sweep tone	800/970 Hz @ 2 Hz	0111	800 cont
14	alternate HF slow sweep	2.350/2.900 Hz @ 3 Hz	0110	2.400 cont
15	fast HF sweep	2.400-2.800 Hz @ 7Hz	0101	2.400 cont
16	US temporal pattern LF	950 Hz 0.5 s on/0.5 s off x 3; off for 1.5 s, repeat	0100	800 cont
17	interrupted tone BS Standard	800 Hz @ 0.5 s on/off	0111	800 cont
18	ISO8201 LF BS5839 Pt.1 1988	intermittent 970 Hz @ 0.5 s on/off	0110	some tone
19	interrupted tone, medium	1.000 Hz @ 0.25 s on/off	0101	800 cont
20	ISO8201 HF	970 Hz @ 0.5 s on/off	0100	some tone
21	continuous tone	1000 Hz	0101	some tone
22	LF buzz	800-950 Hz swept @ 150 Hz	0010	800 cont
23	HF continuous	2.800 Hz	0001	2.800 cont
24	sweep tone	800-970 Hz @ 9 Hz	0000	800 cont
25	German DIN tone	sweep 1.200-500 Hz @ 1 Hz	0011	800 cont
26	Swedish fire signal	intermittent 660 Hz @ 150 ms on/off	0010	some tone
27	French tone AFNOR	554 Hz @ 100 ms and 1443 Hz @ 400 ms	0001	800 cont
28	Swedish all clear signal	continuous 660 Hz	0000	some tone
29	US temporal pattern HF	2.900 Hz @ 0.5 s on/off x 3; then off for 1.5 s; repeat	0001	2.900 cont
30	Siren 2-way ramp, short	500/1.200 Hz rising then falling 0.25 s	0010	800 cont
31	FF1063.1 Telecom	alternating tone 800/970 Hz @ 2 Hz	0000	800 cont
32	Siren 2-way ramp, long	500/1.200 Hz @ 3 s rising/3 s falling	0000	800 cont

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