



AUER - ELECTRONIC MULTI-SIREN ES1-ES2

ES1/ES2 series

C110620005

Beacon Siren Multitone 24v DC ES1

- 32 selectable tones
- IP65
- 86–106 dB

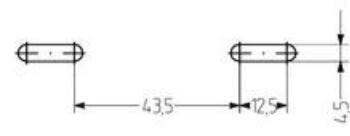
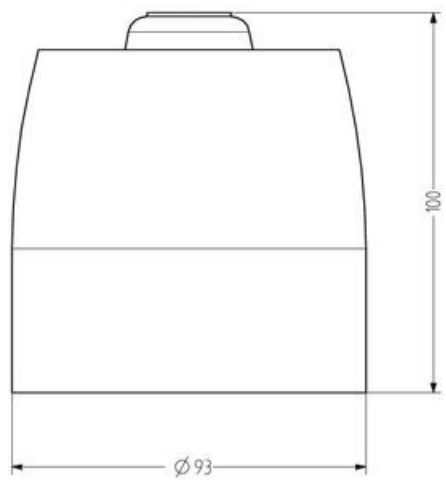
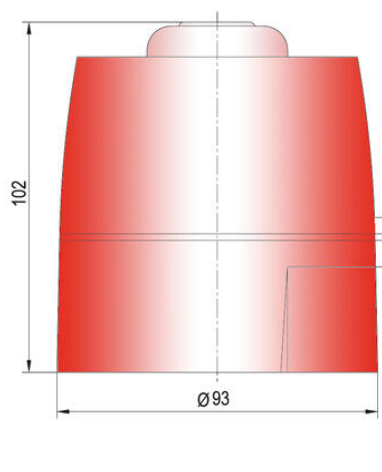


Product description

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

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



Tone table

No.	Sound	Description	SRP	End stage alarm Hz
1	LF sweep	800-1000 Hz @ 0.5 s	001	800 count
2	alternative awake	800/700 Hz @ 2 Hz	002	800 count
3	awake tone	800/1000 Hz @ 0.5 s	003	800 count
4	alternative awake	900/200 Hz @ 2 Hz	004	800 count
5	MF back up interrupted tone	2.800 Hz @ 1.2 s on/off	005	2.800 count
6	LF back up alarm	800 Hz @ 100 ms on/off	006	800 count
7	LF back up interrupted tone, fast	2.800 Hz @ 100 ms on/off	007	800 count
8	LF continuous tone 855245	800 Hz on/off	008	800 count
9	sweep tone	800/900 Hz @ 1 Hz	009	800 count
10	acceleration alarm	interrupted tone 970 Hz @ 0.625 ms on/off	010	970 count
11	alarm tone	1.25 s on/off	011	1.25 s on/off
12	alarm tone	1.00 s on/off	012	1.00 s on/off
13	alarm tone	0.75 s on/off	013	0.75 s on/off
14	alarm tone	0.50 s on/off	014	0.50 s on/off
15	alarm tone	0.25 s on/off	015	0.25 s on/off
16	alarm tone	0.125 s on/off	016	0.125 s on/off
17	alarm tone	0.0625 s on/off	017	0.0625 s on/off
18	alarm tone	0.03125 s on/off	018	0.03125 s on/off
19	alarm tone	0.015625 s on/off	019	0.015625 s on/off
20	alarm tone	0.0078125 s on/off	020	0.0078125 s on/off
21	alarm tone	0.00390625 s on/off	021	0.00390625 s on/off
22	alarm tone	0.001953125 s on/off	022	0.001953125 s on/off
23	alarm tone	0.0009765625 s on/off	023	0.0009765625 s on/off
24	alarm tone	0.00048828125 s on/off	024	0.00048828125 s on/off
25	alarm tone	0.000244140625 s on/off	025	0.000244140625 s on/off
26	alarm tone	0.0001220703125 s on/off	026	0.0001220703125 s on/off
27	alarm tone	0.00006103515625 s on/off	027	0.00006103515625 s on/off
28	alarm tone	0.000030517578125 s on/off	028	0.000030517578125 s on/off
29	alarm tone	0.0000152587890625 s on/off	029	0.0000152587890625 s on/off
30	alarm tone	0.00000762939453125 s on/off	030	0.00000762939453125 s on/off
31	alarm tone	0.000003814697265625 s on/off	031	0.000003814697265625 s on/off
32	alarm tone	0.0000019073486328125 s on/off	032	0.0000019073486328125 s on/off

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)	65	70	75	80	85	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	
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	108
10	45	50	55	60	65	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102
20	39	44	49	54	59	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96
30	35	40	45	50	55	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92
50	30	35	40	45	50	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87
100	25	30	35	40	45	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82
200	20	25	30	35	40	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77
500	15	20	25	30	35	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72

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