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# SpectrAlarm AB112RTH

Sounder unit A112N

Maximum output: 119 dB(A) @ 1 m

Nominal output: 112 dB(A) @ 1 m - tone 2

45 Alarm tones (UKO OA/PREER Compliant)

Rotating Beacon

G6,35/GY6,35 Halogen Bulb

IP Rating: IP65

Temp: -25°C to +50°C

Unit weight: 2.2kg DC 2.5kg AC  
CE

Dimensions : 168mm(w) x 318mm(h)  
1.5mm<sup>2</sup> terminals

For Lens colour options

x = in order code to be replaced with required lens colour

R = Red                      A = Amber

B = Blue                     C = Clear

G = Green                  Y = Yellow

y = in order code to be replaced with required housing colour

G = Grey                    R = Red

Order code

Nominal voltage & range

AB112RTHDC12y/x      12VDC (10-15VDC)

Beacon 1720mA    Sounder 400mA @12VDC

AB112RTHDC24y/x      24VDC (18-30VDC)

Beacon 910mA    Sounder 200mA @24VDC

AB112RTHAC115y/x    115VAC (103-127VAC)

Beacon 216mA    Sounder 100mA @ 115VAC

AB112RTHAC230y/x    230VAC (207-253VAC)

Beacon 117mA    Sounder 60mA @ 230VAC

Example:- AB112RTHDC24G/R

This example is for a

A112N sounder with rotating beacon

running on 24VDC

the housing is grey with a red lens.

Bulb replacement

E2S Part No.

Version

BJC20W12VCL            12V 20W

BJC20W24VCL            24V 20W

BJCD25W120VCL        115V 25W

BJCD25W230VCL        230V 25W



**ATTENTION:** Installation must be carried out by an electrician in compliance with the latest codes and regulations.



**ATTENTION:** Disconnect from power source before installation or service to prevent electric shock.



**ATTENTION:** On strobe beacons allow a minimum of 2 minutes for hazardous high voltage to discharge from unit.



**ATTENTION:** Lens on unit will be hot allow to cool prior to removal.

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## AB112RTH Sounder Tone Settings Table

For switch settings please note:-

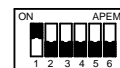
Where 1 is indicated the switch position is on.

Where 0 is indicated the switch position is off.

Example:-

Table shows 1 0 0 0 0 0

Switch setting On Off Off Off Off Off



Stage 1	Frequency Description	Switch						Stage 2	Stage 3
		1	2	3	4	5	6		
1	340Hz Continuous	0	0	0	0	0	Tone 2	Tone 5	
2	800/1000Hz @ 0.25 sec Alternating	1	0	0	0	0	Tone 17	Tone 5	
3	500/1200Hz @ 0.3Hz sec Slow Whoop	0	1	0	0	0	Tone 2	Tone 5	
4	800/1000Hz @ 1Hz Sweeping	1	1	0	0	0	Tone 6	Tone 5	
5	2400Hz Continuous	0	0	1	0	0	Tone 3	Tone 20	
6	2400/2900Hz @ 7Hz Sweeping	1	0	1	0	0	Tone 7	Tone 5	
7	2400/2900Hz @ 1Hz Sweeping	0	1	1	0	0	Tone 10	Tone 5	
8	500/1200/500Hz @ 0.3Hz Sweeping	1	1	1	0	0	Tone 2	Tone 5	
9	1200/500Hz @ 1Hz - DIN PFEER P.T.A.P.	0	0	0	1	0	Tone 15	Tone 2	
10	2400/2900Hz @ 2Hz Alternating	1	0	0	1	0	Tone 7	Tone 5	
11	1000Hz @ 1Hz Intermittent	0	1	0	1	0	Tone 2	Tone 5	
12	800/1000Hz @ 0.875Hz Alternating	1	1	0	1	0	Tone 4	Tone 5	
13	2400Hz @ 1Hz Intermittent	0	0	1	1	0	Tone 15	Tone 5	
14	800Hz 0.25 sec on, 1 sec off Intermittent	1	0	1	1	0	Tone 4	Tone 5	
15	800Hz Continuous	0	1	1	1	0	Tone 2	Tone 5	
16	660Hz 150mS on, 150mS off Intermittent	1	1	1	1	0	Tone 18	Tone 5	
17	544Hz (100mS)/440 Hz (400mS) - NF S 32-001	0	0	0	0	1	Tone 2	Tone 27	
18	660Hz 1.8 sec on, 1.8 sec off Intermittent	1	0	0	0	1	Tone 2	Tone 5	
19	1.4KHz - 1.6KHz 1s, 1.6KHz - 1.4 KHz 0.5s - NFC48-265	0	1	0	0	1	Tone 2	Tone 5	
20	660Hz Continuous	1	1	0	0	1	Tone 2	Tone 5	
21	554Hz/440Hz @ 1Hz Alternating	0	0	1	0	1	Tone 2	Tone 5	
22	544Hz @ 0.875 sec Intermittent	1	0	1	0	1	Tone 2	Tone 5	
23	800Hz @ 2Hz Intermittent	0	1	1	0	1	Tone 6	Tone 5	
24	800/1000Hz @ 50Hz Sweeping	1	1	1	0	1	Tone 29	Tone 5	
25	2400/2900Hz @ 50Hz Sweeping	0	0	0	1	1	Tone 29	Tone 5	
26	Bell	1	0	0	1	1	Tone 2	Tone 15	
27	554Hz Continuous	0	1	0	1	1	Tone 26	Tone 5	
28	440Hz Continuous	1	1	0	1	1	Tone 2	Tone 5	
29	800/1000Hz @ 7Hz Sweeping	0	0	1	1	1	Tone 7	Tone 5	
30	300Hz Continuous	1	0	1	1	1	Tone 2	Tone 5	
31	660/1200Hz @ 1Hz Sweeping	0	1	1	1	1	Tone 26	Tone 5	
32	Two tone chime	1	1	1	1	1	Tone 26	Tone 15	
33	745Hz @ 1Hz Intermittent	0	0	0	0	1	Tone 2	Tone 5	
34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	1	0	0	0	1	Tone 38	Tone 45	
35	420Hz @ 0.625 Sec Australian Alert	0	1	0	0	1	Tone 36	Tone 5	
36	500-1200Hz 3.75 sec /0.25 sec Australian Evac.	1	1	0	0	1	Tone 35	Tone 5	
37	1000Hz Continuous - PFEER Toxic Gas	0	0	1	0	1	Tone 9	Tone 45	
38	2000Hz Continuous	1	0	1	0	1	Tone 34	Tone 45	
39	800Hz 0.25 sec on, 1 sec off Intermittent	0	1	1	0	1	Tone 23	Tone 17	
40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	1	1	1	0	1	Tone 31	Tone 27	
41	Motor Siren - slow rise to 1200Hz	0	0	0	1	1	Tone 2	Tone 5	
42	Motor Siren - slow rise to 800Hz	1	0	0	1	1	Tone 2	Tone 5	
43	1200Hz Continuous	0	1	0	1	1	Tone 2	Tone 5	
44	Motor Siren - slow rise to 2400Hz	1	1	0	1	1	Tone 2	Tone 5	
45	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm	0	0	1	1	1	Tone 38	Tone 34	

# A SpectrAI arm AB112RTH

