

AB121RTH Alarm Sounder & Rotating Beacon

The AB121RTH combines a heavy duty 126dB(A) alarm sounder with a powerful 40W halogen rotating beacon.

The beacon and sounder can be operated from the same power source or controlled individually.

Features

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.
- 'Programmable' version available:
 - 45 alarm tones
 - 4 remotely selectable stages
 - Any tone can be assigned to any stage
 - User configurable continuous frequency tone

Approvals

- Alarm sounder (A121) VdS approved: EN54-3 (CPD 89/106/EEC).



Specification

Sounder:

Maximum output:	126dB(A) @ 1 metre [117dB(A) @ 10ft/3m]
Nominal output:	121dB(A) @ 1m +/- 3dB - Tone 2 [112dB(A) @ 10ft/3m]
No. of tones:	45 (UKOOA / PFEER compliant)
No. of stages:	3
Volume control:	Max. 121dB(A); Min.112dB(A) - Tone 2
Effective range:	300m/984ft @ 1KHz

Beacon:

Light source:	Halogen Bulb G6,35 / GY6,35.
Light output:	max 40W
Rotation:	180 RPM (+/-30RPM).
Peak Candela:	1,204 cd
Candela:	325 cd* (effective intensity)
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow
Drive life:	> 5,000 hrs

General:

Voltages DC:	12V dc; 24V dc
Voltages AC:	115V ac; 230V ac
Ingress protection:	IP65
Housing material:	High impact UL94 V0 & 5VA FR ABS
Lens material:	UV stable PC UL94 V0 FR Bayonet lens fixing, Anti-tamper locking screw.
Colour:	Red (RAL3000) & Grey (RAL7038)
Cable entries:	2 x M20 clearance gland entries in side & back
Terminals:	0.5 to 4.0mm ² cables.
Operating temp:	-25 to +55°C [-13° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	DC: 2.10kg/4.62lbs AC:2.70kg/5.94lbs

*Candela measurements representative of performance with clear lens at optimum voltage.

*SPL data +/-3dB(A). Measured at optimum voltage.

Part Codes

Version:	Part code:	Wattage
12V dc	AB121RTHDC12 [x]/[y]	35W
24V dc	AB121RTHDC24[x]/[y]	35W
115V ac	AB121RTHAC115[x]/[y]	40W
230V ac	AB121RTHAC230[x]/[y]	40W

[x] = Housing colour:
G: Grey R: Red

[y] = Lens colour: A: Amber B: Blue C: Clear
G: Green R: Red Y: Yellow

Suffix part number with '-P' for programmable, 4 stage, 45 tone version.

Alarm Sounder

Version:	Voltage:	Current:
12/24V dc	10-30V dc	950mA*
115V ac	50/60Hz +/-10%	240mA
230V ac	50/60Hz +/-10%	120mA

* current at nominal voltage on Tone 2

Rotating Beacon

Version:	Wattage:	Current:
12V dc	35W	3.0A
24V dc	35W	1.54A
115V ac	50/60Hz 40W	338mA
230V ac	50/60Hz 40W	186mA

Tone table

S 1	Description	S 2	S 3	S 1	Description	S 2	S 3
T 1	340 Hz Continuous	T 2	T 5	T 33	745Hz @ 1Hz Intermittent	T 2	T 5
T 2	800/1000Hz @ 0.25 sec Alternating	T 17	T 5	T 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	T 38	T 45
T 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	T 2	T 5	T 35	420Hz @ 0.625 sec Australian Alert	T 36	T 5
T 4	800/1000Hz @ 1Hz Sweeping	T 6	T 5	T 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	T 35	T 5
T 5	2400Hz Continuous	T 3	T 20	T 37	1000Hz Continuous - PFEER Toxic Gas	T 9	T 45
T 6	2400/2900Hz @ 7Hz Sweeping	T 7	T 5	T 38	2000Hz Continuous	T 34	T 45
T 7	2400/2900Hz @ 1Hz Sweeping	T 10	T 5	T 39	800Hz 0.25sec on, 1 sec off Intermittent	T 23	T 17
T 8	500/1200/500Hz @ 0.3Hz Sweeping	T 2	T 5	T 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 31	T 27
T 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	T 15	T 2	T 41	Motor Siren - slow rise to 1200 Hz	T 2	T 5
T 10	2400/2900Hz @ 2Hz Alternating	T 7	T 5	T 42	Motor Siren - slow rise to 800 Hz	T 2	T 5
T 11	1000Hz @ 1Hz Intermittent	T 2	T 5	T 43	1200 Hz Continuous	T 2	T 5
T 12	800/1000Hz @ 0.875Hz Alternating	T 4	T 5	T 44	Motor Siren - slow rise to 2400 Hz	T 2	T 5
T 13	2400Hz @ 1Hz Intermittent	T 15	T 5	T 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. ...	T 38	T 34
T 14	800Hz 0.25sec on, 1 sec off Intermittent	T 4	T 5				
T 15	800Hz Continuous	T 2	T 5				
T 16	660Hz 150mS on, 150mS off Intermittent	T 18	T 5				
T 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 2	T 27				
T 18	660Hz 1.8sec on, 1.8sec off Intermittent	T 2	T 5				
T 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48265	T 2	T 5				
T 20	660Hz Continuous	T 2	T 5				
T 21	554Hz/440Hz @ 1Hz Alternating	T 2	T 5				
T 22	544Hz @ 0.875 sec. Intermittent	T 2	T 5				
T 23	800Hz @ 2 Hz Intermittent	T 6	T 5				
T 24	800/1000Hz @ 50Hz Sweeping	T 29	T 5				
T 25	2400/2900Hz @ 50Hz Sweeping	T 29	T 5				
T 26	Bell	T 2	T 15				
T 27	554Hz Continuous	T 26	T 5				
T 28	440Hz Continuous	T 2	T 5				
T 29	800/1000Hz @ 7Hz Sweeping	T 7	T 5				
T 30	300Hz Continuous	T 2	T 5				
T 31	660/1200Hz @ 1Hz Sweeping	T 26	T 5				
T 32	Two T chime.	T 26	T 15				