

AB121LDA Alarm Sounder & LED Beacon

The AB121LDA combines a heavy duty 126dB(A) alarm sounder with a powerful multi-function L.E.D beacon.

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

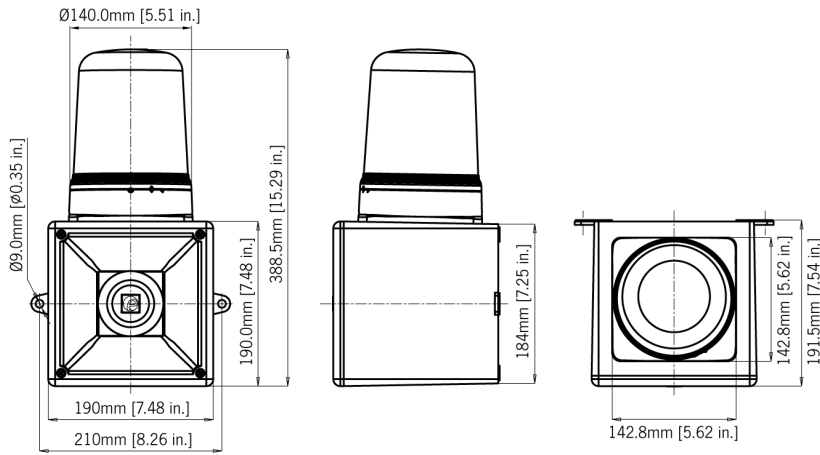
Features

- 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 to 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:	Array of 32 multi-function high power L.E.D's
Operating modes:	4 rotating configurations 4 flashing configurations Steady mode for indicator / status applications
Peak/Effective Intensity cd:	30 cd* - measured ref. to I.E.S.
No. of stages:	DC unit also features a remotely selectable 2nd and 3rd stage flash pattern.
L.E.D /lens colours:	Amber, Blue, Clear (white L.E.D.s), Green, Red & Yellow

General:

Voltages DC:	24V dc (10-30V dc); 48V dc (35-60V 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 lensfixing, 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 amber lens at optimum voltage.

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

Part Codes

Version:	Part code:
24V dc	AB121LDADC24[x]/[y]
48V dc	AB121LDADC48[x]/[y]
115V ac	AB121LDAAC115[x]/[y]
230V ac	AB121LDAAC230[x]/[y]

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

[y] = Lens: 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:
24V dc	10-30V dc	950mA*
48V dc	35-60V dc	600mA*
115V ac	50/60Hz +/-10%	240mA
230V ac	50/60Hz +/-10%	120mA

* current at nominal voltage on Tone 2

L.E.D. Beacon

Version:	Voltage:	Current:
24V dc	10-50V dc	400mA*
48V dc	10-50V dc	400mA*
115V ac	50/60Hz +/-10%	140mA
230V ac	50/60Hz +/-10%	70mA

* current at 24V dc

Beacon modes

Mode:	Stage 1	Stage2 [DC only]	Stage3 [DC only]
1	All L.E.D's on	Alternate Side Flash 2Hz	Double Strike Flash 2Hz
2	Rotating: Slow1	Alternate Side Flash 2Hz	All L.E.D's on
3	Single Strike Flash 2Hz	Rotating: Fast 2	All L.E.D's on
4	Rotating: Fast 1	Single Strike Flash 2Hz	All L.E.D's on
5	Rotating: Slow 2	Double Strike Flash 1Hz	All L.E.D's on
6	Double Strike Flash	Rotating: Fast 2	All L.E.D's on

Tone table

S 1	Description	S 2	S 1	Description	S 2
Tone 1	Tone 2	Tone 5	Tone 33	Tone 2	Tone 5
Tone 2	Tone 17	Tone 5	Tone 34	Tone 38	Tone 45
Tone 3	Tone 2	Tone 5	Tone 35	Tone 36	Tone 5
Tone 4	Tone 6	Tone 5	Tone 36	Tone 35	Tone 5
Tone 5	Tone 3	Tone 20	Tone 37	Tone 9	Tone 45
Tone 6	Tone 7	Tone 5	Tone 38	Tone 34	Tone 45
Tone 7	Tone 10	Tone 5	Tone 39	Tone 23	Tone 17
Tone 8	Tone 2	Tone 5	Tone 40	Tone 31	Tone 27
Tone 9	Tone 15	Tone 2	Tone 41	Tone 2	Tone 5
Tone 10	Tone 7	Tone 5	Tone 42	Tone 2	Tone 5
Tone 11	Tone 2	Tone 5	Tone 43	Tone 2	Tone 5
Tone 12	Tone 4	Tone 5	Tone 44	Tone 2	Tone 5
Tone 13	Tone 15	Tone 5	Tone 45	Tone 38	Tone 34
Tone 14	Tone 4	Tone 5			
Tone 15	Tone 2	Tone 5			
Tone 16	Tone 18	Tone 5			
Tone 17	Tone 2	Tone 27			
Tone 18	Tone 2	Tone 5			
Tone 19	Tone 2	Tone 5			
Tone 20	Tone 2	Tone 5			
Tone 21	Tone 2	Tone 5			
Tone 22	Tone 2	Tone 5			
Tone 23	Tone 6	Tone 5			

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E2S Warning Signals

None of the above. In any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.