



A121 & AL121 'AlertAlarm' Sounder / Combination unit

SPECIFICATION

- Maximum output : 126dB(A) @ 1metre
Nominal output : 121dB(A) @ 1 metre +/-3dB(A). Tone2
- 45 tones (UKOOA / PFEER compliant)
- 3 stage alarm option
- Volume control
- Automatic synchronisation on multi-sounder systems
- 300m effective range @ 1kHz
- Voltages : 24vdc(10-30vdc); 48vdc(35-60vdc); 24vac;
115vac;230vac
- Other voltages available upon request
- DC versions have reverse polarity diode protection
- Positive stage switching DC version available.
- Fully programmable version with 4 stages available.
(See Programmable Unit Technical Spec. sheet)
- IP55 - can be increased to IP66with WR kit
- Enclosure material : UL94V0 & 5VA rated FR ABS
- Colour available : Red (RAL3000) or White
- Operating temperature : -25 to +55°C
- Storage temperature : -40 to +70°C
- Relative humidity : 90% at 20°C
- Weight A121 : DC: 2.10kg AC: 2.70kg
AL121: DC: 2.30kg AC: 2.90kg
- UL approved version available.



PHOTO

A very high output sounder, ideal for industrial environments with high ambient noise levels.



Installation Features.

- Cable gland knockout in the rear of the unit.
- Side M20 cable gland entry and IP55 stopping plug.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- All units offer IN & OUT terminals
- Terminals accept 0.5 to 4.0mm² cables.

VERSIONS

Can be ordered with the **L101** 'AlertAlight' Beacon to create the **AL121** combination unit.

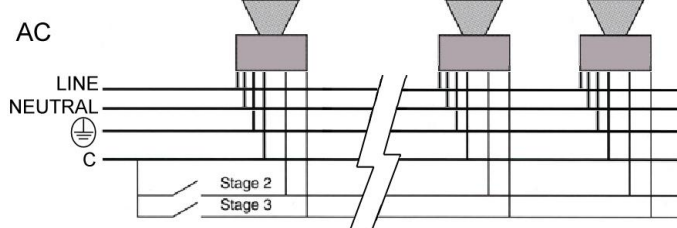
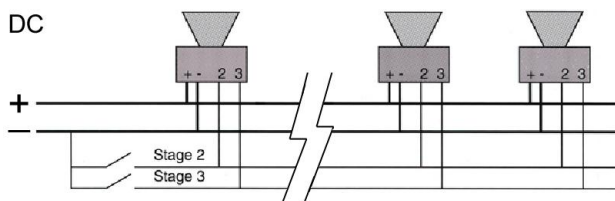
Units can be operated individually or linked for complete audio visual signalling.

See the **L101** Technical specification sheet for details on the beacon.

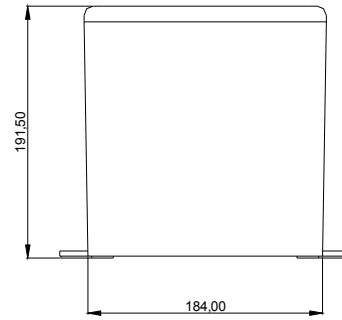
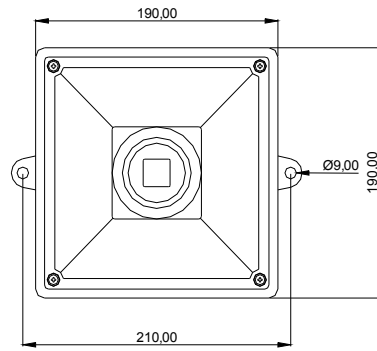


Stage 1	Frequency Description.	dB@ 1m		Stage 2	Stage 3
Tone 1	340 Hz	113dB(A) @ 1m		Tone 2	Tone 5
Tone 2	800/1000Hz @ 0.25 sec	121dB(A) @ 1m		Tone 17	Tone 5
Tone 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	121dB(A) @ 1m		Tone 2	Tone 5
Tone 4	800/1000Hz @ 1Hz	121dB(A) @ 1m		Tone 6	Tone 5
Tone 5	2400Hz	125dB(A) @ 1m		Tone 3	Tone 20
Tone 6	2400/2900Hz @ 7Hz	123dB(A) @ 1m		Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz	125dB(A) @ 1m		Tone 10	Tone 5
Tone 8	500/1200/500Hz @ 0.3Hz	121dB(A) @ 1m		Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz DIN / PFEER P.T.A.P.	121dB(A) @ 1m		Tone 15	Tone 2
Tone 10	2400/2900Hz @ 2Hz	126dB(A) @ 1m		Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz	121dB(A) @ 1m		Tone 2	Tone 5
Tone 12	800/1000Hz @ 0.875Hz	121dB(A) @ 1m		Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz	125dB(A) @ 1m		Tone 15	Tone 5
Tone 14	800Hz 0.25sec on, 1 sec off	120dB(A) @ 1m		Tone 4	Tone 5
Tone 15	800Hz	120dB(A) @ 1m		Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off	118dB(A) @ 1m		Tone 18	Tone 5
Tone 17	544Hz (100mS)/440Hz (400mS) NF S 32-001	117dB(A) @ 1m		Tone 2	Tone 27
Tone 18	660Hz 1.8sec on, 1.8sec off	118dB(A) @ 1m		Tone 2	Tone 5
Tone 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265	126dB(A) @ 1m		Tone 2	Tone 5
Tone 20	660Hz	118dB(A) @ 1m		Tone 2	Tone 5
Tone 21	554Hz/440Hz @ 1Hz	118dB(A) @ 1m		Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec.	118dB(A) @ 1m		Tone 2	Tone 5
Tone 23	800Hz @ 2Hz	120dB(A) @ 1m		Tone 6	Tone 5
Tone 24	800/1000Hz @ 50Hz	120dB(A) @ 1m		Tone 29	Tone 5
Tone 25	2400/2900Hz @ 50Hz	124dB(A) @ 1m		Tone 29	Tone 5
Tone 26	Bell	118dB(A) @ 1m		Tone 2	Tone 15
Tone 27	554Hz	117dB(A) @ 1m		Tone 26	Tone 5
Tone 28	440Hz	117dB(A) @ 1m		Tone 2	Tone 5
Tone 29	800/1000Hz @ 7Hz	121dB(A) @ 1m		Tone 7	Tone 5
Tone 30	300Hz	114dB(A) @ 1m		Tone 2	Tone 5
Tone 31	660/1200Hz @ 1Hz	121dB(A) @ 1m		Tone 26	Tone 5
Tone 32	Two tone chime.	118dB(A) @ 1m		Tone 26	Tone 15
Tone 33	745Hz @ 1Hz	116dB(A) @ 1m		Tone 2	Tone 5
Tone 34	1000 & 2000Hz @ 0.5 sec Singapore	121dB(A) @ 1m		Tone 38	Tone 45
Tone 35	420Hz @ 0.625 sec Australian Alert	118dB(A) @ 1m		Tone 36	Tone 5
Tone 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	121dB(A) @ 1m		Tone 35	Tone 5
Tone 37	1000Hz PFEER Toxic Gas	121dB(A) @ 1m		Tone 9	Tone 45
Tone 38	2000Hz	122dB(A) @ 1m		Tone 34	Tone 45
Tone 39	800Hz 0.25sec on, 1 sec off	120dB(A) @ 1m		Tone 23	Tone 17
Tone 40	544Hz (100mS)/440Hz (400mS) NF S 32-001	121dB(A) @ 1m		Tone 31	Tone 27
Tone 41	1200 Hz	122dB(A) @ 1m		Tone 2	Tone 5
Tone 42	800 Hz	121dB(A) @ 1m		Tone 2	Tone 5
Tone 43	1200 Hz	122dB(A) @ 1m		Tone 2	Tone 5
Tone 44	2400 Hz	124dB(A) @ 1m		Tone 2	Tone 5
Tone 45	1KHz 1s on, 1s off PFEER Gen. Alarm	121dB(A) @ 1m		Tone 38	Tone 34

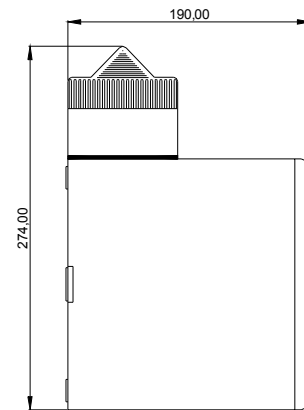
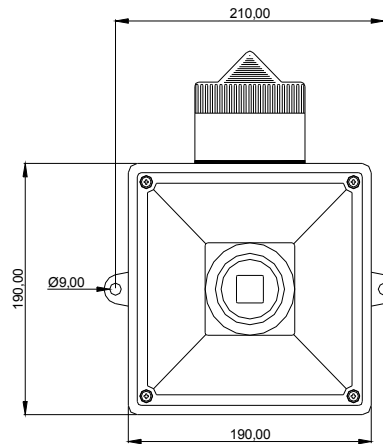
Note : SPL readings are at nominal voltage, typically +/-3dB and are for indication purposes only.
Where applicable, reduce outputs by 5dB when a 10-30vdc unit is supplied 12vdc.



A121



AL121



All dimensions are in millimetres.

Input voltages and current consumption for the A121 sounder.

Voltage :	24vdc	48vdc	115vac 50/60Hz	230vac 50/60Hz	24vac 50/60Hz
Voltage range :	10-30vdc	35-60vdc	+/-10%	+/-10%	+/- 10%
Current mA :	950mA	600mA	240mA	120mA	1000mA

Input voltages and current consumption for the AL121 combination sounder & xenon strobe beacon.

Voltage :	12vdc	24vdc	48vdc	115vac 50/60Hz	230vac 50/60Hz	24vac 50/60Hz
Voltage range :	10-14v	20-28v	42-54v	+/-10%	+/-10%	+/- 10%
Current mA :	1450mA	850mA	775mA	310mA	155mA	1300mA

Ordering code: AL121 DC 24 R / R* * = If applicable

Product	Supply	Voltage	Housing	Lens
A121	DC	12	R Red	A Amber
AL121	AC	24	W White	B Blue
		48		C Clear
		115		G Green
		230		O Opal
				R Red
				Y Yellow

TSP3501-A

No liability is accepted for 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.

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