A121

Audible Alarm Sounder UL

SIGNAWORKS

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MODEL TYPES

A121 > Alarm Sounder

FEATURES

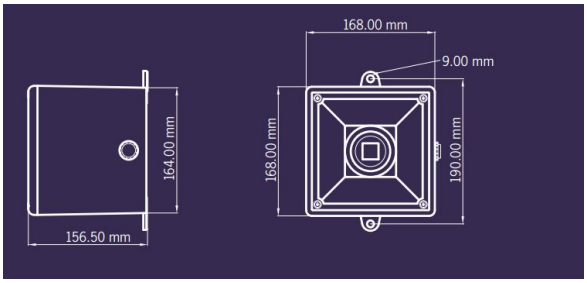
> Max Output 119dB (A) at 1 meter (112dB typical)
> 45 selectable tones
> Automatic synchronisation on multi-sounder system.
> Continuously rated.
> Stainless steel fixings.
> Unit can be mounted using external lugs or internal BESA compatible fixing positions.
> Duplicate cable terminations (in & out for daisy-chain installations).
> Tropicalisation available on request.
> Available with custom tone configurations and frequencies.

ORDERING INFORMATION

PART NO.	TONES	VOLTAGE	CURRENT
A121DC24[X]	45	10-30V dc	950mA*
A121DC48[X]	45	35-60V dc	600mA*
A121AC24[X]	45	50/60Hz +/-10%	1000mA
A121AC115[X]	45	50/60Hz +/-10%	240mA
A121AC230[X]	45	50/60Hz +/-10%	120mA

> [X] - substitute [X] for G (Grey) or R (Red)
> *Current at nominal voltage on Tone 2

DIMENSIONS



Specification:

Maximum output:	104dB(A) @ 1 metre
Nominal output:	100dB(A) @ 1m +/- 3dB - Tone 2
No. of tones:	32 (UKDOA / PFEER compliant)
No. of stages:	3
Volume control:	Max. 100dB(A); Min. 90dB(A) - Tone 2
Effective range:	32m @ 1KHz
Voltages DC:	24V dc (10-30V dc); 48V dc (35-60V dc) [DC units can use 24V ac for single stage applications.]
Voltages AC:	24V ac; 115V ac; 230V ac
Stage switching:	Negative Reverse polarity stage switching on DC units.
Ingress protection:	IP56
Housing material:	High impact UL94 V0 & 5VA FR ABS
Colour:	Red (RAL3000), grey (RAL7038) & white.
Cable entries:	3 x M20 clearance gland entries in side & back
Terminals:	0.5 to 1.5mm² cables.
Operating temperature:	-25 to +55°C
Storage temperature:	-40 to +70°C
Relative humidity:	90% at 20°C.
Weight :	DC: 0.26kg AC:0.37kg

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

Alarm sounder:

Version:		Voltage range:	Current mA:
24V dc		10-30V dc	25mA*
48V dc		35-60V dc	50mA*
24V ac	50/60Hz	+/-10%	40mA
115V ac	50/60Hz	+/-10%	20mA
230V ac	50/60Hz	+/-10%	15mA

* current at nominal voltage on Tone 2

Tone table:

Stage 1	Frequency Description	dB @ 1m	Stage 2	Stage 3
Tone 1	340 Hz Continuous	93dB(A) @ 1m	Tone 2	Tone 5
Tone 2	800/1000Hz @ 0.25 sec Alternating - BS5839 Alarm tone	101dB(A) @ 1m	Tone 17	Tone 5
Tone 3	500/2200Hz @ 0.3Hz 0.5 sec Slow Whoop - NEN 2575:2000	101dB(A) @ 1m	Tone 7	Tone 5
Tone 4	800/1000Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 6	Tone 5
Tone 5	2400Hz Continuous	103dB(A) @ 1m	Tone 3	Tone 20
Tone 6	2400/2900Hz @ 7Hz Sweeping	100dB(A) @ 1m	Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 10	Tone 5
Tone 8	500/2200/500Hz @ 0.3Hz Sweeping	100dB(A) @ 1m	Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	101dB(A) @ 1m	Tone 15	Tone 2
Tone 10	2400/2900Hz @ 2Hz Alternating	104dB(A) @ 1m	Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz Intermittent	101dB(A) @ 1m	Tone 2	Tone 5
Tone 12	800/1000Hz @ 0.875Hz Alternating	101dB(A) @ 1m	Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz Intermittent	103dB(A) @ 1m	Tone 15	Tone 5
Tone 14	800Hz 0.25sec on, 1 sec off Intermittent	103dB(A) @ 1m	Tone 4	Tone 5
Tone 15	800Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off Intermittent	96dB(A) @ 1m	Tone 18	Tone 5
Tone 17	544Hz (100mS)/440Hz (400mS) - AFNOR NF S 32-001	100dB(A) @ 1m	Tone 2	Tone 27
Tone 18	660Hz 1.8sec on, 1.8sec off Intermittent	96dB(A) @ 1m	Tone 2	Tone 5
Tone 19	1.4KHz (.6KHz 1s, 1.6KHz 1.4KHz 0.5s - AFNOR NFC48-265	98dB(A) @ 1m	Tone 2	Tone 5
Tone 20	660Hz Continuous	96dB(A) @ 1m	Tone 2	Tone 5
Tone 21	554Hz/440Hz @ 1Hz Alternating	100dB(A) @ 1m	Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. Intermittent	100dB(A) @ 1m	Tone 2	Tone 5
Tone 23	800Hz @ 2Hz Intermittent	97dB(A) @ 1m	Tone 6	Tone 5
Tone 24	800/1000Hz @ 50Hz Sweeping	101dB(A) @ 1m	Tone 29	Tone 5
Tone 25	2400/2900Hz @ 50Hz Sweeping	101dB(A) @ 1m	Tone 29	Tone 5
Tone 26	Bell	97dB(A) @ 1m	Tone 2	Tone 15
Tone 27	554Hz Continuous	100dB(A) @ 1m	Tone 26	Tone 5
Tone 28	440Hz Continuous	97dB(A) @ 1m	Tone 2	Tone 5
Tone 29	800/1000Hz @ 7Hz Sweeping	101dB(A) @ 1m	Tone 7	Tone 5
Tone 30	300Hz Continuous	91dB(A) @ 1m	Tone 2	Tone 5
Tone 31	660/1200Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 26	Tone 5
Tone 32	Two tone chime.	100dB(A) @ 1m	Tone 26	Tone 15

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