

A100

Audible Alarm Sounder UL



MODEL TYPES

A100 > Alarm Sounder

FEATURES

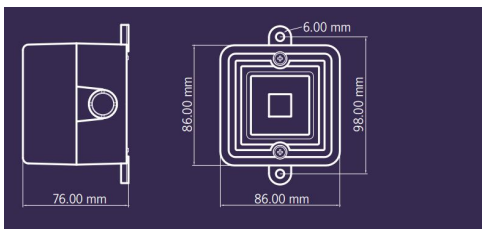
- > Max Output 104dB (A) at 1 meter (112dB typical)
- > 45 selectable tones
- > Automatic synchronization on multi-sounder system.
- > Continuously rated.
- > Stainless steel fixings.
- > Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- > Duplicate cable terminations (in & out for daisy-chain installations).
- > Tropicalisation available on request.
- > Available with custom tone configurations and frequencies.

ORDERING INFORMATION

PART NO.	TONES	VOLTAGE	CURRENT
A100DC24[X]	45	10-30V dc	25mA*
A100DC48[X]	45	35-60V dc	50mA*
A100AC24[X]	45	50/60Hz +/-10%	40mA
A100AC115[X]	45	50/60Hz +/-10%	20mA
A100AC230[X]	45	50/60Hz +/-10%	15mA

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

DIMENSIONS



Specification:	Version:	Voltage range:	Current mA:
Maximum output: 104dB(A) @ 1 metre		10-30V dc	25mA*
Nominal output: 100dB(A) @ 1m +/- 3dB - Tone 2		35-60V dc	50mA*
No. of tones: 32 (UL924 / PFEER compliant)		24V ac	40mA
Ingress protection: IP56		115V ac	20mA
Housing material: High Impact UL94 V0 & DIN FR ABS		230V ac	15mA
Colour: Red (RAL3000), grey (RAL7035) & white.		* current at nominal voltage on Tone 2	
Cable entries: 3 x M20 clearance gland entries			
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.			
Terminals: 0.5 to 1.5mm ² cables.			
Operating temperature: -25 to +50°C			
Storage temperature: -40 to +70°C			
Relative humidity: 90% at 20°C			
Weight: 1.02kg AC/0.37kg			

Stage 1	Frequency Description	@ 1m	Stage 2	Stage 3
Tone 1	440 Hz Continuous	104dB(A) @ 1m	Tone 2	Tone 3
Tone 2	800/2000 Hz @ 0.25 sec Alternating	103dB(A) @ 1m	Tone 2	Tone 3
Tone 3	480/2000 Hz @ 0.25 sec Steep Rise	103dB(A) @ 1m	Tone 2	Tone 3
Tone 4	800/2000 Hz @ 10 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 5	2400 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 6	500/2000 Hz @ 750 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 7	2400/2000 Hz @ 750 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 8	500/2000 Hz @ 750 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 9	1000/500 Hz @ 100 - 600 / PFEER P.T.A.P.	103dB(A) @ 1m	Tone 2	Tone 3
Tone 10	2400/2000 Hz @ 750 Alternating	103dB(A) @ 1m	Tone 2	Tone 3
Tone 11	800 Hz @ 10 Sec Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 12	800/2000 Hz @ 0.50 Hz Alternating	103dB(A) @ 1m	Tone 2	Tone 3
Tone 13	2400 Hz @ 10 Sec Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 14	800 Hz @ 0.25 sec on 1 sec off Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 15	800 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 16	660 Hz @ 0.25 sec on 10 sec off Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 17	540 Hz @ 0.25 sec on 10 sec off Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 18	660 Hz @ 1.0 sec on 1.0 sec off Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 19	440 Hz @ 1.0 sec on 1.0 sec off Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 20	660 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 21	540 Hz @ 0.25 sec Alternating	103dB(A) @ 1m	Tone 2	Tone 3
Tone 22	540 Hz @ 0.25 sec Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 23	800 Hz @ 0.25 sec Intermitent	103dB(A) @ 1m	Tone 2	Tone 3
Tone 24	800/2000 Hz @ 0.50 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 25	2400/2000 Hz @ 0.50 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 26	Bell	103dB(A) @ 1m	Tone 2	Tone 3
Tone 27	540 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 28	660 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 29	800/2000 Hz @ 750 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 30	2400 Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 3
Tone 31	660/2000 Hz @ 10 Sec Sweeping	103dB(A) @ 1m	Tone 2	Tone 3
Tone 32	Test tone chime	103dB(A) @ 1m	Tone 2	Tone 3

*IPR class +/-3dB(A); Measured at nominal voltage.