

A105N

Audible Alarm Sounder UL



MODEL TYPES

A105N > Alarm Sounder

FEATURES

- > Max Output 112dB (A) at 1 meter (105dB typical)
- > 32 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.

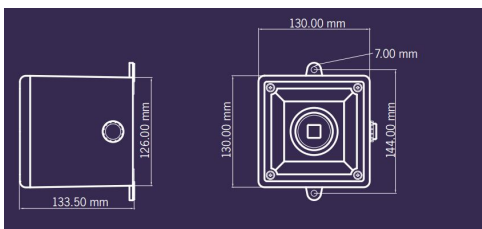
ORDERING INFORMATION

PART NO.	TONES	VOLTAGE	CURRENT
A105NDC24[X]	32	10-30V dc	25mA*
A105NDC48[X]	32	35-60V dc	50mA*
A105NDC100[X]	32	72-120V dc	27mA
A105NAC24[X]	32	50/60Hz +/-10%	40mA
A105NAC115[X]	32	50/60Hz +/-10%	20mA
A105NAC230[X]	32	50/60Hz +/-10%	15mA

> [X] - substitute [X] for G (Grey), R (Red), or W (White)

> *Current at nominal voltage on Tone 2

DIMENSIONS



Specification:

Maximum output: 112dB(A) @ 1 metre
 Nominal output: 105dB(A) @ 1m +/- 3dB - Tone 2
 No. of tones: 32 (UL924 / PFEER compliant)
 No. of stages: 3
 Volume control: Max. 105dB(A); Min. 96dB(A) - Tone 2
 Effective range: 60m @ 10Hz
 Voltages DC: 24V ac (10-30V dc); 48V ac (35-60V dc); 100V ac (70-120V dc)
 [24V dc units can use 24V ac for single stage 4800]
 Voltages AC: 24V ac; 115V ac; 230V ac
 Stage switching: Reverse polarity stage switching on DC units.
 Ingress protection: IP66
 Housing material: High Impact UL94 V0 & 5VA FR ABS
 Colour: Red (RAL 3000), grey (RAL 7038) & white.
 Cable entries: 2 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: 0.75kg AC: 1.00kg

Tone table:

Stage	Frequency Description	dB @ 1m	Stage 2	Stage 3
Tone 1	105dB(A) Continuous	105dB(A) @ 1m	Tone 2	Tone 3
Tone 2	80V/200Hz @ 2.5 sec. Alternating; 80dB(A) Alarm tone	105dB(A) @ 1m	Tone 7	Tone 8
Tone 3	100V/200Hz @ 2.5 sec. Slow Release; 100V/200	105dB(A) @ 1m	Tone 9	Tone 10
Tone 4	80V/200Hz @ 1Hz Sweeping	105dB(A) @ 1m	Tone 6	Tone 5
Tone 5	100V/200Hz @ 1Hz Sweeping	105dB(A) @ 1m	Tone 3	Tone 10
Tone 6	100V/200Hz @ 7Hz Sweeping	105dB(A) @ 1m	Tone 7	Tone 8
Tone 7	100V/200Hz @ 1Hz Sweeping	105dB(A) @ 1m	Tone 9	Tone 10
Tone 8	100V/200Hz @ 3Hz Sweeping	105dB(A) @ 1m	Tone 2	Tone 3
Tone 9	100V/200Hz @ 10Hz Sweeping	105dB(A) @ 1m	Tone 9	Tone 10
Tone 10	100V/200Hz @ 2Hz Alternating	105dB(A) @ 1m	Tone 7	Tone 8
Tone 11	100Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 2	Tone 3
Tone 12	80V/200Hz @ 2.5Hz Alternating	105dB(A) @ 1m	Tone 4	Tone 5
Tone 13	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 14	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 15	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 16	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 17	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 18	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 19	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 20	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 21	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 22	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 23	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 24	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 25	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 26	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 27	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 28	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 29	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 30	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 4	Tone 5
Tone 31	100V/200Hz @ 1Hz Intermitter	105dB(A) @ 1m	Tone 9	Tone 10
Tone 32	See tone chart	105dB(A) @ 1m	Tone 9	Tone 10

*dB, 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*
100V dc	72-120V dc	27mA
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