ELECTRONIC SOUNDERS

A112N – AL112N

- 32 tones (includes ISO tones to Australian Standards)
- 112dB @ 1m nominal output
- Optional L101 Xenon beacon
- Volume selection
- Three stage alarm
- Automatic synchronization on multi-sounder systems
- IP66

SPECIFICATIONS

A112 Sounder

VOLTAGE	VOLTAGE RANGE	CURRENT
10-30Vdc		200mA
24Vac	±10%	500mA
48Vdc	35-60Vdc	120mA
110Vac	±10%	100mA
240Vac	±10%	60mA

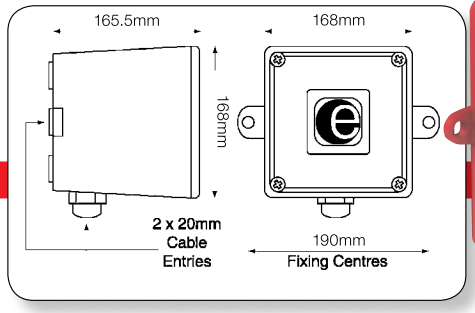
*Actual current and sound output will depend on tone selected.

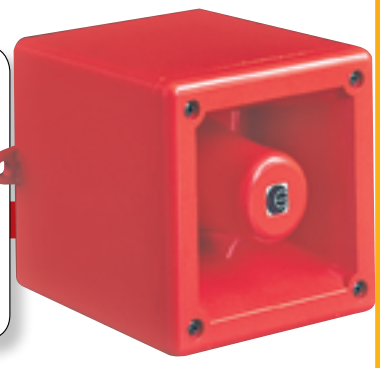
AL112 Sounder-Beacon

VOLTAGE	VOLTAGE RANGE	CURRENT
12vdc	10-14Vdc	700mA
24Vdc	20-28vdc	450mA
24Vac	±10%	800mA
48Vdc	42-54Vdc	295mA
110Vac	±10%	170mA
240Vac	±10%	95mA

Sound Output*:	112dB @1m at nominal voltage
Sound Frequency:	45 Tones: See Tone Table page 130
Protection:	IP66
Temp Rating (°C):	-25 to +55
Rating:	Continuous
Cable Entry:	20mm side and back
Construction:	Flame retardant ABS
Weight:	1.8Kg – dc version 2.1Kg – ac version

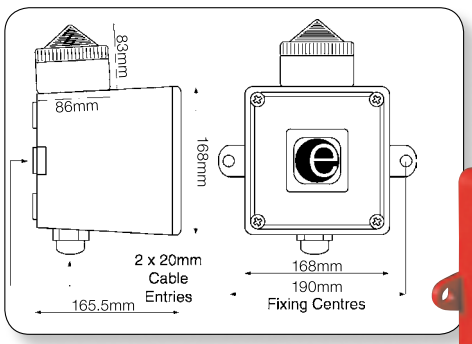
Light Source:	5J xenon
Flash Rate:	60fpm
Weight:	2.3Kg – ac version





ORDER CODE

A112 sounder	
ESS3012N	10-30Vdc
ESS3013N	24Vac
ESS3016N	48Vdc
ESS3021N	110Vac
ESS3031N	240Vac
AL112 sounder/beacon	
ESS3106N*	12Vdc
ESS3112N*	24Vdc
ESS3113N*	24Vac
ESS3116N*	48Vdc
ESS3121N*	110Vac
ESS3131N*	240Vac



****SPECIFY COLOUR:** A = Amber, B = Blue, C = Clear, G = Green, R = Red

For LED beacon add LED to code

For synchronised option add SYNC to code (only for xenon beacons)

ELECTRONIC SOUNDERS

A100- A105N- A112N-A121-A140 Tone Table

STAGE 1	FREQUENCY	STAGE 2	STAGE 3
Tone 1	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	800Hz 0.25s on/off IMO Code 3a H
Tone 2	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	500Hz 0.25s on/off IMO Code 3a L
Tone 3	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	500Hz to 800Hz 0.25s,. 0.25s off IMO Code 3b
Tone 4	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	1200Hz 0.25s, 800Hz 0.25s IMO Code 3c H
Tone 5	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	800Hz 0.25s, 500Hz 0.25s IMO Code 3c L
Tone 6	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	800Hz cont IMO Code 2 H	500Hz to 1200Hz 2sIMO Code 3d
Tone 7	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	800Hz 0.25s on/off IMO Code 3a H
Tone 8	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	500Hz 0.25s on/off IMO Code 3a L
Tone 9	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	500Hz to 800Hz 0.25s,. 0.25s off IMO Code 3b
Tone 10	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	1200Hz 0.25s, 800Hz 0.25s IMO Code 3c H
Tone 11	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	800Hz 0.25s, 500Hz 0.25s IMO Code 3c L
Tone 12	1KHz 1s on, 1s off (7x), 7 s on, 1s off repeat IMO Code 1a	500Hz cont IMO Code 2 L	500Hz to 1200Hz 2sIMO Code 3d
Tone 13	420Hz 05s on, 0.5s off (2 x), 0.5s on, 1.5s off repeat ISO 8201	Tone 27	Tone 28
Tone 14	1KHz 05s on, 0.5s off (2 x), 0.5s on, 1.5s off repeat ISO 8201	Tone 27	Tone 28
Tone 15	2900KHz 05s on, 0.5s off (2 x), 0.5s on, 1.5s off repeat ISO 8201	Tone 27	Tone 28
Tone 16	800Hz/ 1KHz Alt. 05s on, 0.5s off (2 x), 0.5s on, 1.5s off repeat ISO 8201	Tone 27	Tone 28
Tone 17	950Hz 05s on, 0.5s off (2 x), 0.5s on, 1.5s off repeat ISO 8201	Tone 27	Tone 28
Tone 18	440Hz Continuous	Tone 27	Tone 28
Tone 19	544Hz at 0.875s Intermittent	Tone 27	Tone 28
Tone 20	422Hz to 775Hz 850ms (3x), 1s off repeat NFPA whoop	Tone 27	Tone 28
Tone 21	2400/2900Hz at 2Hz Alternating	Tone 27	Tone 28
Tone 22	Slow whoop 500/1200Hz at 0.3Hz 0.5s gap	Tone 27	Tone 28
Tone 23	Australian Alert Signal 500-1500Hz @2 sec on, 1 sec off (ISO7731)	Tone 24	Tone 28
Tone 24	Australian Evacuation Signal 1500/500Hz Sweeping – 0.5 seconds on, 0.55 seconds off (repeats 3 x) then 1.5 seconds off and repeat (ISO8201)	Tone 23	Tone 28
Tone 25	1000Hz & 2000Hz Alternating	Tone 29	Tone 28
Tone 26	660Hz 150ms on and 150ms off Intermittent	660Hz 1.8s on and 1.8s off Intermittent	Tone 28
Tone 27	Alt 800/1000Hz at 0.25s BS5839	Tone 31	Tone 28
Tone 28	1000Hz Cont. PFER Toxic Gas All Clear	Tone 29	Tone 30
Tone 29	1KHz 1s on, 1s off Intermittent	Tone 28	Tone 30
Tone 30	1200/500Hz at 1Hz – DIN/PFEER P.T.A.P	Tone 28	Tone 27
Tone 31	554Hz for 100mS and 440Hz for 400ms –NF S 32-001	Tone 27	554Hz Continuous
Tone 32	1.4KHz to 1.6KHz 1s, 1.6KHz to 1.4KHz 0.5s	Tone 27	554Hz Continuous