

MCA112-05 Combined Marine IP67 Sounder & Beacon



- Maximum output : 119dB(A) @ 1metre
Nominal output : 112dB(A) @ 1m +/-3dB, Tone 2
- 45 alarm tones (UKOOA/PFEER compliant)
- 3 stage alarm option
- Volume control
- Automatic synchronisation on multi-sounder systems
- 125m effective range @ 1kHz
- Beacon : 5 Joule @ 1Hz (5 Ws).
- Automatic synchronised flash, or Flip-Flop alternating mode
- 6 lens colours available
- Xenon tube mechanically secured against vibration/shock.
- Voltages : 12vdc; 24vdc; 48vdc; 24vac; 115vac; 230vac
- Other voltages available upon request.
- 24vdc versions may be used on 24vac +/- 10% for single stage applications.
- Positive stage switching DC version available .
- Reverse polarity switching on DC units
- Fully programmable version with 4 stages available.
- Borosilicate glass dome with optically enhanced prismatic lens cover
- Stainless Steel dome guard as standard
- Third party tested to IP67 & IP66
- Enclosure material : UL94V0 & 5VA rated FR ABS
- Colour available : Grey (RAL7038)
- Operating temperature : -25 to +55°C
- Storage temperature : -40 to +70°C
- Relative humidity : 90% at 20°C
- Weight : DC: 3.00Kg AC: 3.50Kg



A heavy duty high output IP67 sealed sounder & beacon, ideal for harsh environments with high ambient noise levels also requiring a visual indicator.

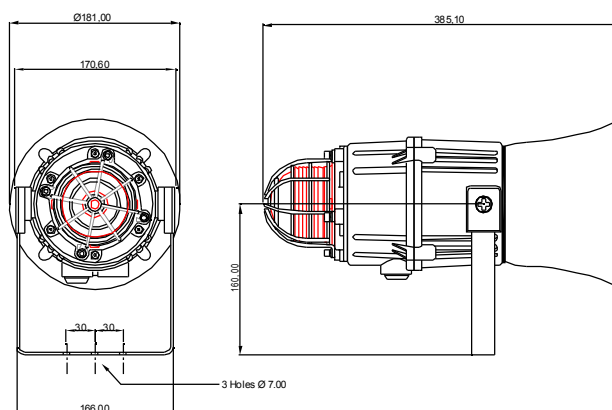
- Large termination area
- 2 x M20 ISO cable gland entries (with 1 blanking plug).
- Ratchet adjustable stainless steel 'U' bracket for 360° positioning.
- All units offer IN & OUT terminals
- Terminals accept 0.5 to 4.0mm² cables.
- Sounder & beacon may use same supply for simultaneous operation or separate supplies for independent operation.

Input voltages and current consumption for the MCA112-05 sounder component.

Voltage :	24vdc	48vdc	115vac 50/60Hz	230vac 50/60Hz	24vac 50/60Hz
Voltage range :	10-30vdc	35-60vdc	+/-10%	+/-10%	+/-10%
Current mA :	200mA	120mA	110mA	60mA	500mA

Input voltages and current consumption for the MCA112-05 beacon component.

Voltage :	12vdc	24vdc	48vdc	115vac 50/60Hz	230vac 50/60Hz
Voltage range :	10-14v	20-28v	42-54v	+/-10%	+/-10%
Current mA :	550mA	300mA	180mA	140mA	55mA



All dimensions are in millimetres.

Also available :

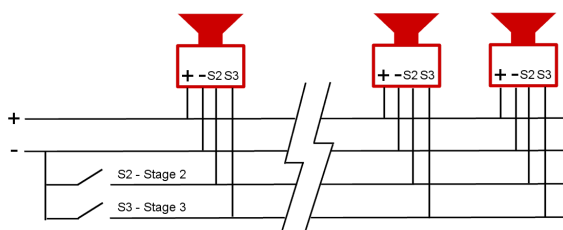
ML15 15w & **ML25** 25w marine loudspeaker
MA112 & **MA121** high output marine sounders
MB005 & **MB010** 5 and 10 Joule marine beacons
MV112 high output marine voice annunciation unit



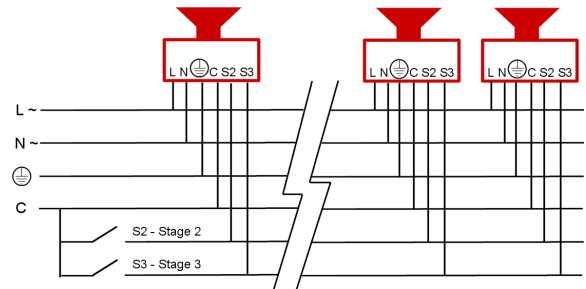
Stage 1	Frequency Description	dB @ 1m	Stage 2	Stage 3
Tone 1	340 Hz Continuous	107dB(A) @ 1m	Tone 2	Tone 5
Tone 2	800/1000Hz @ 0.25 sec Alternating	112dB(A) @ 1m	Tone 17	Tone 5
Tone 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	113dB(A) @ 1m	Tone 2	Tone 5
Tone 4	800/1000Hz @ 1Hz Sw eeping	113dB(A) @ 1m	Tone 6	Tone 5
Tone 5	2400Hz Continuous	119dB(A) @ 1m	Tone 3	Tone 20
Tone 6	2400/2900Hz @ 7Hz Sw eeping	116dB(A) @ 1m	Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz Sw eeping	116dB(A) @ 1m	Tone 10	Tone 5
Tone 8	500/1200/500Hz @ 0.3Hz Sw eeping	113dB(A) @ 1m	Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	113dB(A) @ 1m	Tone 15	Tone 2
Tone 10	2400/2900Hz @ 2Hz Alternating	119dB(A) @ 1m	Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz Intermittent	112dB(A) @ 1m	Tone 2	Tone 5
Tone 12	800/1000Hz @ 0.875Hz Alternating	112dB(A) @ 1m	Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz Intermittent	119dB(A) @ 1m	Tone 15	Tone 5
Tone 14	800Hz 0.25sec on, 1 sec off Intermittent	113dB(A) @ 1m	Tone 4	Tone 5
Tone 15	800Hz Continuous	113dB(A) @ 1m	Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off Intermittent	109dB(A) @ 1m	Tone 18	Tone 5
Tone 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	109dB(A) @ 1m	Tone 2	Tone 27
Tone 18	660Hz 1.8sec on, 1.8sec off Intermittent	109dB(A) @ 1m	Tone 2	Tone 5
Tone 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265	114dB(A) @ 1m	Tone 2	Tone 5
Tone 20	660Hz Continuous	109dB(A) @ 1m	Tone 2	Tone 5
Tone 21	554Hz/440Hz @ 1Hz Alternating	109dB(A) @ 1m	Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. Intermittent	109dB(A) @ 1m	Tone 2	Tone 5
Tone 23	800Hz @ 2Hz Intermittent	113dB(A) @ 1m	Tone 6	Tone 5
Tone 24	800/1000Hz @ 50Hz Sw eeping	112dB(A) @ 1m	Tone 29	Tone 5
Tone 25	2400/2900Hz @ 50Hz Sw eeping	116dB(A) @ 1m	Tone 29	Tone 5
Tone 26	Bell	108dB(A) @ 1m	Tone 2	Tone 15
Tone 27	554Hz Continuous	109dB(A) @ 1m	Tone 26	Tone 5
Tone 28	440Hz Continuous	106dB(A) @ 1m	Tone 2	Tone 5
Tone 29	800/1000Hz @ 7Hz Sw eeping	112dB(A) @ 1m	Tone 7	Tone 5
Tone 30	300Hz Continuous	107dB(A) @ 1m	Tone 2	Tone 5
Tone 31	660/1200Hz @ 1Hz Sw eeping	112dB(A) @ 1m	Tone 26	Tone 5
Tone 32	Tw o tone chime.	108dB(A) @ 1m	Tone 26	Tone 15
Tone 33	745Hz @ 1Hz Intermittent	109dB(A) @ 1m	Tone 2	Tone 5
Tone 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	114dB(A) @ 1m	Tone 38	Tone 45
Tone 35	420Hz @ 0.625 sec Australian Alert	108dB(A) @ 1m	Tone 36	Tone 5
Tone 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	113dB(A) @ 1m	Tone 35	Tone 5
Tone 37	1000Hz Continuous - PFEER Toxic Gas	112dB(A) @ 1m	Tone 9	Tone 45
Tone 38	2000Hz Continuous	116dB(A) @ 1m	Tone 34	Tone 45
Tone 39	800Hz 0.25sec on, 1 sec off Intermittent	113dB(A) @ 1m	Tone 23	Tone 17
Tone 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	112dB(A) @ 1m	Tone 31	Tone 27
Tone 41	Motor Siren - slow rise to 1200 Hz	113dB(A) @ 1m	Tone 2	Tone 5
Tone 42	Motor Siren - slow rise to 800 Hz	114dB(A) @ 1m	Tone 2	Tone 5
Tone 43	1200 Hz Continuous	113dB(A) @ 1m	Tone 2	Tone 5
Tone 44	Motor Siren - slow rise to 2400 Hz	118dB(A) @ 1m	Tone 2	Tone 5
Tone 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm	112dB(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.

DC unit wiring configuration.



AC unit wiring configuration.



Ordering code :

MCA112-05

DC

24

G

/

R

Product
MCA112-05

Supply
DC
AC

Voltage
12
24
48
115
230

Housing
G Grey

Lens
A Amber
B Blue
C Clear
G Green
R Red
Y Yellow

TSP3607-B