



FOGHORN

MSN-10



The MSM fog signal, model MSN-10 automatically provides a 360° beam of sound in the horizontal plane, is specifically designed to be installed in places with thick fog or in off-shore platforms. Designed as Aid to Navigation, provides an audible range up to 2 nautical miles.

It is manufactured with high-quality and resistant manufacturing materials to achieve a long-service life under the harshest marine conditions.

Due to his modular design, it is easy to increase or reduce the sound intensity at will.

Ideal for off-shore locations requiring a low consumption, such as isolated solar-powered applications.

Designed according to IALA Recommendations.

FEATURES

- ✓ Audible range up to 2 nautical miles.
- ✓ 360° beam of sound in the horizontal plane.
- ✓ Emission of 134 dB at 1 meter.
- ✓ Off-time current lower than 0.04A.
- ✓ Frequency: 660 Hz/670 Hz (accuracy 0.15%).
- ✓ Average operation lifetime over 100.000 hours.
- ✓ Watertightness degree IP 66.
- ✓ Protection against corrosion.
- ✓ Ready to be charged by solar energy or conventional batteries.
- ✓ Configuration by levels (5 units).
- ✓ Control unit based on microprocessor.
- ✓ Audible signal adjustable by user, Morse code or other programmed code by PC.
- ✓ ATEX Certification under request.

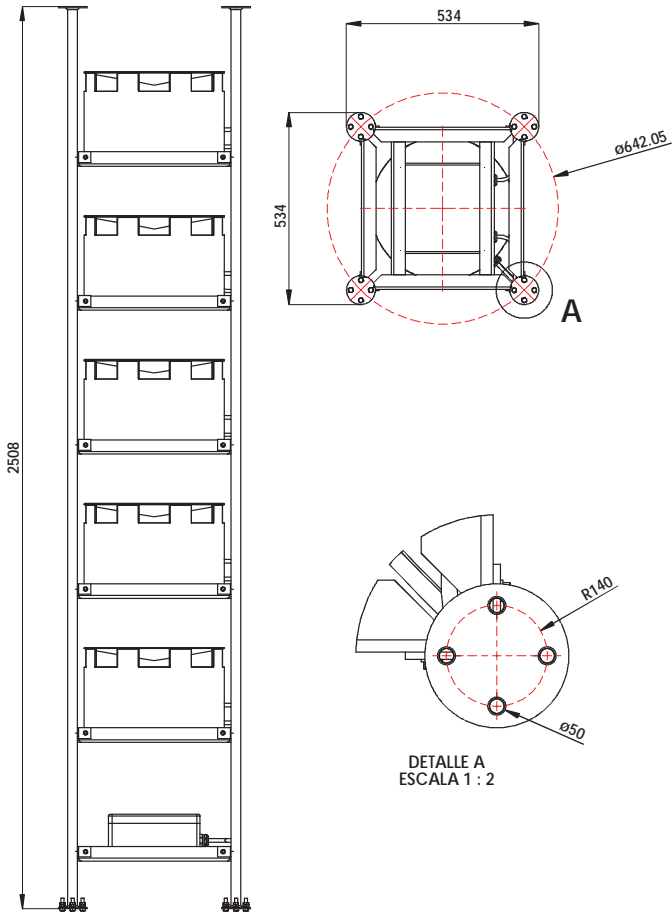


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Specifications subject to change without previous notice.



Power	
Voltage:	From 12 to 24 Vdc.
Current during blast (24V):	7,5A
Current quiescent:	Less than 40 mA.

Transmission	
Frequency range:	660 to 670 Hz.
Audible range:	2 nm.
Transmission power:	150W
Transmission accuracy:	0.15%.

Materials and environment	
Material:	Marine aluminium.
Shock resistance:	High.
Vibration resistance:	High.
Fixation:	By support with 4 hooks, 4 bolts per unit.
Weight:	143 kg.
Watertightness degree:	IP 66.
Temperature range:	From -30° to 60°C.

Options	
Monitoring control system connection.	
ATEX certification as an option: II 3G Ex nA nb II T4.	
Recognising possibility for all type of signal codes.	
Possibility to be install behind MSM sensor.	
Fog sensor available.	
Others specifications available under request.	

Audible range by level		
1 level:	1 nautical miles at 1 meter.	127 dB.
2 levels:	1.25 nautical miles at 1 meter.	130 dB.
3 levels:	1,5 nautical miles at 1 meter.	131 dB.
4 levels:	1.75 nautical miles at 1 meter.	133 dB.
5 levels:	2 nautical miles at 1 meter.	134 dB.

MVS-10 fog sensor specifications	
Visibility sensor range: 30 m to 16 km. Other ranges as an option.	
Power: 12V (220V optional).	
Analogic output: 0-5V (0-10V optional). RS-232 optional.	



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