

# SAILOR MARINE PRODUCTS

Improved safety at sea



SAILOR's line of marine products is designed to meet the toughest of maritime environments. Every product in SAILOR's marine product programme will make your existing safety system even safer.

## SAILOR 406MHz SATELLITE EPIRB

Emergency Position Indicating Radio Beacon

Using state-of-the-art electronics and a 3-cell Lithium battery, the SAILOR 406MHz Satellite EPIRB combines the strength, safety and durability required for a fully compliant GMDSS EPIRB. SAILOR's EPIRB features a compact and functional design and has a small mounting footprint.

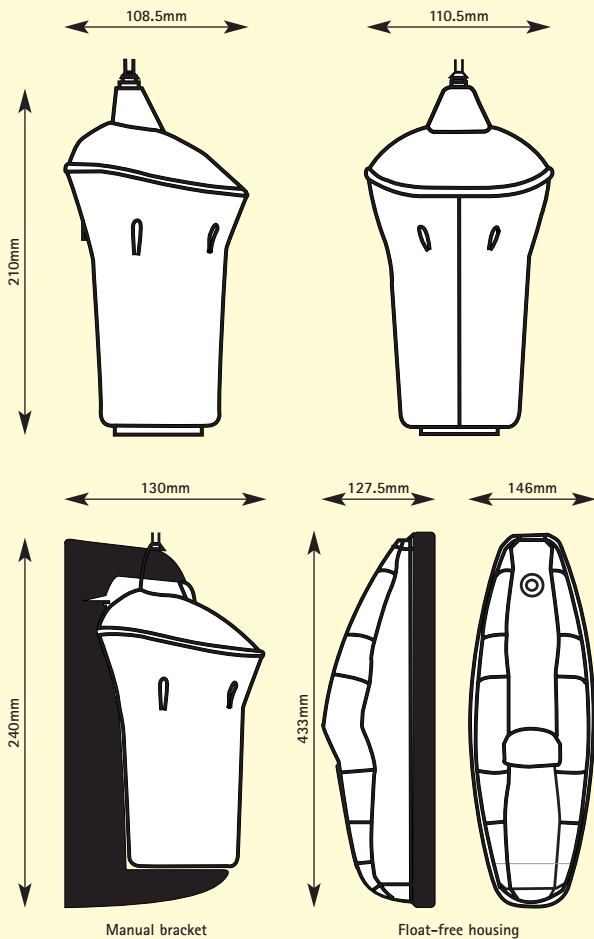
- GMDSS compliant
- Global distress alerting
- Satellite location
- Small and lightweight
- Fully enclosed housing
- 5-year shelf life

For GMDSS compliance, the SAILOR 406MHz Satellite EPIRB has a slimline fully enclosed float free housing which allows self-testing of the EPIRB in question. The SAILOR EPIRB is also available with a quick release bulkhead mounting bracket for carry-off situations.



When safety counts

## SAILOR 406MHz SATELLITE EPIRB



The SAILOR 406MHz Satellite EPIRB is a satellite distress beacon designed to operate in conjunction with the Cospas-Sarsat international satellite search and rescue system. This system locates beacons transmitting on the 406MHz frequency to within 5km (3nm). Once Search And Rescue (SAR) units are at the distress scene the beacon's 121.5MHz homing transmitter and its high intensity xenon strobe light aid final location even in poor visibility.

SAILOR 406MHz Satellite EPIRB is fully compatible with the Cospas-Sarsat and Global Maritime Distress and Safety System (GMDSS) regulations and meets the latest requirements A810 (19) of the International Maritime Organisation (IMO).

When shipped the beacon is programmed with a unique serial number which must be registered with the national authorities. Where national authorities allow, the beacon can be re-programmed with the vessels satellite or radio call sign. This is done by the distributor using an infra-red light pen connected to a Windows based computer.

The SAILOR EPIRB is supplied with a fully enclosed automatic float free housing which allows it to be self-tested while in the housing. For non GMDSS use the unit can be supplied in a quick release bulkhead mounting bracket.

Once removed from its mounting bracket, activation happens automatically by immersion of the water or manually by a protected push button on the rear of the EPIRB. An additional self-test button runs a short diagnostic check and indicates that the EPIRB is ready for use.

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### General

Message formats	Serialised, MMSI and radio call sign
Programming	Via RS232 light pen and Windows based PC
Temperature	Operating -40°C to +55°C (Class 1) Storage -40°C to +70°C
Battery life	5 years storage then 48 hours operation
Sealing depth	Waterproof to 10m
Weight	700g (1.6lb)

### 406MHz transmitter

Frequency	406.025MHz +/-2kHz
Output power	5 Watts +/- 2dB
Modulation	Biphase 1.1 +/- 0.1 radians

### 121.5MHz transmitter

Frequency	121.5MHz +/- 3kHz
Output power	50mW ERP
Modulation	AM, up or down swept tone

### Visual location

Intensity	0.75Cd Xenon discharge light
Flash rate	23 flashes per minute

### Approvals

Complies with IMO resolutions A662(16), A694(17), A810(19)  
Complies with IEC 1097-2  
Cospas-Sarsat C.S.T.001 and T.007  
European ETS-300-066  
USA, RTCM



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