

## SAILOR SE-II AND SGE-II EPIRBs

### Emergency Position Indicating Radio Beacon



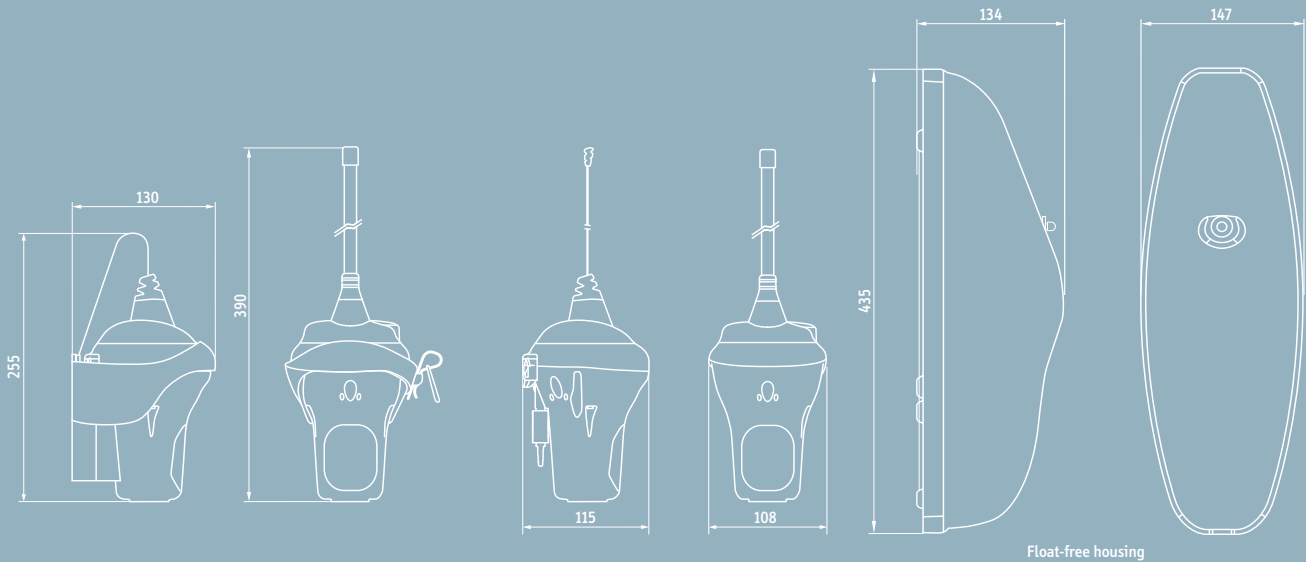
The SAILOR® SE-II and SGE-II Satellite EPIRBs are satellite distress beacons designed to operate in conjunction with the Cospas-Sarsat international satellite search and rescue system.

#### Important features

- GMDSS compliant
- Global distress alerting
- Satellite location
- Small and lightweight
- Fully enclosed housing
- 5-year shelf life
- Built-in GPS (model SGE-II only)

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 considering the SAILOR® 406 MHz Satellite EPIRB for your vessel, you have the choice of two versions – the standard SE-II or the SGE-II. The SGE-II is distinguished by a built-in GPS and the ability to provide Search and Rescue (SAR) services with location details, including latitude and longitude.

Both models rely on a cutting edge satellite system able to locate beacons transmitting on the 406MHz frequency to within 5km (3nm). Once SAR units are at the distress scene the beacon's 121.5MHz homing transmitter and it's 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 requirements A810 (19) of the International Maritime Organisation (IMO).

## TECHNICAL DATA

### General

|                        |  |
|------------------------|--|
| Message formats:       | Serialised, MMSI and radio call sign     |
| Programming:           | Via RS232 light pen and Windows based PC |
| Temperature Operating: | -20°C to +55°C (Class 2)                 |
| Temperature Storage:   | -30°C to +70°C                           |
| Battery life:          | 5 years storage then 48 hours operation  |
| Sealing depth:         | Waterproof to 10m                        |
| Weight:                | 770g (1.7lb)                             |

### 406MHz transmitter

|               |                    |
|---------------|--------------------|
| Frequency:    | 406.025MHz +/-1kHz |
| Output power: | 5 Watts            |
| Modulation:   | Typical phase      |

### 121.5MHz homing transmitter

|               |                     |
|---------------|---------------------|
| Frequency:    | 121.5MHz +/- 3.5kHz |
| Output power: | 50mW ERP            |
| Modulation:   | AM swept tone       |

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. The specially designed bracket prevent unintentional activation in carry-off situations.

### Visual location

|                    |                             |
|--------------------|-----------------------------|
| Intensity:         | 0.75Cd light output minimum |
| Flash rate:        | 23 flashes per minute       |
| Strobe light type: | Two high intensity LEDs     |

