

# SAILOR® SART II

**COBHAM**

9 GHz Search And Rescue Transponder

2013 Product Sheet

The most important thing we build is trust

**All products from the SAILOR product programme are designed for the rough conditions at sea and the SAILOR SART II is no exception. The SAILOR SART II is small and easy to use, offering safety in critical situations.**

**The SAILOR SART II is a 9 GHz X-band Radar transceiver and has been designed for assisting rescue operations in accordance with IMO, GMDSS requirements.**

When a radar signal is received from a vessel or aircraft, the SAILOR SART II automatically transmits a response signal, which clearly identifies the survival craft on the radar screen by means of a stream of 12 in-line dots. Once activated, the SAILOR SART II will remain in standby mode for over 96 hours.

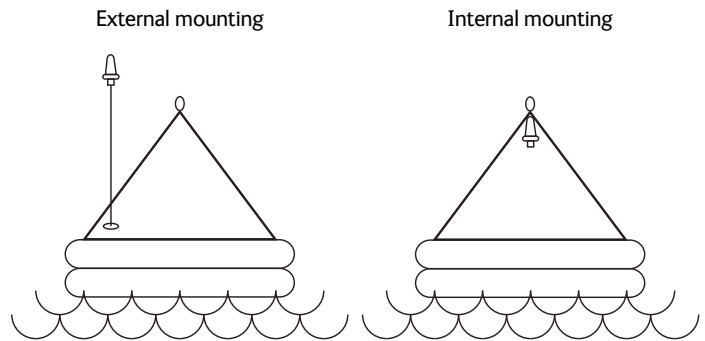
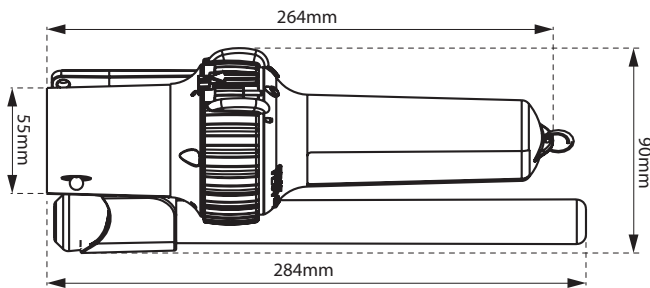
## Features include:

- Ship or survival craft options
- Waterproof to 10 m
- Maintenance free
- Replaceable, 5 year battery pack
- Audio/visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options – internal/external



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## GENERAL SPECIFICATIONS

Receiver Response	9.2-9.5GHz, sensitivity better than -50dBm
Transmitter Response	12 forward and return sweeps through the range 9.2-9.5GHz Nominal sweep times 7.5µs forward and 0.4µs return Minimum recovery time following excitation, less than 10µs Response reply to receiver signal less than 0.5µs
Radiated Power (ERP)	Not less than 400mW (+26dBm)
Duration of Operation	96 hours in standby condition followed by a minimum 8 hours of transmission while being continually interrogated with a pulse repetition frequency of 1kHz
Temperature Range	-20 C to +55 C operational -30 C to +65 C storage
Antenna Characteristics	Vertical beamwidth at least +/- 12.5 degree relative to the horizontal plane of the radar transponder. Azimuthal beamwidth omni-directional to +/- 2dB
Effective Antenna Height	1 meter or greater
Weight	530g (with mast and bracket)
Dimensions	264 mm long x 90 mm diameter Depth with bracket 101 mm

## TRANSPORTATION

UN 3091 Class 9 hazard restrictions apply.



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Subject to change without further notice.