

9GHz search and rescue transponder **SART** RT9



The McMurdo Search and Rescue Transponder (SART) is a 9GHz receiver/transmitter. On receiving a pulse from any standard 9GHz X-band radar, the SART immediately transmits a signal which clearly identifies the survival craft on the radar screen by means of a series of 12 in-line dots. Once activated, the SART will remain in standby mode for over 96 hours.

It is fully approved and has been designed for assisting in air/sea rescue operations in accordance with IMO, GMDSS requirements.

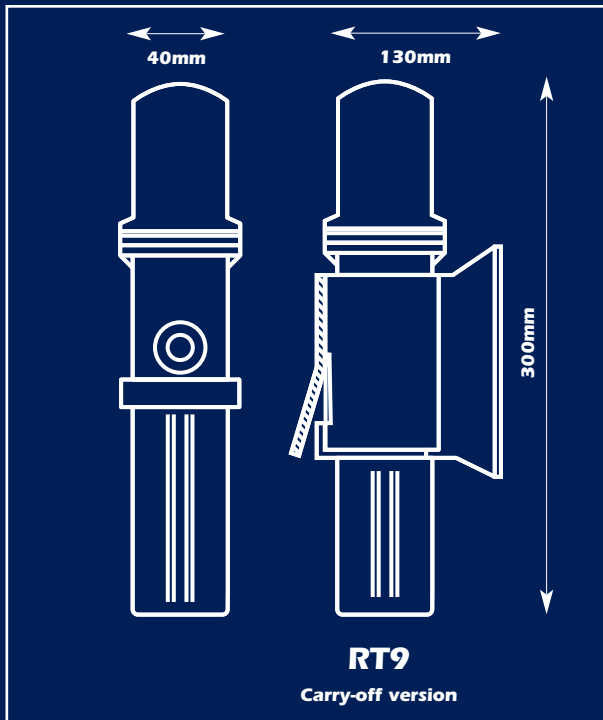
- **Approved to IEC 1097-1**
- **Small and lightweight**
- **Ship or survival craft applications**
- **5 year longlife replaceable battery pack**
- **Maintenance Free**
- **Audio/visual alarm**
- **Built-in test facility**
- **Mounting options - internal/external**

Designed to meet the toughest of marine environments, it has been proven in use worldwide.

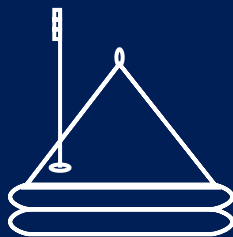


technical specifications

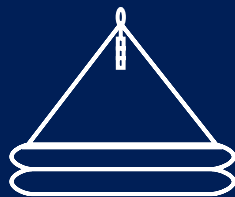
McMurdo 9GHz SART RT9



External Mounting



Internal Mounting



- Receiver Response:** 9.2 - 9.5 GHz, sensitivity better than -50dBm.
- Transmitter Response:** 12 forward and return sweeps through the range 9.2 to 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 (EPIRB):** Not less than 400mW (+26dBm)
- Duration of Operation:** 96 hours in standby condition followed by a minimum 8 hours of transmission while being continuously 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 to +/- 2dB. Azimuthal beamwidth omnidirectional to +/- 2dB.
- Effective Antenna Height:** 1 metre or greater.
- Weight:** 950g (without Bracket)
- Dimensions:** 300mm long x 62mm diameter.
- The McMurdo SART is approved by every major maritime nation around the world, including EU MED (Ship's Wheel), USA FCC, Canada, Singapore etc.**

Ordering Information

RT9 SART	Order 80-D130
Rescue SART	Order 80-D129
RT9 SART (French)	Order 80-D132
RT9 SART (without mast and bracket)	Order 80-D143

Other GMDSS equipment in the McMurdo product range includes EPIRBS and Radios

AUTHORISED DEALER

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