

9GHz search and rescue transponder **SART** **S4**



The new S4 SART is the latest quality product from McMurdo. The S4 is the smallest SART on the market*. Easy to use even with gloved or wet hands, the S4 offers reliability in a compact design.

The S4 is a 9GHz X-band Radar transceiver and has been designed for assisting air/sea ship or survival craft rescue operations in accordance with IMO, GMDSS requirements.

When a radar signal is received from a ship or aircraft, the S4 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 S4 will remain in standby mode for over 96 hours.

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

The S4 has been designed for reliable operation in the toughest of marine environments, in accordance with IMO GMDSS requirements.

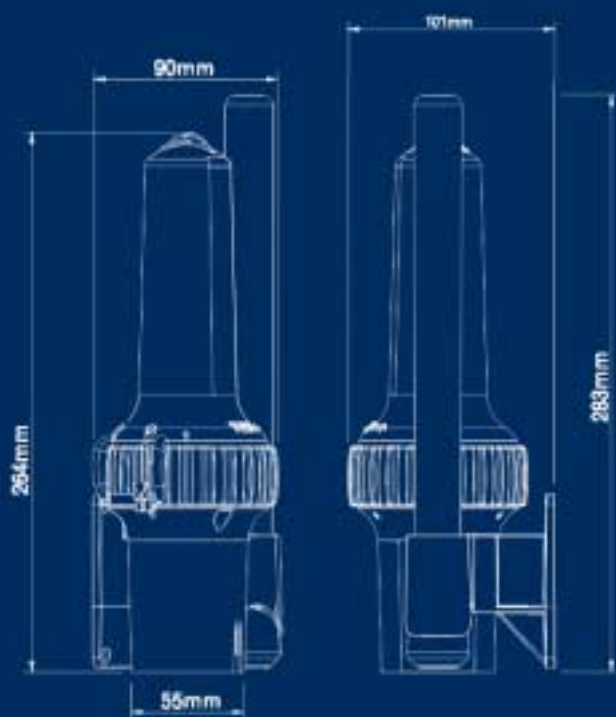
* correct at time of printing

** from date of manufacture



technical specifications

9GHz search and rescue transponder SART S4



General

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 omnidirectional to +/- 2dB.
Effective Antenna Height:	1 metre or greater.
Weight:	360g (without mast or bracket) 510g (with mast) 530g (with mast & bracket)
Dimensions:	264mm long x 90mm diameter

To comply with UN regulations for transportation, as of January 2003 any products containing lithium batteries will be classified as UN Hazardous Class 9

Other equipment in the McMurdo range includes EPIRBs, PLBs, UAIS, VHF Radios, DSC VHF Radios, survivor location lights, ICS NAVTEX equipment and Pains Wessex pyrotechnics.

Ordering information

Model	Description	Part No.
S4 SART	C/w mast & mounting bracket	86-300-001
Rescue S4 SART	C/w mast & mounting bracket	86-300-004
S4 SART	C/w mast only	86-302-001
Rescue S4 SART	C/w mast only	86-302-004
S4 SART	Without mast or bracket	86-304-001
Rescue S4 SART	Without mast or bracket	86-304-004
UN No: UN3091		

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