

RESCUER 9 GHz SART



Why you should choose the RESCUER SART

EASY TO USE

In an emergency, the RESCUER SART is removed from its bracket and easily taken into a liferaft thanks to its small size and light weight for easy and safe installation by the survivors.

It is also designed for liferaft on board passenger vessels (SART Carriage requirement for RO RO Passenger ships, Chapter III regulation 26) for quick deployment.

HIGH STABILITY

The velcro band supplied with the RESCUER SART enables safe and easy installation inside the liferaft canopy for better stability and good transmission in heavy seas.

2 adaptation kits are available on option:

- The metal adaptation plate
- The telescopic pole in fibreglass.

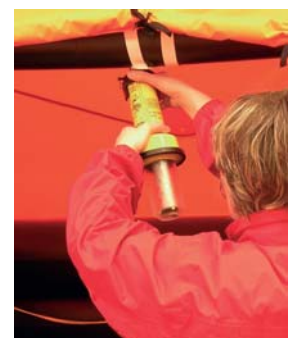
For your safety at sea

KANNAD has completed its world renowned range of 406 Epirbs with the RESCUER SART in order to fulfil GMDSS carriage requirements (Global Maritime Distress and Safety System).

The RESCUER SART (Search and Rescue Radar Transponder) is a very simple 9 GHz receiver/transmitter which provides a position.

The fundamental function of the SART is to indicate its position by producing range and bearing information on any 9 GHz radar screen (with no modification). The SART code displayed on the radar screen is a series of dots extending radially outwards from the location of the transponder. The series of dots represents a range of approximately 10 nautical miles.

This indication is an internationally accepted signal for Search And Rescue operations. In addition, the SART gives confidence to survivors by giving a loud signal and visual indication of the approach of assistance.

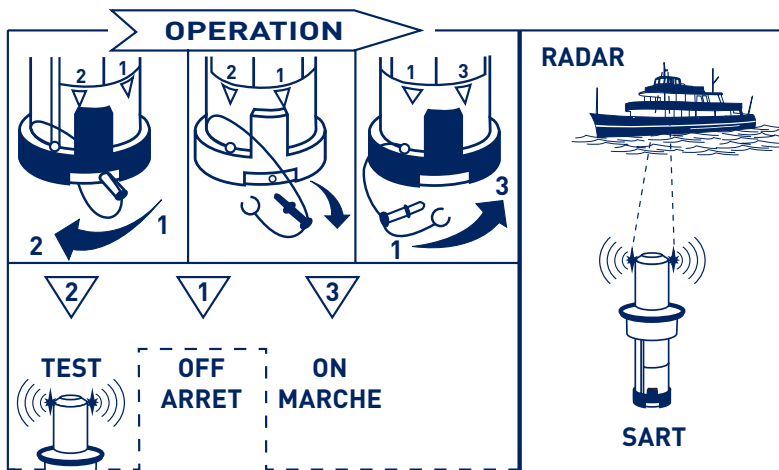


Operating principle

- Remove Rescuer from its bracket
- Activate by pulling the black pin out
- Check that the red light is on for stand-by position
- In operation, the flashing light on top of the radome and beeper indicate that the signal is received by a radar and rescue is on its way

The SART responds automatically using a 9 GHz high-speed frequency sweeping signal with a pulse emission period of 100µs which is synchronous with any received scanning pulse.

The SART response signal scans all frequencies in the 9 GHz radar band.



RESCUER SART



Standard installation with velcro band



Optional installation with pole



Metal adaptation option

GMDSS requirements

All ships between 300 and 500 GRT must carry one SART.
 All ships of 500 GRT and over must carry two Sarts.
 Every four liferaft on board passenger vessels must carry one SART.
 Make sure you have your Kannad Epirb and your RESCUER SART(s) on board for your safety.
 Numerous national approvals for immediate carriage.
 KANNAD offers a world wide service and distribution network for your safety.

GENERAL CHARACTERISTICS

Temperature range	-20°C +55°C
Storage range	-30°C +65°C
Batteries	
Operating life at -20°C	Up to 100 hours stand-by + 8 hours continuous operation
Operating life at +55°C	Up to 100 hours stand-by + 15 hours continuous operation
Battery life	5 years
Battery replacement	recommended every 4 years

Body

Made of polycarbonate and yellow coated aluminium with high resistance to shocks

Dimensions

Body diameter	62mm
Diameter maxi	114mm
Height	300mm
Weight	790gr

TECHNICAL SPECIFICATIONS

Frequency	9.2 - 9.5 GHz
Polarisation	Horizontal
Antenna	
Horizontal	Omnidirectionnal <±2dB
Vertical	±12.5°
Transmitter	
Sweep rate	
Forward	7.5µs nominal ±1µs
Return	0.4µs nominal ±1µs
Radiated power	>400mW E.I.R.P.
Response delay	<0.5µs nominal
Receiver	
Effective sensitivity	better than -50dBm
Recovery time	less than 10µs

TYPE APPROVAL:

- IEC 1097-1
- WEELMARK CERTIFICATE
- NUMEROUS NATIONAL APPROVALS WORLD WIDE

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