S.701 SART
Search & Rescue Transponder

- The S.701 SART from SevenStar Electronics Ltd is the result of many years experience in the specification, design, manufacture and use of SARTs and related marine safety equipment. It brings together the ultimate in high-reliability design and modern manufacturing techniques.

- It produces an instantly recognisable “12 dot” radar return to alert & direct passing vessels and aircraft.

- It is EU MED ‘Wheelmark’ and FCC approved, and has been specifically designed with liferafts and yacht ‘grab-bags’ in mind, as well as conventional SOLAS ‘carry-off’ use. It is capable of auto activation in liferaft installations, and is the slimmest SART available today (<40mm) (also approved in India, Greece .... check web site for other Approvals).

- Its exceptionally low power consumption makes it the first SART that can be shipped globally as non-hazardous goods — safer, cheaper and much easier to ship, deploy and stock.

- Its unique digital design brings new levels of sophistication, with guaranteed lifetime performance, reduced component count and increased reliability.

GMDSS rules state that all vessels above 300 gross tonnes must carry at least one SART, and those above 500 gross tonnes at least two SARTs. SARTs have been proved to be invaluable in rapidly locating survivors — so much so that SOLAS requirements now specify SARTs to also be fitted to life rafts in Ro-Ro ferries.
SPECIFICATIONS

• EU MED ‘Wheelmark’ and FCC approved
• Also approved in Greece, India, Ukraine … - check web site for latest Approvals
• Designed for SOLAS ‘carry-off’ and integrated life-raft and yacht grab-bag applications
• Ultra-slim (only 40mm thick!), light-weight, automatic or manual activation
• S.701 – C/O model includes mounting bracket, 10 metre buoyant tether and mounting straps
• Specify S.701- L/R model for liferaft/yacht fit
• Telescopic mounting pole option S.701MP
• Frequency range: X-band, 9.2 to 9.5 GHz
• Spec: IEC 1097-1 1992, IEC 90645, IMO 694(17)
• Complies with Marine Equipment Directive and USCG/FCC requirements.
• Non-Hazardous Battery: type SevenStar S.701B. (Replace every 5 years)
• Tx power: > 400mW (+26 dBm)
• Rx sensitivity: better than –50 dBm
• Operating life: greater than 96 hours in Standby mode, AND greater than 8 hours in Active mode - transmitting (at 1 kHz rate)
• Body in high visibility yellow to BS4800/10E53
• Indication: High-brightness LED on front face
• Temp range: Operating: -20/+55 degC
• Temp range: Storage: -30/+70 degC
• Waterproof to 10 metres
• SART Size: 332 x 80 x 40 mm. (13.1” x 3.2” x 1.6”)
• Weight: 390 gm (excl bracket)
• Carton dimensions (incl bracket): 420 x 120 x 100 mm