

SAILOR TT-3000SSA

Ship Security Alert System



The SAILOR TT-3000SSA Ship Security Alert System (SSAS) rests on the renowned and very reliable Inmarsat-C technology from Thrane & Thrane, which for more than a decade has been an integral part of the Global Maritime Distress and Safety System (GMDSS).

The SAILOR TT-3000SSA is a very cost-efficient stand alone solution featuring no subscription fees and fulfils all requirements of SOLAS Resolution XI-2/6 and is approved by all major classification societies.

SOLAS Resolution XI-2/6

The SOLAS Resolution XI-2/6 states that vessels above 500 GT must carry a Ship Security Alert System providing minimum two alert buttons, which can be activated in case of piracy or terrorist attacks. The alarm is a covert signal, which will have no sound and no flashing lights, thus maintaining discretion and avoiding obvious detection by any intruders on board the ship.

The SAILOR TT-3000SSA System

The standard SAILOR TT-3000SSA package consists of a SAILOR TT-3026M mini-C transceiver with 20 meter* transceiver cable, interconnection box, followed by two alert buttons and one test button that can be installed up to 50 meters** away from the interconnection box.

* Up to 50 meters optional

** Up to 150 meters optional

Flexible SSAS Alert Routing and Positioning

The SAILOR TT-3000SSA can deliver SSAS alerts direct to competent authorities and other destinations, as specified by the ISPS code and shipping company. As an additional feature, the SAILOR TT-3000SSA is capable of reporting its GPS positions on regular intervals. The settings are fully end-user controlled from remote via satellite link and thus independent from crew interventions on board.

Certifications and Approvals

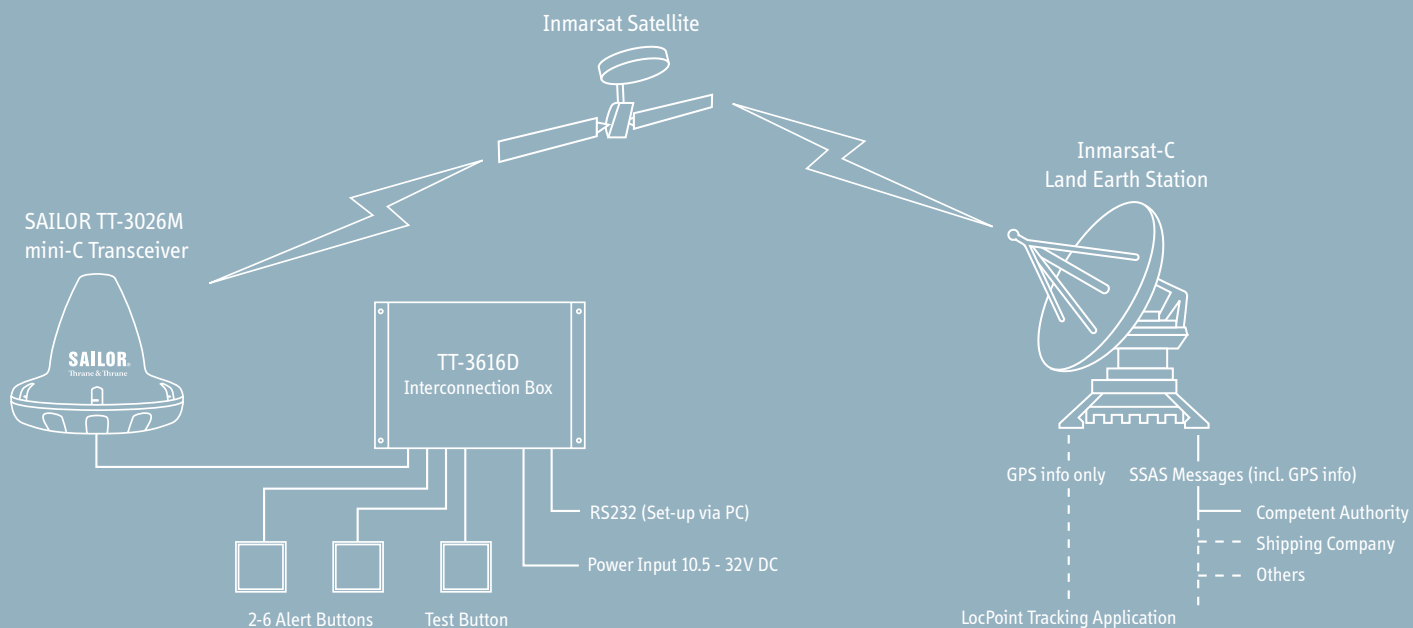
The SAILOR TT-3000SSA system is approved by Inmarsat and all major classification societies including:

- Det Norske Veritas (DNV)
- Lloyds Register
- Bureau Veritas (BV)
- Germanischer Lloyd (GL)
- American Bureau of Shipping (ABS)
- US Coast Guard
- Chinese Classification Society (CCS)
- Russian DMT and RMRS

In addition, the SAILOR TT-3000SSA has acceptance statements from relevant flag states throughout the World.

World-class Service

The Thrane & Thrane On Board Service Center network stretches around the globe. Carefully selected and trained distributors, dealers and service centers are available for instant support and service in harbors all over the world.



GENERAL

General specifications	Meets Inmarsat maritime specifications and SOLAS Resolution XI-2/6 requirements
Inmarsat Type Approval	4TT091

INMARSAT mini-C TRANSCEIVER

Antenna specifications	Inmarsat-C/GPS omni-directional antenna RHC polarised G/T: -23.7dB/K at 5° elevation EIRP: 7dBW at 5° elevation Elevation angle: -15° to 90°
Operating frequencies	Rx: 1525.0 – 1559.0MHz* Tx: 1626.5 – 1660.5MHz* GPS: 1575.42MHz * Inmarsat frequencies: Rx: 1525.0 – 1545.0MHz Tx: 1626.5 – 1646.5MHz
GPS module	12-Channels. 1 sec update rate 15m RMS accuracy
Solar radiation	Maximum flux density: 1200W/m2
Precipitation	Up to 100 mm/hour, droplet size 0.5 to 4.5mm at wind speed up to 200km/h (124mph)
Ice	Up to 25 mm
IP rating	Lloyds approved for IP66 Tested for IP68 by Thrane & Thrane
Temperature range	Operating: -35°C to 55°C Storage: -40°C to 80°C
Fuse	Self recovering poly fuse

POWER SPECIFICATIONS

Power source, floating DC Nominal: 12V – 24V (at max. 20m cable)	Operating: 10.5V – 32V
Power consumption	Rx: 1.8W (stand by) Tx: 23W (at 12V DC supply)

CABLE OPTIONS

TT-3026M mini-C Transceiver to TT-3616D Interconnection Box cable	From 20m (standard package) to 50m
TT-3616D Interconnection Box to SSAS / Test alert buttons	50m (standard package) to 150m (max)

SATELLITE COVERAGE SPECIFICATIONS

General	Compatible with the new Inmarsat I4 satellite generation. Automatic ocean shift for global coverage. 24 hour scanning for strongest signal; scanning on signal loss
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SHIP SECURITY ALERT SPECIFICATIONS

Number of SSAS alert and test buttons	2 x SSAS buttons and 1 x test button (standard package) Up to 6 alert buttons possible
Message recipients	Multiple addressing of SSAS and test messages to the following destinations: e-mail, fax (via PSTN), SMS (via Special Access Code), TELEX, PSDN, as well as other Inmarsat-C or mini-C transceivers
SSAS message retransmission	Every 30 minutes until reset

DIMENSIONS AND WEIGHT

TT-3026M mini-C Transceiver	Widest diameter: 163mm (6.4") Height: 146mm (5.7") Weight: 1.1kg (2.4lbs)
TT-3616D Interconnection Box	Width: 197mm (7.8") Depth: 104mm (4.1") Height: 45mm (1.8") Weight: 0.7kg (1.5lbs)

Specifications subject to change without prior notice.

