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 fulfills 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 – 1551.0MHz*
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 IP65 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)

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

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
Width: 197mm (7.8")
Depth: 104mm (4.1")
Height: 45mm (1.8")
Weight: 0.7kg (1.5lbs)

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.