

ThunderBird SSAS

406 MHz Ship Security Alert System with GPS Interface

Product No.: 2800
Model No.: RLB-33S

The ThunderBird transmits a 406 MHz distress signal with your registered, digitally-coded security alert to the COSPAS-SARSAT satellite system, covertly alerting rescue and police authorities that your vessel's security has been compromised.

GPS Interface (NMEA 0183) downloads LAT/LON from the vessel's onboard GPS every 20 minutes as allowed; upon activation, GPS positional data to within 100 meters (110 yds), accompanies the 406 MHz signal reducing the time it takes the proper authorities to locate your position.

Patented proprietary electronics package provides greater frequency stability for most accurate position through the LEOSAR satellites.

Cross dipole right hand circular polarized antenna provides optimal signal strength.

In-line waterproof connectors protect the integrity of the beacon from electrical failures due to moisture.

Easily concealed in any below deck location. No visible indications of activation in the bridge to prevent detection.

Easy installation.

Self contained, single, long-life battery powers the beacon; requires no onboard hook up, making installation easy, and location selection convenient.



No service plan required!
No monthly charges!
Easiest to install!



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COBHAM
Avionics & Surveillance

Worldwide Approvals



Acceptance



The ThunderBird SSAS must be programmed with the ship's MMSI number prior to installation

ACR Electronics, Inc. is registered by UL to ISO 9001: 2000

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Did you know...

SOLAS Chapter XI-2 regulation 6.

That the final deadline for SSAS installation onboard cargo vessels over 500 gross tonnes and mobile offshore drilling units constructed before July 1, 2004 is due by the first survey of radio installation after July 1, 2006.

All other classes of vessels over 500 gross tonnes should already have SSAS equipment installed as their deadline was by the first survey of radio installation after July 1, 2004.

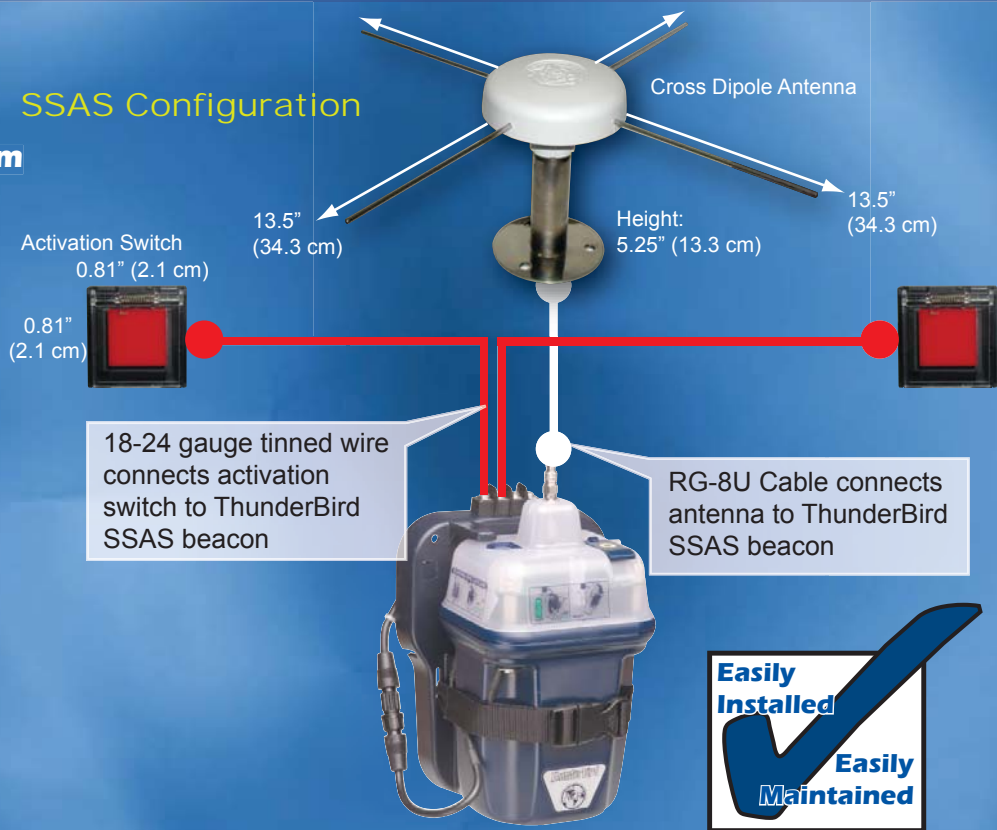
All new builds since July 1, 2004 are required to install and monitor SSAS.

ACR's ThunderBird SSAS meets the performance standard for Ship Security Alert Systems according to SOLAS chapter XI-2 regulation 6.

SSAS Regulations

- The ship security alert system is for the purpose of transmitting a security alert to the shore to indicate to a competent authority that the security of the ship is under threat or has been compromised.
- It includes a minimum of two activation points, one of which is on the navigation bridge.
- These initiate the transmission of a ship security alert.
- The system is intended to allow a covert activation to be made which alerts the competent authority ashore and does not raise an alarm onboard ship nor alert other ships.

SSAS Configuration



Standard Package Includes:

ThunderBird SSAS Beacon	(Qty: 1)
Cross Dipole Antenna with Deck Mount	(Qty: 1)
GPS Interface Cable	(Qty: 1)
Activation Switch	(Qty: 2)
TNC Connector (RG-8U Male Crimp)	(Qty: 1)
SMA Connector (RG-8U Male Crimp)	(Qty: 1)

Technical Specifications

Beacon Size:	7.0 x 4.25 x 3.62 in (17.8 x 10.8 x 9.2 cm)
Weight:	1.9 lbs (861 g)
Case Material:	High impact polycarbonate blend
Bracket Material:	Polyethylene
Color:	Navy Blue
Activation:	Two discrete flip top switches - Press to activate
Radiated Power:	5 Watts +/- 2 dB.
Frequency:	406 MHz
Modulation:	Phase + 1.1 rad.
Battery Type:	Lithium 5-year replacement life (10-year storage life) Class 1 battery for colder temperature operation minimum 48 hours @ -25°C (-13°F), can last up to 72 hours in more temperate conditions
Operating Life:	Minimum 48 hours @ -25°C (-13°F)
Certification:	Approved: FCC, CCS, COSPAS-SARSAT, meets the requirements of SOLAS chapter XI-2, Reg. 6 Acceptance: USCG, R&TTE
Limited Warranty:	5 years
Accessories:	Battery Replacement Kit (P/N 1096) Additional Activation Switch (P/N 2820) Antenna Cable - RG-8U (P/N 2812 Specify Length) Activation Switch Cable - 22 Gauge (P/N 2813 Specify Length) SMA Connector - RG-8U Male Crimp (P/N 2814) TNC Connector - RG-8U Male Crimp (P/N 2633)