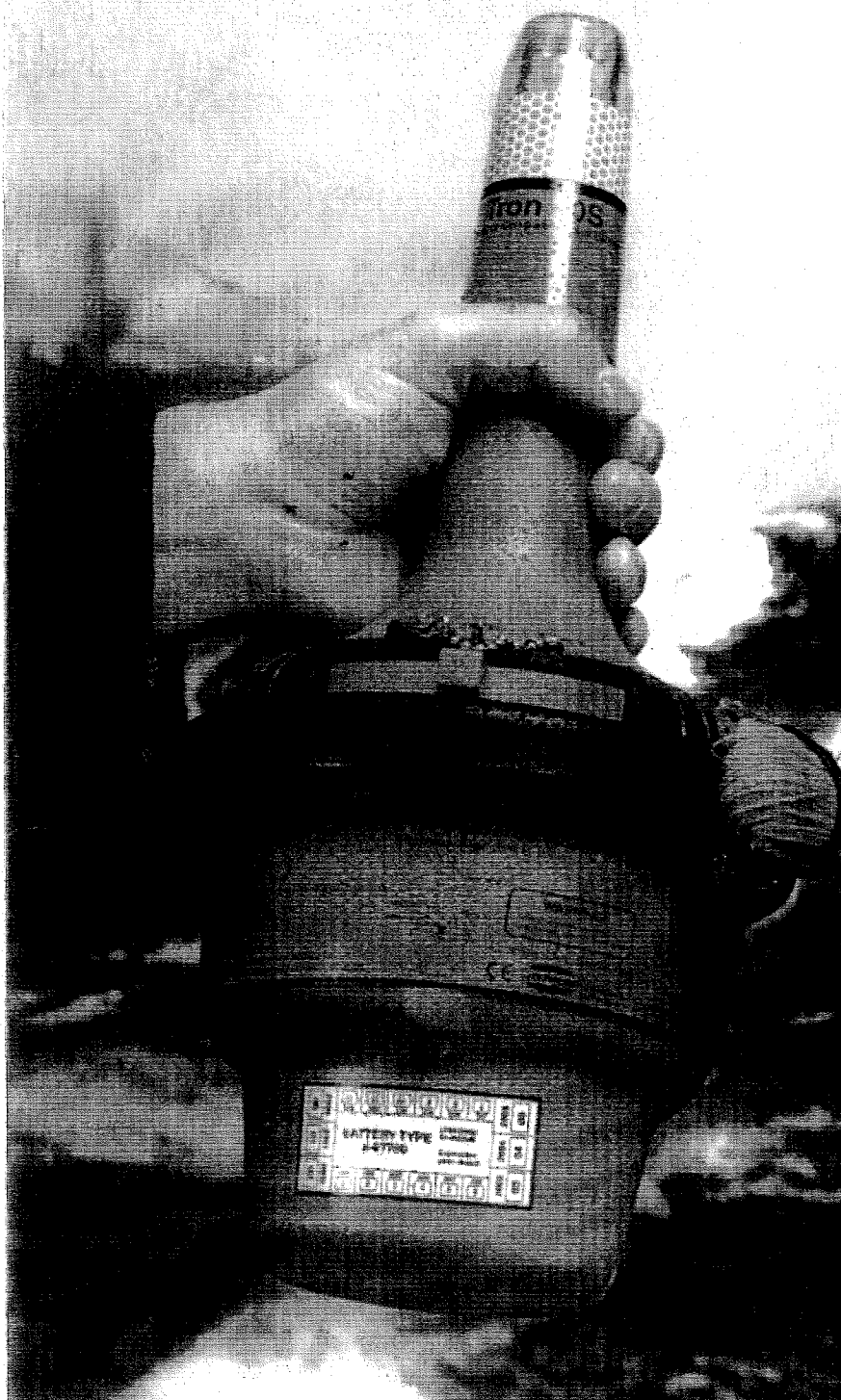


JOTRON

ISO 9001

Tron 40S

GMDSS
*float free satellite
emergency
positioning beacon,
EPIRB*

- 
- NEW COMPACT DESIGN
 - EASY AND FLEXIBLE MOUNTING
 - STRONG 10 KM VISIBLE XENON STROBE LIGHT
 - FULL FUNCTION TESTING WHIST IN BRACKET
 - STANDARD H2O HAMMAR RELEASE MECHANISM
 - DESIGNED FOR FAST AND EASY SERVICE
 - EASY REMOTE PROGRAMMING OF VESSEL IDENTITY
 - PREPARED FOR GPS
 - SERVICE STATIONS WORLD WIDE

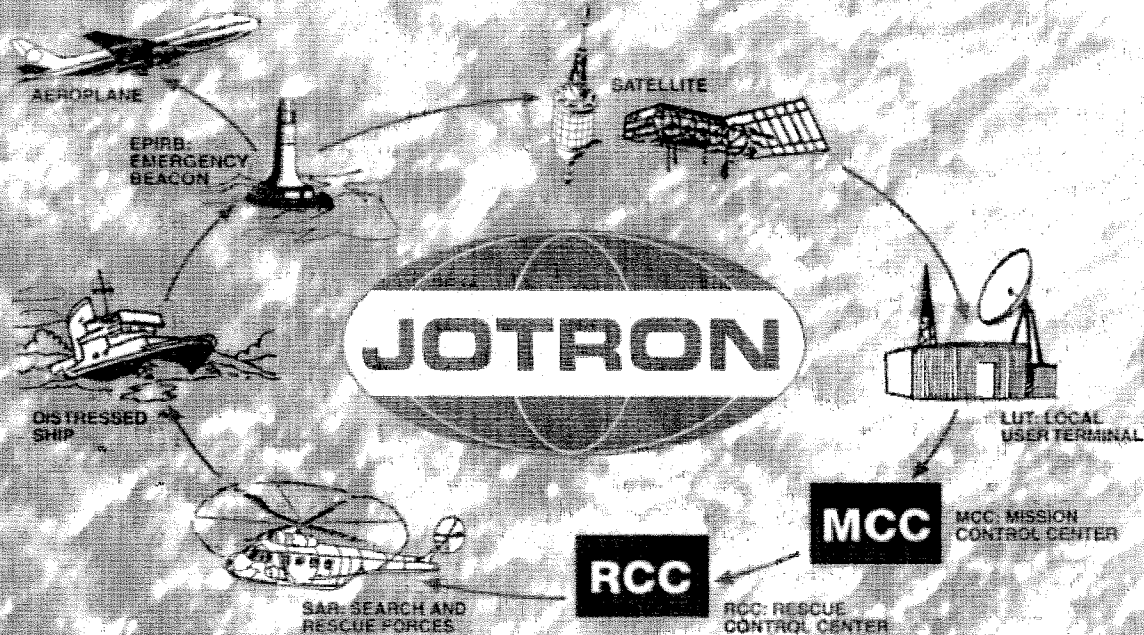
YOUR SAFETY - OUR CONCERN

SARSAT/COSPAS



The SARSAT/COSPAS system was introduced in 1982 as a world wide search and rescue system with the help of satellites covering the earth's surface. Since the introduction of the system more than 5500 (June 1995) people have been rescued by the SARSAT/COSPAS system. Each emergency beacon in the system is programmed with it's own unique

code, therefore it is vital that the ships data given to the dealer you obtained your Tron 40S from is correct. It's also important that your beacon is registered on the database for each country. This database is normally in the same country as the ship is registered.



HOW THE Tron 40S SAVES LIVES

The Tron 40S will be activated and immediately start to transmit vessel identity and positioning signals to the SARSAT/COSPAS satellites.

As the vessel sinks, then the EPIRB will be automatically released from the bracket which is fixed in water. The EPIRB will then start to transmit its own signals to the satellites. Due to the activation of the EPIRB, the JOTRON 40S will also start to transmit its signals.

The JOTRON 40S will also transmit its signals to the satellites. The JOTRON 40S will also transmit its signals to the satellites. The JOTRON 40S will also transmit its signals to the satellites.

The signal is forwarded to a ground receiving station (GUT) where the position will be calculated and forwarded to a Mission Control Centre (MCC). The necessary information will be sent to the Rescue Control Centre (RCC) which will then start the rescue operation. The JOTRON 40S will also transmit its signals to the satellites. The JOTRON 40S will also transmit its signals to the satellites.

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Since the inception of the SARSAT/COSPAS system and more distress incidents, JOTRON has played a leading role in proving the system viability and since the introduction of mandatory distress equipment, has ensured a volume supply of product lines which is meeting distress and rescue equipment requirements.

The JOTRON 40S will also transmit its signals to the satellites. The JOTRON 40S will also transmit its signals to the satellites.

TO TEST

The Iron 40S is very easy. Just press the switch to the test position while the EPIRB is still in the bracket and follow the test procedure.

Programming is also easy due to a new infrared programming system. All decoding and programming can be done without opening the unit. Just by holding the programmer/decoder towards the programming points externally.

The Iron 40S is designed to follow the well known JOTRON safety maintenance and service program. Every 4th year the battery should be exchanged and every 8th year the whole unit together with the bracket should be serviced or exchanged. Due to the availability of more than 65 service stations world wide (sept.-96) you will have your JOTRON safety equipment in the best shape and ready to use all the time.

**YOUR SAFETY
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The Iron 40S is designed to be installed in the FB-4/FBH-4 bracket, which is a float free automatic release bracket. Or a manual MB-4 bracket may be used.

The FB-4/FBH-4 is equipped with a H-20 Hammar hydrostatic release mechanism, which is a well known and reliable product, available and approved world wide.

The FB-4/FBH-4 allows you also to release the EPIRB manually by pulling out the locking pin.

The brackets are equipped with safety switches to avoid false alarm as long as the Iron 40S remains in the bracket.

H-20 Hammar hydrostatic release mechanism to be used with modified Jotron bolt.

The Iron 40S will automatically be pushed out from the bracket due to the built in rammer coil-pot spring. This is installed to ensure that the EPIRB will leave the bracket after the H-20 has been activated.

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JOTRON

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JOTRON with its 30 years of experience is a leader in the latest technology of reliable maritime life-saving equipment based on experience and quality. JOTRON has an unique network of trained agents worldwide for service and support. It is important to see that JOTRON gives priority to product development in order to offer reliable products

at any time. JOTRON participates for safety at sea to prevent accidents and to save lives.

The Tron 40S design is especially based on the GMDSS regulations together with JOTRON'S long experience to make it possible to meet the hard maritime environment on the seven seas.

Tron 40S SPECIFICATION

GENERAL

Dimensions:	Height: 38 cm Max diameter: 18 cm
Weight:	App. 2.2 kg
Material housing:	Polycarbonate with 10% glass fibre
Dim. (MB-4/FB-4/FBH-4):	Height: 42 cm Wide: 21 cm Dent: 30 cm (with beacon)
Weight (MB-4/FB-4/FBH-4):	App. 1.6 kg
Material housing (MB-4/FB-4/FBH-4):	Polycarbonate with 10% glassfibre
Antenna:	Built in, vertical polarisation, omnidirectional
Visual indication:	Built in Xenon flash and Test LED
Operating temperature:	-20°C to +55°C, Class 2 -40°C to +55°C, Class 1, optional
Battery:	JOTRON type number X-97780 Lithium, 4 years service life
Operating life:	More than 45 hours at -20°C
Standards:	Approved according to: ETSI 300 003 MPT 1259 IMO A 652 IMO 8885 (17) MSB A 810 (19) GTS E001

406 MHz TRANSMITTER

Frequency:	406.025 MHz $\pm$ 20ppm
Output power:	5W $\pm$ 2dB
Digital message:	All protocols available
Modulation:	Phase modulation $\pm$ 1 $\pm$ 0.1 rad
Data encoding:	Bi phase L
Stability:	Short term: $\pm$ 10 ⁻⁶ Medium term: $\pm$ 10 ⁻⁶ Residual freq. $\pm$ 3x10 ⁻⁶
Bit rate:	400 baud

HOMING TRANSMITTER

Frequency:	121.500 MHz $\pm$ 20ppm
Output power:	1.25 watt
Modulation:	FSK ASK, sweep to 10 Hz, max. 1000 Hz, 10 min. 100 Hz
Smear range:	700 Hz
Sweep rate:	0.5 Hz

AUTOMATIC RELEASE MECHANISM

H-20 HAMMAR With Jotron tracking unit

OPTIONS:

- GPS implementation
- Brackets: Manual or float free with or without heating
- Class 1 specifications
- For duplicate EPIRB - See Tron 45SA

DISTRIBUTOR:

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