

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

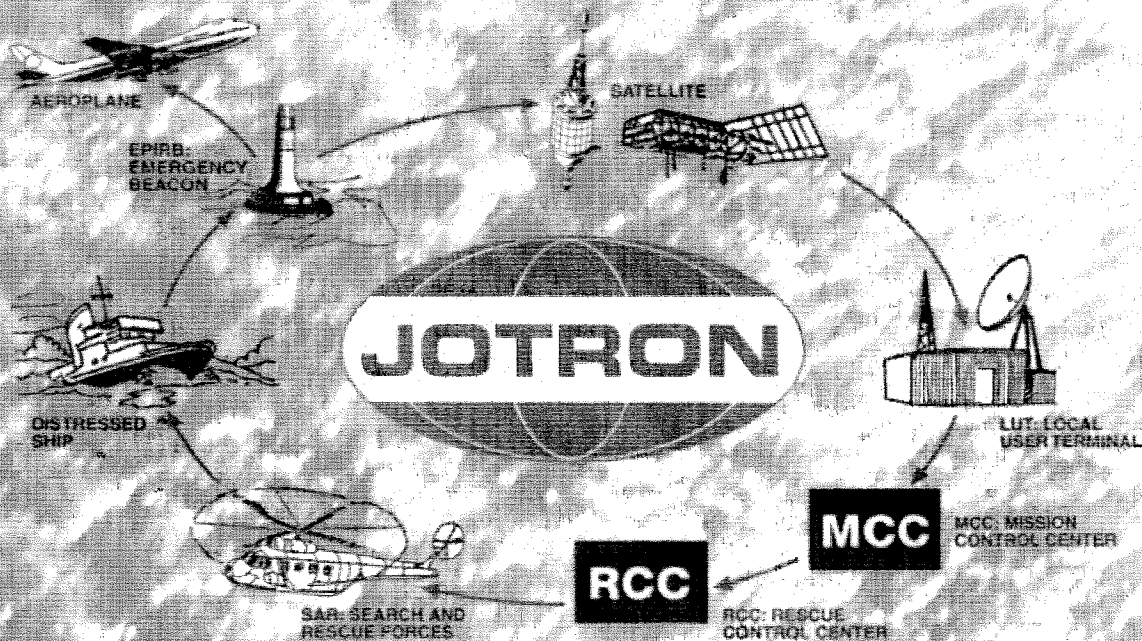
YOUR SAFETY - OUR CONCERN

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 your identity and positioning signals to the SARSAT/COSPAS satellites.

As the waves strike, then the EPIRB will be automatically activated.

The satellite receives the signal and immediately forwards the signal to a ground receiving station (LUT) where the location will be calculated and forwarded to a Mission Control Center (MCC). The necessary information is then forwarded to the Coast Guard (GRC) which will then initiate a search and rescue.

The MCC will then contact the RCC (Rescue Control Center) where the necessary information is then forwarded to the SAR (Search and Rescue) forces.

The SAR forces will then search for the distressed ship and rescue the crew and passengers.

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Since the inception of the SARSAT/COSPAS system, the Tron 40S has played a leading role in saving the system and the lives of many people. The Tron 40S is a leading role in saving the system and the lives of many people.

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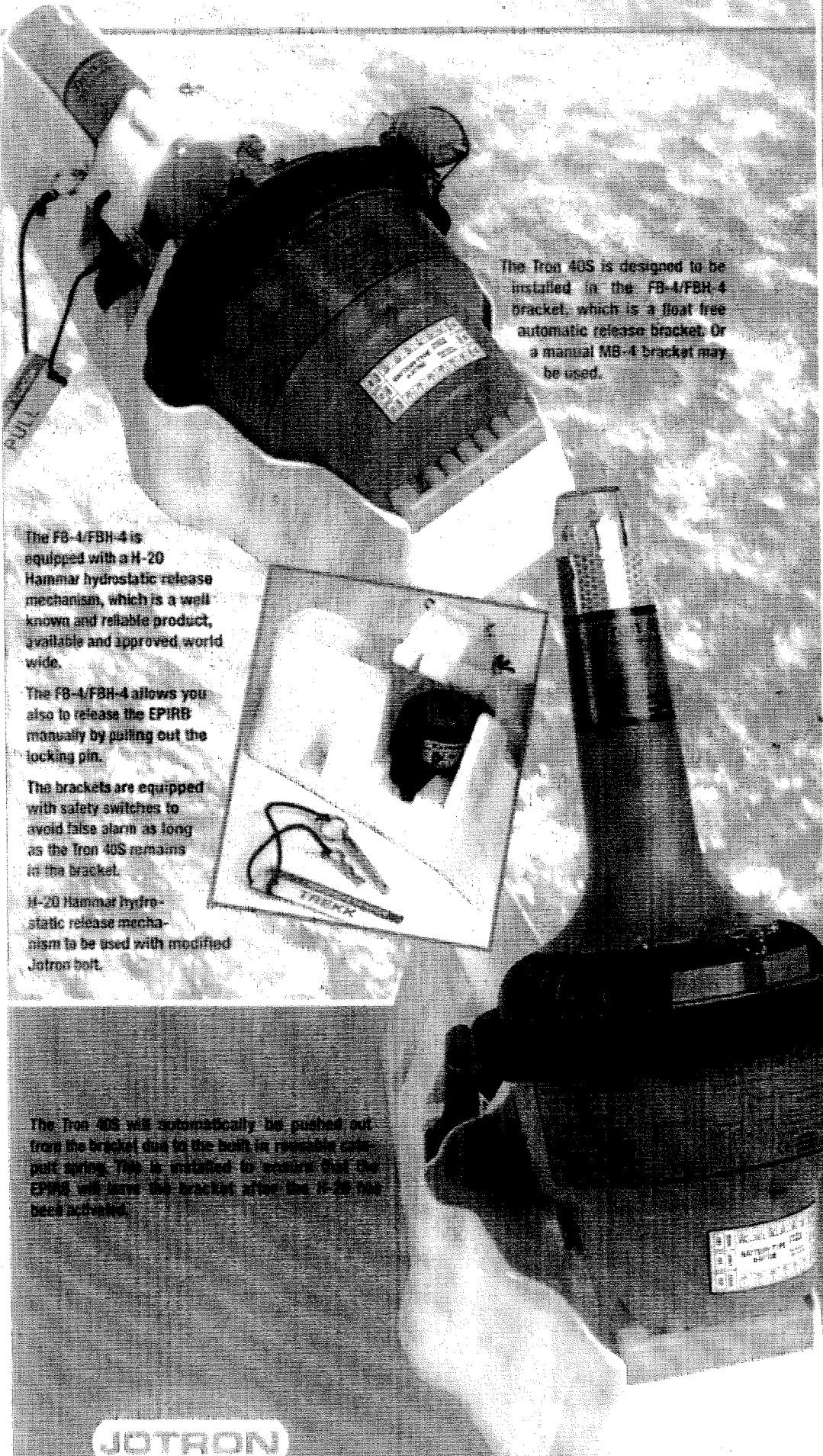
TO TEST

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.

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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 bolt in rammer coil spring. This is installed to ensure that the EPIRB will leave the bracket after the H-20 has been activated.

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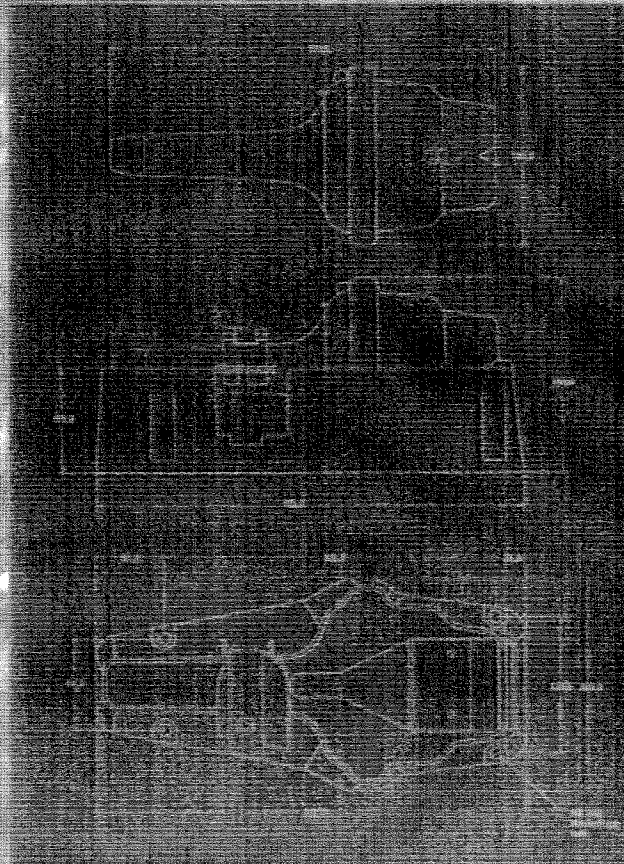
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JOTRON with its 30 years of experience is a leader in the latest technology of reliable maritime life-saving equipment based on experience and quality. JOTRON has an unique network of trained agents worldwide for service and support. It is important 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 Depth: 20 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-97280 Lithium, 4 years service life
Operating life:	More than 45 hours at -20°C
Standards:	Approved according to: ETSI 300 003 MPT 1209 IMO A-62 IMO 4085 (17) MSB A 810 (19) GTS E.001

OPTIONS:

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

DISTRIBUTOR:

406 MHz TRANSMITTER

Frequency:	406.025 Mhz ± 20ppm
Output power:	5W ± 2dB
Digital message:	All protocols available
Modulation:	Phase modulation, 1 = 0.1 rad
Data encoding:	Bi phase L
Stability:	Short term: < 10 ⁻⁹ Medium term: < 10 ⁻⁸ Residual error: < 0.10 ⁻⁴
Bit rate:	400 baud

HOMING TRANSMITTER

Frequency:	1.21.500 MHz ± 0.005%
Output power:	1.25 watt
Modulation:	FSK, sweep to 100 Hz (max 100 Hz), 100 Hz
Emergency:	120 Hz
Search rate:	2.5 Hz

AUTOMATIC RELEASE MECHANISM

H-20 HASMAR with automatic release part

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