HAMMAR ERRS PRODUCT NEWS

The Hammar Electronic Remote Release System (ERRS) has grown and a new standalone system has been developed with single or double activation. Local Release System

The ERRS Local Release System can solve a lot of dangerous situations in case of emergency onboard a vessel:

- Manual remote activation of liferaft and/or EPIRB in case of quick abandonment of the vessel
- Automatic activation of liferaft and/or EPIRB by a list angel detection system in case of the vessel capsizing
- Automatic activation of liferaft and/or EPIRB by hydrostatic pressure switch

The new product has a number of strong features:

- Various methods of activation
- Integrated battery backup
- System status test
- Alarm output
- Built for tough marine environment with IP66
SYSTEM COMPONENTS

ERRS LAD - List Angel Detection
Electronic release system with two activating outputs for HAMMAR H20 ERU’s (Electric release unit) and integrated battery backup. In addition to the integrated release pushbutton the system has an integrated inclination sensor and is designed to release the ERU’s for liferafts/EPIMRS in case of the vessel capsizing. The preset activation angel for SB or PS list is 90°. The inclination sensor has no movable mechanical parts and will not be affected by vibrations. If an external activation switch is used in parallel with the integrated pushbutton the system status test can be used for checking the cabling to the external switch. The number two output is activated automatically 2 seconds after output number one has been activated. Customized configuration of the control unit is possible at special request.

Power supply: Ship’s emergency power supply 24VDC (14 – 34 VDC) max current 1 A

Backup power: Built in Lithium battery pack with 5 years lifetime. The system can run on battery for 48 hours if the ship’s emergency power supply is interrupted.

Part no: HM-0461

ERRS LRS – Local Release System - without list angel detection
Electronic release system with two activating outputs for HAMMAR H20 ERU’s (Electric release unit) and integrated battery backup. The system can be used for remote release of liferafts/EPIMRS. If an external activation switch is used in parallel with the integrated pushbutton the system status test can be used for checking the cabling to the external switch. The number two output is activated automatically 2 seconds after output number one has been activated. Customized configuration of the control unit is possible at special request.

Power supply: Ship’s emergency power supply 24VDC (14 – 34 VDC) max current 1 A or battery operated from the built in Lithium battery.

Battery: Built in Lithium battery pack with 5 years lifetime. The system can run on battery for 5 years.

Part no: HM-0462

TECHNICAL SPECIFICATION FOR BOTH MODELS

System status test: A system status test is performed once every hour. The test covers the following items, emergency power supply 24VDC, backup battery, H20 ERU with cables and cables for remote activation switch.

Alarm output: Normally closed isolated alarm output. The output can be connected to the ship’s alarm system. Max 24VDC 0,15A. NB! The alarm output can only be used if the system is powered by the vessels 24VDC emergency power supply.
Enclosure environmental sealing: IP66

**Control box dimensions:** 184 x 124 x 100 (W x H x D)

**Temperature range:** -30°C to +70°C

**User interface:** Gives feedback from the system status check and feedback at activation by a three colored LED on the front of the control box.

**Cables:** Screened wires with a minimum wire area of 0.75 mm² shall be used. Maximum cable length 150 meters.

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**OTHER SYSTEM COMPONENTS:**

**H20 ERU** – electric remote unit. An electric signal from the Control box activates the H20 ERU, which results in a liferaft and/or EPIRB being released. The H20 ERU has a 2 year service life onboard. Several models are available, please consult our product catalogue.

**ERU connector box,** plastic. The ERU connector box is placed close to the liferafts. It connects the permanently installed cable from the ERRS Control box to the flexible cable of the disposable H20 ERU.

Part no. HM-0430

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**OPTIONAL COMPONENTS:**

**HPS** Hydrostatic Pressure Switch, a pressure switch that activates at a specific water depth. The HPS switch is available for several different water depths. The minimum available release depth for the HPS switch is 1.2 meter.

Part no: HM-0470