

Hammar ERRS Control Box LAD



HM-0461

The Hammar LAD - List Angle Detection system is especially suited for vessels with increased risk of capsizing due to working conditions such as fishing vessels and workboats.

With current float-free release systems on the market, safety equipment is released first when it reaches a depth of 1,5 to 4 metres. When a ship or a vessel capsizes without sinking, there is, therefore, a risk that liferafts and EPIRBs are trapped under the vessel, or never released at all if not submerged to a sufficient water depth.

The List Angle Detection (LAD) can automatically release liferafts and EPIRBs at a specified degree of the list when a vessel capsizes. The released safety units reach the surface before the ship flips around, significantly reducing the risk of it being trapped or entangled in deck constructions.

IN-AND OUTPUTS

ERRS LAD can be controlled from several remote release positions or automatically by an HPS (Hydrostatic Pressure Switch) or a water sensor. Output number two is activated automatically 2 seconds after output number one has been activated as a standard configuration. For activation of relay outputs, the unit has to be configured for this function and an ERRS Addon modul (HM-0464) is needed.

SYSTEM CHECK

ERRS LAD automatically performs a system check once every hour. The system check monitors battery, emergency power voltage, ERU circuits and the wiring to an external activation switch. The battery condition is checked every 24 hours. If the system check detects a deviation an alarm message will appear on the LED indicator and the alarm output is activated. It is possible to initiate a manual system check which is useful for raft service.

POWER SUPPLY

ERRS is powered by the ship's emergency power supply. Each control panel is also equipped with a backup battery to ensure operation in all emergency conditions.

TECHNICAL SPECIFICATION LAD

- **Product Specification: List Angle Detection system**
- **Backup Battery: Up to 12 hours, Li-battery**
- **Dimensions: 124 x 184 x 100mm**
- **Inputs: 1**
- **Outputs: 2**
- **Transport: Dangerous Goods - extra cost for transportation will be added**
- **Weight: 2.05kg**
- **External power supply: Emergency power 24V**
- **Temperature range: -30 to +65oC**
- **Alarm Output: Yes**
- **System check: Once every hour**
- **Activation angle: ~90 degree angle**
- **Enclosure protection: IP66**
- **Cables: Screened wires with a minimum wire area of 0.75 mm²
Maximum cable length 150 meters.**

CONTROL BOX MAINTENANCE

The control box requires a minimum of maintenance: replacing the backup battery every 5 years or when it has been in use or if a

low battery voltage alarm is shown.