



YOUR ONBOARD SAFE CHOICE

WORLD LEADER IN
MARINE FIRE SUPPRESSION TECHNOLOGY

EXTINGUISHER RELEASE SYSTEM

Low voltage, microprocessor controlled Extinguisher Release System designed to integrate with Sea-Fire 'H' Series engineered systems.

The two stage system provides for a controlled electrical release of the extinguishing gas to the protected space.

The unit incorporates pre-discharge alarms, 30 second time delay, discharge abort facility and fault monitoring.



Features

- 24 VDC Modular Extinguisher Release Panel
- 2 Stage Electrical Release with Time Delay
- Comprehensive Fault Monitoring
- Marine Type approved RINA Cert No. ELE097410XG

Part Number

131-549 - Extinguisher Release System

Specifications

RoHS Compliant
CE Compliant
Operating Voltage – 24v D.C - Main and Standby
Enclosure Material – Polycarbonate. Meets IEC IP66
Switches – Sealed, meets IEC IP67
Enclosure Dimensions – 255 x 180 x 75 (mm)
Connection – Deutsch 12 way sealed connector



RINA

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REGISTRATION NUMBER 185575



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SYSTEM OPERATION

Standby Monitoring Mode

During standby mode, the ERP monitors the two switch circuits for faults and inputs, and the extinguisher release circuit for faults.

System Fault Monitoring

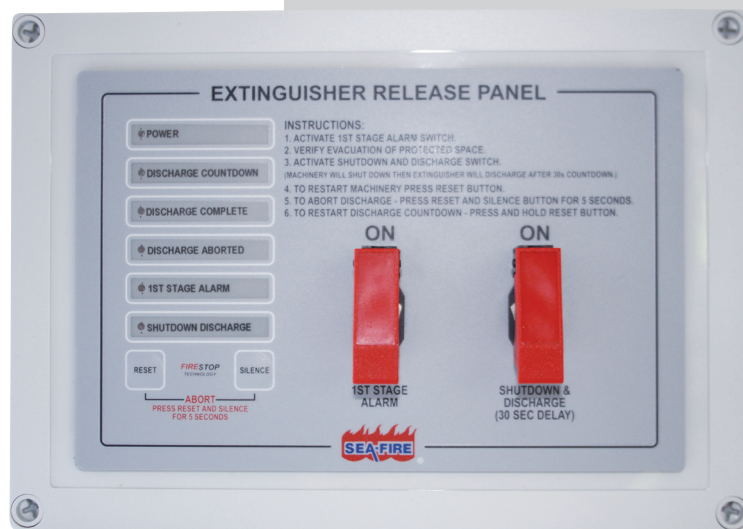
The ERP gives an audible and visual indication for short and open circuit on the following lines:

- Power supply
- Extinguishing release circuit
- 1st and 2nd stage switch circuits

Extinguisher Release Circuit

To initiate extinguisher release the following procedure should be used:

1. Release cover of first switch and push the toggle switch to the on position.
2. The 1st stage alarm will sound and the 1st stage alarm LED will light.
3. Release cover of second switch and push the toggle switch to the on position.
4. The 2nd stage alarm will sound and the 2nd stage alarm LED will light.
5. The ERP will start a 30 second timed countdown.
6. During the countdown the discharge sequence can be aborted by pressing the Reset and the Silence button together for 5 seconds.
7. To restart the discharge sequence from the beginning press the Reset button.
8. To permanently abort the discharge sequence, the security covers on the two toggle switches should be snapped shut and the Reset and Silence button should be pressed together for 5 seconds.
9. At the end of the 30 second countdown the Control unit will send a 2 amp electrical signal to fire the extinguisher solenoid.



PINOUT DATA

+ 24 VDC	- PIN 1
+ 24 VDC RETURN	- PIN 2
+ 24 VDC BCKUP	- PIN 3
+ 24 VDC BCKUP RTN	- PIN 4
CYL SOLENOID +	- PIN 5
CYL SOLENOID -	- PIN 6
ALARM +	- PIN 7
ALARM -	- PIN 8
BEACON +	- PIN 9
BEACON -	- PIN 10
HATCH SOLENOID +	- PIN 11
HATCH SOLENOID -	- PIN 12

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