



CERTIFICATE NUMBER 20-SQ1970309-PDA  
EFFECTIVE DATE 26-Mar-2020  
EXPIRATION DATE 25-Mar-2025  
ABS TECHNICAL OFFICE CN Shanghai ESD

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## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**ERL COMMERCIAL MARINE, INC.**

located at

**2560 CHARLESTOWN RD, NEW ALBANY IN  
United States, 47150**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product Level Gauging and Overfill Alarm**

**Model "Level Alert" - High Level/Overfill Level Alarm Sensors**

This Product Design Assessment (PDA) Certificate remains valid until 25-Mar-2020 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

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Bin-Hong Wang, Director

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

## ERL COMMERCIAL MARINE

2560 CHARLESTOWN RD

NEW ALBANY IN

United States 47150

Telephone: (812) 948-8484

Fax: (812) 944-8808

Email: rwaiz@erlinc.net

Web: www.erlmarine.com

**Tier: 2 - PDA Issued**

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**Product:** Level Gauging and Overfill Alarm

**Model:** "Level Alert" - High Level/Overfill Level Alarm Sensors.

**Intended Service:**

Level Indication for Tank Vessels.

**Description:**

Top mounted, rotary action floats actuating high level switch at 95% full and overfill switch at 98% full. Interfaces with loading facilities dock alarms/shutdown system and/or barge mounted annunciator panel.

**Rating:**

Intrinsically safety rated equipment.

**Service Restriction:**

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Installation of intrinsically safe systems is to be in accordance with Testing Laboratory Reports and Manufacturer's specification and to the satisfaction of the attending Surveyor. This is to include bulkhead and deck penetrations. See 4-8-4/27.7, 27.9 of the Marine Vessel Rules.
3. Sub-compartments containing intrinsically safe components, documentation are to be submitted with details for review for each application. See 4-8-3/13.1 and 4-8-4/27.5.1 of the Marine Vessel Rules of the intrinsically safety and hazardous area installation.
4. Intrinsic safe Barriers and Relays Series 9250 & 9251 are associated Intrinsically safe Apparatus Stahl UL E81680.

**Notes/Drawing/Documentation:**

Declaration of Conformity for Renewal, Revision: 0, Pages: 1

ABS Type application form 15-HS1320267-PDA, Revision: -, Pages: 1

088K140B, Level Alert II, Rev-

UL Listing L40 Switch

UL E122752, E81680.

**Terms of Validity:**

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**STANDARDS**

**ERL COMMERCIAL MARINE**

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**ABS Rules:**

2020 Rules for Conditions of Classification 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2020 Marine Vessels Rules 4-8-4/27.7, 27.9, 27.5.1; 4-8-3/13 and 5C-1-7/21.15.

**National:**

CSA 157 (2016)

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA