Certificate No: LR25312452TA
Issue Date: 15/09/2025
Expiry Date: 14/09/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Autronica Fire & Security AS**
Address	Bromstadvegen 59, Trondheim, 7047, Norway
Place of Production	Autronica Fire & Security AS Bromstadvegen 59, Trondheim, 7047, Norway
Type	Fire Detection Alarm Systems
Description	Ex barrier unit
Trade Name	BZ-500 (HW Version 12.6)
Application	Marine, offshore and industrial applications suitable for use in environmental categories ENV1, ENV 2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – March 2019.
Specified Standard	IEC 60092-504: 2016 EN 54-18: 2005 IACS E10 Rev.9/2023
Other Conditions	Ratings for application in hazardous areas are to be obtained from applicable Ex Certificates.

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Ashwinikumar Mhamal

Electrical & Control Technical Manager - Africa, Middle East & India to Lloyd's Register Marine and Offshore India LLP

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Type Approval Certificate

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR

If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2234336TA

The Design Appraisal Document TSO/25-044310-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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