Certificate No: LR25321004TA
Issue Date: 23/10/2025
Expiry Date: 22/10/2030

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 and Alarm System
Description	Heat detector which includes sensor element BD-200PT-S and interface box BD-200PT-I/84 Category CS BD-200PT-I/100 Category DS BD-200PT-I/120 Category ES BD-200PT-I/140 Category FS Al_Com communication with short circuit functionality. Sensor: BD-200PT-S Interface box: BD-200PT-I/84, BD-200PT-I/100, BD-200PT-I/120, BD-200PT-I/140 Final product sensor + interface box as kit: BD-200PT/84-KIT, BD-200PT/100-KIT, BD-200PT/120-KIT, BD-200PT/140-KIT Heat detector which includes sensor element BD-200PT-S-ENCLOSURE and interface box BD-200PT-I-RL/140 Category FS Relay communication(conventional)

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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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	Sensor with enclosure: BD-200PT-S-ENCLOSURE Interface box: BD-200PT-I-RL/140 Final product sensor with enclosure + interface box as kit: BD-200PT-RL/140-KIT
Trade Name	BD-200PT/84-KIT, BD-200PT/100-KIT, BD-200PT/120-KIT, BD-200PT/140-KIT, BD-200PT-RL/140-KIT
Application	Marine, Offshore and Industrial applications for use in environmental categories ENV1, ENV2 and ENV3, as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – December 2024.
Specified Standard	IEC60092-504:2016 EN 54-5:2017 + A1:2018 EN 54-17:2005 IACS UR E10 Rev9:2023
Ratings	FW version: 1.24.5
Additional Tests	IP66 acc. to IEC 60529:2013
Other Conditions	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.

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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.

The Design Appraisal Document TSO-25-044169-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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