

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issued by: HAMBURG TECHNICAL SUPPORT OFFICE

Issued to: AUTRONICA FIRE AND SECURITY AS

For: FIRE DETECTION SYSTEMS – SOUNDER & STROBE UT UNITS, TYPES: BBL-100, BBQ-130/-230, BBR-130/-230

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

unnumbered	Type Approval Application Checklist	09.04.2024
418088	Request for Marine Services – Type Approval	16.05.2024
HTS/ETS 39312-20 Issue 1	Design Appraisal Document of previous certificate 17/20057 (E1)	11.02.2020
LR2004282TA	Previous LR Type Approval Certificate for Sounder & Strobe Units BBL-100, BBQ-130/-230, BBR-130/-230	18.06.2020
PRJ11100445999-2	Production quality assessment (PQA) report of Autronica Fire & Security AS	03.06.2024
900776	Certificate ISO 9001:2015 of Autronica Fire & Security AS (Trondheim, Norway)	03.05.2022
10111320, Rev. 1	Technical assessment EN 54-3:2014 vs. EN 54-3:2014 +A1:2019	undated
MEDB000014H, Rev. 2	EC Type Examination Certificate (Module B) for BBQ-130/-230, BBR-130/-230	15.11.2023
1000278-2	Product data sheet of Sounder/VAD Outdoor Addressable BBQ-230/IP	19.05.2021
1000286-3	Product data sheet of Sounder Indoor Addressable BBR-230	19.05.2021
1000288-2	Product data sheet of Sounder Outdoor Addressable BBR-230/IP	19.05.2021
082/5.1/001, Rev. 1.4	Software change history AV Units BBL-100, BBQ-130, BBR-130, BBQ-130, BBQ-130 (SW version 1.6)	04.11.2014

TEST REPORTS

TE 243617	Technical Evaluation of BG-201 IR Flame Detector with isolator acc. to EN 54-3: 2001 and EN 54-17: 2005	15.10.2010
E18217.00	Test Report (EMC) acc. to IACS UR E10: 2014 / IEC 60092-504: 2016 (partial, EMC up to 6 GHz)	15.11.2018



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Reference: TSO/24-013805

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

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