

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 – IR FLAME DETECTOR; BG-201

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 39805-20/AHB	Design Appraisal Document of previous certificate no. LR2002996TA	20.04.2020
LR2002996TA	Previous LR Type Approval Certificate of IR Flame Detector BG-201	20.04.2020
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
MEDB00006DK, Rev. 1	EC—Type Examination Certificate (Module B) for IR Flame Detector BG-201	14.02.2020
1000332-4	Product data sheet of AutoFlame IR Flame Detector BG-201	18.03.2024
1005130, Rev. 1.9	Software change history BG-201, 7 pages	04.02.2022

TEST REPORTS

TE 27661	Technical Evaluation of BG-201 IR Flame Detector with isolator acc. to EN 54-10: 2002 and EN 54-17:2005	05.11.2012
TE 27661-SW-A1	Software Evaluation of BG-201 IR Flame Detector with isolator acc. to clause 4.9 of EN54-10 and clause 4.9 of EN 54-17	11.10.2012
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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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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