



Confirmation of Product Type Approval

Company Name: AUTRONICA FIRE AND SECURITY AS

Address: BROMSTADVEGEN 59P.O. BOX 5620 N-5620 Norway

Product: Alarm Sounding and Light Devices

Model(s): BBR-110, BBR-130, BBR-230, BBR-230/IP, BBQ-130, BBQ-230, BBQ-230/IP, BBL-100, BBL-100/IP;

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-2017716-PDA	07-SEP-2020	06-SEP-2025
Manufacturing Assessment (MA)	20-4414527	25-AUG-2020	02-OCT-2025
Product Quality Assurance (PQA)	NA	NA	NA

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Intended Service

For use on ABS classed Vessels and Offshore Facilities in accordance with the listed ABS Rules and International Standards.

Description

The units are Loop Powered fire alarm sounders / strobes and sounder beacons for both indoor and outdoor use. Each unit provides up to 16 tones of sounds with two sound levels at 103 dB and 90 dB. Line isolation is an integral part of the device with reflecting sound monitoring features. Nine specific variants of sounders and sounder / beacon - strobe with or without base complete the range. These sounders are intended for use with the AutoSafe and AutoPrime fire detection systems.

BBR-110 is Addressable Sounder with base for indoor use.

BBR-130 is Addressable Sounder with base for indoor use.

BBR-230 is Addressable Sounder for indoor use.

BBR-230/IP is Addressable Sounder for outdoor use.

BBQ-130 is Addressable Sounder / Strobe with base for indoor use.

BBQ-230 is Addressable Sounder for indoor use.

BBQ-230/IP - is Addressable Sounder for outdoor use.

BBL-100 is Addressable Beacon for indoor use.

BBL-100/IP is Addressable Beacon for outdoor use.

Ratings

Operating temperature: Indoor -10 to 55 degree C, Outdoor -25 to 70 degree C

Enclosure rating: Indoor IP22, Outdoor IP65

Service Restrictions

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

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No.0832-CPD-1039_BBL100, BRE Certificate, Revision: -, Pages: 02

Drawing No.0832-CPD-1040_BBL100IP, BRE Certificate, Revision: -, Pages: 02

Drawing No.116-P-BBQ230/CGB, Product datasheet BBQ-230, Revision: D, Pages: 02

Drawing No.116-P-BBQ230IP/CGB, Product datasheet BBQ-230/IP, Revision: E, Pages: 02

Drawing No.116-P-BBR230/CGB, Product Datasheet BBQ-230, Revision: C, Pages: 02

Drawing No.116-P-BBR230IP/CGB, Product datasheet BBR-230/IP, Revision: A, Pages: 02

Drawing No.MEDB000014H, MED B Interactive sounding devices, Revision: -, Pages: 04

Drawing No.E18217.00, Test Report Environmental and EMC, Nemko AS, Norway, Revision:00, Date: 15.11.2018, Page 38

Drawing No.TE243617, BRE Report, BRE Grobal Limited, UK, Revision: -, Date: 15.10.2010, Page 207

Drawing No.103747439LHD-021, Intertek Report, Intertek Testing and Certification, United Kingdom, Revision:01, Date: 02.09.2019, Page 32

Drawing No.900776, ISO_9001_2015_Nemko Certificate, Revision: -, Pages: 01

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 06/Sep/2025 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.

ABS Rules

- Marine Vessels Rules (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-8-3/1.11, 4-9-9/7, 4-9-9/13, 4-9-9 Table1, 4-9-9 Table 2;

- Facilities on Offshore Installations (2020): 1-1-4/9.7, 1-1-A2, 1-1-A3;

- Mobile Offshore Units (2020): 1-1-4/9.7, 1-1-A3, 1-1-A4, 6-1-1/9, 6-1-1/13; 4-3-1/11, 4-3-1/15;

- Steel Vessels for Service on Rivers and Intracoastal Waterways (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4;
- High Speed Crafts (2020): 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-7-9/7,4-7-9 Table 9, 4-7-9/7 Table 10;
- Steel Barge Rules (2020): 1-1-4/7.9, 1-1-A3, 1-1-A4;

International Standards

IACS UR E10, Rev.7, 2018

EN 54-17 (2005)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 02-Dec-2020 6:30

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.