



NIPPON KAIJI KYOKAI

CERTIFICATE

No. KC18ES40

THIS IS TO CERTIFY that NIPPON KAIJI KYOKAI did, at the request of Messrs. Autronica Fire and Security AS review the relevant documents submitted by the applicant for the following products and found that the products are compliance with the applicable provisions of the Rules of EN54-3, EN54-17 and IEC60945. The Society accepts to apply those products to the vessels classed with the Society.

| | | |
|----------------------|-------------------------------------|---|
| Product name | : Beacon | BBL-100, BBL-100IP |
| | Sounder | BBR-130, BBR-230, BBR-230IP |
| | Sounder/Strobe | BBQ-130, BBQ-230, BBQ-230IP |
| Product descriptions | : See Annex. | |
| Applicant | : Autronica Fire and Security AS | NO-7483, Trondheim, Norway |
| Manufacturer | : Eaton Electrical Products Limited | Llantarnam Park, Cwmbran, South Wales, NP44 3AW, UK |
| Documentations | : See Annex. | |
| Specification | : See Annex. | |

This certificate remains valid until 13 November 2022, the system, the design or manufacture is changed or modified, or the instruction by the Society, whichever is the earliest.

This certificate is issued at Tokyo on 31 January 2018.

NIPPON KAIJI KYOKAI



 H. Kobayashi
 General Manager
 Material and Equipment Department

Initial approval date : 14 November 2012

This Report is issued subject to the condition that it is understood and agreed that neither the Society nor any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by this Society or its Surveyors or in any entry in the Record or other publication of the Society or for any error of judgment, default or negligence of its Officers, Surveyors or Agents.



Annex to the Certificate No. KC18ES40

Product descriptions / Specification

| Product name | Description | Specification |
|--------------|--|---|
| BBL-100 | Addressable indoor beacon with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBL 100/CGB, Rev. C, 2014-06-25 |
| BBL-100IP | Addressable outdoor beacon with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBL 100IP/CGB, Rev. C, 2014-06-25 |
| BBR-130 | Addressable indoor base sounder with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBR 130/CGB, Rev. B, 2011-02-21 |
| BBR-230 | Addressable indoor sounder with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBR 230/CGB, Rev. B, 2011-02-21 |
| BBR-230IP | Addressable outdoor sounder with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBR 230IP/CGB, Rev. B, 2011-02-21, Test Report No.ENV778 2007-02-05 |
| BBQ-130 | Addressable indoor base sounder and beacon with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBQ 130/CGB, Rev. C, 2014-06-25 |
| BBQ-230 | Addressable indoor sounder and beacon with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBQ 230/CGB, Rev. C, 2014-06-25 |
| BBQ-230IP | Addressable outdoor sounder and beacon with isolator for use in fire detection and alarm systems | Product Datasheet 116-P-BBQ 230IP/CGB, Rev. C, 2014-06-25, Test Report No.ENV778 2007-02-05 |

Test report

Test laboratory : BRE Global Ltd.
Bucknalls Lane, Garston, Watford, WD25 9XX

Report No. : TE243617

Issued date : 15 October 2010

Test laboratory : Det Norske Veritas Certification AS
Veritasveien 1, N-1322, Høvik, Norway

Report No. : 2010-3107

Issued date : 5 May 2010

–The certificate end–