



# Type Approval Certificate

[ Fire Alarm Controller ]

**Initial Approval** 12 December 2008  
**Manufacturer** Autronica Fire and Security AS  
 Bromstadvegen 59, N-7047 Trondheim, Norway

**Product Description** Type : Autroprime

- BS-200M : Main control panel
- BS-210 : Operator panel
- BS-211 : Repeater panel
- BU-210 : Fire brigade panel
- BV-210 : Information panel
- BUR-200 : Mimic driver
- BC-250 : Controller unit

“ See Appendix 1 ”

**Approval Condition** “ See Appendix 1 ”

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships and EN 54-2, EN 54-4.

This Certificate is valid until 11 December 2028

Issued at Busan, Korea on 31 October 2023



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23048022268) and certificate No.(CPH19730-FD005).



**KOREAN REGISTER**

*General Manager of  
 Marine & Ocean Equipment Team*

**Note :** 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 31 October 2023

### A. Product Description

#### 1. Product Specification (Type : Autoprime)

- 1) BS-200M : Autoprime Fire alarm control panel
  - Power supply : 115/230 VAC 50~60 Hz (Batteries : 2 x 12V = 24V)
  - Protection class : IP 32
  - Loop : 4
  - Capacity\_loop units : 127 per loop
- 2) BS-210 (Operator panel) : an integrated part of the Fire Alarm Control Panel
  - BS-211 (Repeater panel) : 18-30 VDC, RS-485 Panel Bus
  - BU-210 (Fire brigade panel) : 18-30 VDC, RS-485 Panel Bus
  - BV-210 (Information panel) : 18-30 VDC, RS-485 Panel Bus
  - BUR-200 (Mimic driver) : 24 VDC, RS-485 Panel Bus
  - BC-250 (Controller unit) : 115/230 VAC 50~60 Hz (Batteries : 2 x 12V = 24V)
- 3) Software version : Autoprime 2.1.7

#### 2. Approved Drawings and documents

- Datasheet No. 116-P-BS200M/CGB, Rev. I (2018-03-09)
- Datasheet No. 116-P-BS211/CGB, Rev. B (2017-03-17)
- Datasheet No. 116-P-BU210/CGB, Rev. C (2019-03-06)
- Datasheet No. 116-P-BV210/CGB, Rev. C (2019-03-06)
- Datasheet No. 116-P-BUR200/CGB, Rev. D (2018-03-13)
- Datasheet No. 116-P-BC-250/CGB (2014-05-23)

#### 3. Test Reports, etc.

- Nemko Test report No. 86445 issued 2008-02-25 (IEC 60950-1)
- Nemko Test report No. 86445\_3 issued 2008-02-22
- Nemko Test report No. 86445\_4 issued 2008-02-22
- Nemko Test report No. E07357.02 issued 2008-02-22 (IEC 60945)
- Nemko Test report No. E07357.03 issued 2011-10-12 (IEC 60945)
- Nemko Test report No. E07357.05 issued 2013-06-06
- Nemko Test report No. E06144.06 issued 2013-05-14
- Nemko Test report No. E18106.00 issued 2018-12-30 (EN 54-2)
- Nemko Test report No. E18299.00 issued 2019-01-31
- Autoprime 2.1.2 Release Notes, dated 2019-03-18

### B. Approval Condition

1. This approval is granted on the basis of the approved documentation and the test reports. (IACS UR E10 rev.7)
2. Degree of protection is to be complied with Rule Pt.6 Ch.1 Sec.2 201.2. (5).
3. Unless specifically directed by the Administration, this approval should not be interpreted as a replacement for approval from the flag Administration. This certificate may not be used for Korea flagged vessels.
4. When this system is installed in the vicinity of a standard or a steering magnetic compass, it should have the minimum safe distance 5 m or more at which it may be mounted from such compasses.
5. The manufacturer is to inform this Society of all kinds of revisions of the equipment including the major changes of software. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
6. In case where this system is installed on board, the system drawings for individual vessel are to be approved by this society.
7. Individual Product Certification is required.

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