



Type Approval Certificate

[Manual Call Points]

Initial Approval 6 May 2008

Manufacturer Autronica Fire and Security AS
 Bromstadvegen 59, N-7047 Trondheim, Norway

Product Description Type : BF-501, -501/EX, -501/N,
 BF-502, -502/EX, -502/N,
 BF-503, -503/EX, -503/N,
 BF-300V2, BF-510WP-H,
 BF-500V2/EX, BF-500V2/N

“ 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 54-11

This Certificate is valid until 5 March 2030

Issued at Busan, Korea on 7 April 2025



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(ME25014169887) and certificate No.(CPH19730-FD002).



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 : 7 April 2025

A. Product Description

1. Product Specification

1) Product Description

These call points have been designed for use with Autronica' s interactive fire detection systems, and comprises the SelfVerify function.

Type	Description
BF-501	Manual call point with SelfVerify
BF-501/EX	Manual call point with SelfVerify, Ex ia version for use in all zones
BF-501/N	Manual call point with SelfVerify, Ex ic version for use in zone 2 only
BF-502	Manual call point with SelfVerify
BF-502/EX	Manual call point with SelfVerify, Ex ia version for use in all zones
BF-502/N	Manual call point with SelfVerify, Ex ic version for use in zone 2 only
BF-503	Manual call point with SelfVerify
BF-503/EX	Manual call point with SelfVerify, Ex ia version for use in all zones
BF-503/N	Manual call point with SelfVerify, Ex ic version for use in zone 2 only
BF-300V2	Manual call point with SelfVerify
BF-510WP-H	Manual call point with SelfVerify, weatherproof
BF-500V2/EX	Manual call point with SelfVerify, Ex ia version for use in all zones
BF-500V2/N	Manual call point with SelfVerify, Ex ic version for use in zone 2 only

2. Approved Drawings and Documents

1) Documents

- MANUAL CALL POINT WITH SELFVERIFY - BF-501, Doc-1000320-2, 2021-06-23
- MANUAL CALL POINT WITH SELFVERIFY - BF-501/EX, Doc-1000115-3, 2021-06-24
- MANUAL CALL POINT WITH SELFVERIFY - BF-501/N, Doc-1000125-3, 2021-11-23
- MANUAL CALL POINT WITH SELFVERIFY - BF-502, Doc-1000324-2, 2021-06-23
- MANUAL CALL POINT WITH SELFVERIFY - BF-502/EX, Doc-1000116-2, 2021-06-23
- MANUAL CALL POINT WITH SELFVERIFY - BF-502/N, Doc-1000126-4, 2021-11-23
- MANUAL CALL POINT WITH SELFVERIFY - BF-503, Doc-1004238-1, 2010-09-02
- MANUAL CALL POINT WITH SELFVERIFY - BF-503/EX, Doc-1000117-2, 2021-06-14
- MANUAL CALL POINT WITH SELFVERIFY BF-503/N, Doc-1000127-2, 2021-22-23
- MANUAL CALL POINT W/SELFVERIFY - BF-300V2, Doc-1000318-2, 2016-10-24
- MANUAL CALL POINT W/SELFVERIFY, WEATHERPROOF - BF-510WP-H, Doc-1000330-4, 2022-03-30
- MANUAL CALL POINT W/SELFVERIFY - BF-500V2/EX, Doc-1000123-4, 2024-02-15
- MANUAL CALL POINT W/SELFVERIFY - BF-500V2/N, Doc-1003902-3, 2024-02-14

3. Test Reports, etc.

1) Test Reports

- DNV Test Report No. 99-1491 Rev.02 (2000.01.04), 2000-1178 Rev.02 (2000.03.13), 2009-3598 Rev.02 (2010.03.25), 315748 (2023.08.30)
- CNBOP Test report No. 1975/BA/04 (2006.06.06), BA/0678/400/2720/07 (2007.08.02)
- GNPP Test report No. DE080070 Rev.0 (2008.12.23), DE080071 Rev.0 (2008.12.23), DE080073 Rev.0 (2008.12.23)
- Nemko Test report No. E18217.00 Rev.00 (2018.11.15)

2) Ex-proof certificate No. Nemko 03ATEX217X, Nemko 03ATEX218X

B. Approval Condition

1. Application & Limitation

- 1) This approval is granted on the basis of the test reports and the approved documentation.
- 2) Degree of protection is to be complied with Rule Pt.6 Ch.1 Sec.2 201.2. (5).

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- 3) 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 tests to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 4) Explosion-proof certification by a notified/recognized Certification Body is not covered by this certificate. Ratings and Special Condition for Safe Use in hazardous areas are to be obtained from the relevant valid Ex-Certificate.
- 5) 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.
- 6) When this system is to be installed in the vicinity of a standard or a steering magnetic compass, it should have a minimum safe distance 5 m or more at which it may be mounted from such compasses.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.

3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

4. Others

- 1) Test condition

Test	Condition	Remark
EMC	All locations including the bridge and deck zone	-
Temperature	-20 ~ +70°C	BF-501/EX, BF-501/N, BF-502/EX, BF-503, BF-503/EX, BF-503/N
	-25 ~ +70°C	BF-501, BF-502 BF-502/N, BF-300V2
	-30 ~ +70°C	BF-500V2/EX, BF-500V2/N
	-40 ~ +70°C	BF-510WP-H
Vibration	Acceleration $\pm 0.7g$	-

< End of Certificate >