



TYPE APPROVAL CERTIFICATE

Certificate No. : CPH19730-FD002 **Initial Approval** : 6th May, 2008
Product : Manual Call Points
Manufacturer : Autronica Fire and Security AS
Bromstadvegen 59, N-7047 Trondheim, Norway

Product Description : Type : BF-500/EX, -500/N,
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 and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships and EN 54-11

This Certificate is valid until 5th March, 2025

Issued at Busan, Korea on 6th March, 2020



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 (ME20008407071) 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.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CPH19730-FD002

Date of Issue : 6th March, 2020

A. Product Description

1. Product Specification

- 1) BF-500/EX : Manual call point with SelfVerify, Ex ia version for use in all zones
- 2) BF-500/N : Manual call point with SelfVerify, Ex ic version for use in zone 2 only
- 3) BF-501 : Manual call point with SelfVerify
- 4) BF-501/EX : Manual call point with SelfVerify, Ex ia version for use in all zones
- 5) BF-501/N : Manual call point with SelfVerify, Ex ic version for use in zone 2 only
- 6) BF-502 : Manual call point with SelfVerify
- 7) BF-502/EX : Manual call point with SelfVerify, Ex ia version for use in all zones
- 8) BF-502/N : Manual call point with SelfVerify, Ex ic version for use in zone 2 only
- 9) BF-503 : Manual call point with SelfVerify
- 10) BF-503/EX : Manual call point with SelfVerify, Ex ia version for use in all zones
- 11) BF-503/N : Manual call point with SelfVerify, Ex ic version for use in zone 2 only
- 12) BF-300V2 : Manual call point with SelfVerify
- 13) BF-510WP-H : Manual call point with SelfVerify, weatherproof
- 14) BF-500V2/EX : Manual call point with SelfVerify, Ex ia version for use in all zones
- 15) BF-500V2/N : Manual call point with SelfVerify, Ex ic version for use in zone 2 only

2. Approved drawings and documents

- 1) Datasheet No. 116-P-BF500EX/CGB, Rev. D, 2010-06-01,
116-P-BF500N/CGB, Rev. B, 2014-01-06,
116-P-BF501/CGB, Rev. E, 2016-10-26,
116-P-BF501EX/CGB, Rev. G, 2016-11-25,
116-P-BF501N/CGB, Rev. D, 2016-11-25,
116-P-BF502/CGB, Rev. E, 2016-10-26,
116-P-BF502EX/CGB, Rev. G, 2016-11-25,
116-P-BF502N/CGB, Rev. D, 2016-11-25,
116-P-BF503/CGB, Rev. A, 2010-09-02,
116-P-BF503EX/CGB, Rev. H, 2016-04-29,
116-P-BF503N/CGB, Rev. C, 2016-04-29,
116-P-BF300V2/CGB, Rev. C, 2016-10-24,
116-P-BF510WPH/CGB, Rev. C, 2016-07-14,
116-P-BF500V2EX/CGB, Rev. C, 2016-04-29,
116-P-BF500V2N/CGB, 2016-04-29

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),
 - CNBOP Test report No. 1975/BA/04 (2006.06.06), BA/0678/400/2720/07 (2007.08.02)
 - CNPP 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. This approval is granted on the basis of the test reports and the approved documentation.
2. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
3. Unless specially directed by the Administration, this approval is not to be construed as a substitute for a flag Administration's approval. In order to be installed on board the Korean flag vessels in Korea, Product is to be type approved by the Korean Government.
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. Individual Product Certification is not required.

< End of Certificate >