



TYPE APPROVAL CERTIFICATE

Certificate No. : CPH19730-FD004 **Initial Approval** : 6th May, 2008.

Product : Ancillaries for Fire Detection System

Manufacturer : Autronica Fire and Security AS
Haakon 7's gt 4, N-7483 Trondheim, Norway

Product Description : Ancillaries for Fire Detection System
" See Appendix 1 "

Approval Condition : 1. 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.
2. Individual Product Certification is not required.

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, 301 of the Rules for Classification, Steel Ships and Chapter II-2 Regulation 13 of SOLAS, 1974 as amended by 1992 amendments.

This Certificate is valid until 5th May, 2018.
Issued at Busan, Korea on 30th January, 2013.



KOREAN REGISTER OF SHIPPING

*General Manager of
Materials and Equipment Team*

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.
2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CPH19730-FD004

Date of Issue : 30th January, 2013.

1. Product Descriptions :

- 1) Input / Output Units ;
BN-300, -300M, -310, 320, 320/2, -320/4, -320/5, -320/D-XS, -320/GMU-XS,
-320/LLL, -320/PS-XS, -320/D-LS, -320/D-L, -320/SV, -320/FS, BN-500EX,
-303, -304, -305, -307
- 2) Conventional Loop Interface
- BN-330 housing BNB-330
- BNB-330A
- BNB-331
- 3) Barrier for EX-Units
- BZ-500
- 4) Disable Units
- BW-200, BW-201
- 5) SmartBuzzer
- BBR-52
- 6) Sounder
- BBR-200
- 7) Serial Interface Unit for EAU-321, RS-232C, RS-422 or RS-485
- 8) Integrated Fire and Gas (IFG) ;
- EAU-341, BSD-321, BSD-340/1, BSD-340/2, BN-342/1, BN-342/2, BN-342/EX

2. Test Reports :

- DNV 98-1390 (Rev. 01), C-240, 99-1491 (Rev. 02), C-265, 2000-1178 (Rev. 02), C-268
2002-3146 (Rev. 01), 2001-3250 (Rev. 01), 2001-3416 (Rev. 01), 2003-3169 (Rev. 02),
2004-3541 (Rev. 01), 2010-3107 (Rev. 01)
- Nemko 03ATEX222
- Nemko 187264, 187265, 187266, 187267, 187270, 187271, E12044.00
- CNPP 08 00 74 A, 08 00 74

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