



Marine & Offshore
Division

Certificate number: 09168/D0 BV

File number: AP 3251

Product code: 39911

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

A.M.I. Automatisme Micro Informatique Industriels
Saint Marcel - FRANCE

for the type of product

MAIN ALARM SYSTEMS

Machinery Alarm Panel
Type J1905S, J3000, J3500

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 27 Sep 2021

For BUREAU VERITAS,

At BV SAINT QUENTIN-EN-YVELINES, on 27 Sep 2016,

Antoine PERRIN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation :
Type J1905S, J3000, J3500

- Product description:
 Machinery Alarm Panel

1.1 - Main Characteristics:

1.1.1 - Type J3000:

Alarm Input : 12 x Contact NO/NC
 Alarm Display : 12 x LED High Luminosity (10 mm x 10 mm)
 Alarm Output : 2 x Relay (Sound Alarm, Other)
 Other I/O : 2 x Push Button in Front (Test & Reset)
 : 4 x Push Button Input (Test, Stop Sound Alarm, Stop Flashing, Acknowledgement)
 : 3 x I/O for treatment
 Power Supply : 24 VDC, 48VDC, 125VDC

1.1.2 - Type J3500:

Alarm Input : 12 x Contact NO/NC
 Alarm Display : 12 x LED High Luminosity (10 mm x 10 mm)
 Alarm Output : 2 x Relay (Sound Alarm, Other)
 Other I/O : 2 x Push Button in Front (Test & Reset)
 : 4 x Push Button Input (Test, Stop Sound Alarm, Stop Flashing, Acknowledgement)
 : 3 x I/O for treatment
 Power Supply : 14-65VDC, 14-49VAC, 80-260VAC/VDC

1.1.3 - Type J1905S:

Alarm Input : 8 x Contact NO/NC
 Alarm Display : 8 x LED High Luminosity (5 mm x 10 mm)
 Alarm Output : 2 x Relay (Sound Alarm, Other)
 Other I/O : 2 x Push Button in Front (Test & Reset)
 : 2 x Push Button Input (Test, Stop Reset)
 : 1 x I/O for treatment (Inhibition)
 Power Supply : 15-65 VAC/VDC, 80-265VAC/VDC

2. DOCUMENTS AND DRAWINGS:

- Notice 1999/12 J3000 Prom V1.20
- Technical documentation J3000-xx-xx, version N° J3000 VER.05 dated 19.01.2000
- Technical documentation J3000FR002-27-09-07.
- Technical documentation J1905-02-1x, version N° J1905VER.01 dated 03.10.2012
- Technical documentation J3000-0x-1x, version N° J3000 VER.01 dated 29.11.2011
- Technical documentation J3500-0x-xxx, version N° J3500 VER.01 dated 04.02.2013

For modification D0 version:

A.M.I.:

- Technical documentation J1905S Ref.: J1905S_EN002_24-11-2015

3. TEST REPORTS:**Haztec :**

- Test report N° RP 99235-1 dated 07.01.2000.
- Test report N° R05114 dated 01.06.2005.

CNPP :

- Test report N° RD 99.00.17 dated 20.12.1999.
- J3500 test report N° LM 13 00 40 dated 17.07.2013.
- J1905 test report N° LM 13 00 52 dated 17.07.2013.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Not to be used for safety stop of diesel engines.
- 4.4 - Where an automation notation is expected: each application is to be submitted to the Society's approval.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above products are to be supplied by **A.M.I. Automatisme Micro Informatique Industriels** in compliance with the type and the requirements described in this certificate.
- 5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
- 5.3 - BV product certificate is required.

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Serial number of the units.
- Equipment type number or model identification under which it was type-tested.
- @ or \ conformity marking, as relevant.

7. OTHERS:

- 7.1 - It is **A.M.I. Automatisme Micro Informatique Industriels - FRANCE**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This Certificate supersedes the Type Approval Certificate No. 09168/C1 BV issued on 5 Sep 2013 by the Society.

*** END OF CERTIFICATE ***