

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr /No **03-001232/030906**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

This is to certify that this product on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:*TYPE AND DESCRIPTION OF PRODUCT:***Bridge Navigational Watch Alarm System (BNWAS)**
NavGard**PROIZVOĐAČ:**
*MANUFACTURER:***MARTEK MARINE Ltd**
Adwick Park
Manvers, Rotherham, S63 5AB
South Yorkshire*UNITED KINGDOM***PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:**
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova; Pravila, Dio 12.- Električna oprema, Dio 16.- Pomagala za navigaciju.
Croatian Register of Shipping; Rules, Part 12.- Electrical equipment, Part 16.- Navigational aids.

IMO MSC.128(75), IEC 62616:2010, IEC 60945:2002, IEC 61162-1:2007.

PODRUČJE PRIMJENE/POSEBNI GRANIČNI UVJETI:
FIELD OF APPLICATION/SPECIAL OPERATIONAL LIMITS:

Upravljački panel može se postaviti na stjenku mosta ili u upravljački/navigacijski pult.

Control panel may be installed on the wheelhouse bulkhead or in the maneuvering/ navigational console.

ODOBRENJE VRIJEDI DO: 2015-02-03
*APPROVAL IS VALID UNTIL:***UZ UVJETE NAVEDENE NA POLEĐINI**
*SUBJECT TO CONDITION OVERLEAF***Mjesto i datum: Split, 2011-02-03**
*Place and date:***M.P.**
(Seal)

Goran Begović, dipl.ing.

Odobrenje je valjano ako je ovaj proizvod izveden prema slijedećoj dokumentaciji:
The approval is valid if this product is manufactured in accordance with the following documentation:

SYSTEM COMPONENTS:

- *Control Panel,*
- *Reset Push-buttons,*
- *Passive Infra-red Detectors – PIR Motion Sensors directional/360 degree ,*
- *Alarm Sounders,*
- *Power Supply Modules – 110...240V AC or 24V DC,*
- *Internal Battery Backup 12V Ni-MH Battery,*
- *Communication Interface,*
- *Software Version - Ver. 2,0.*

TYPE APPROVAL DOCUMENTATION:

- *Operations & Installation Manual, Navgard – BNWAS Revision 1,*
- *Environmental tests - Mariner Systems TL1423 Issue 01, dated 26th May 2010 & 07th June 2010,*
- *IMO & IEC BNWAS Compliance Test carried out in presence of CRS, dated 27th January 2011,*
- *NavGard FAT Test in presence of CRS, dated 27th January 2011.*

CLAUSE FOR APPLICATION:

*All changes in hardware or software are to be recorded as long as the system is in use on board.
The records of all changes are to be forwarded to CRS for evaluation and approval.
Major changes in the hardware and software are to be approved before being installed on the vessel.*

Ovo odobrenje ne isključuje zahtjev za nadzorom tijekom izradbe proizvoda kod proizvođača, u skladu s gore navedenim Pravilima.
This approval does not eliminate the need for inspection during manufacturing of the product into manufacturers shop in compliance with a.m. Rules.

Račlana

13.03.03

Zamjenjuje potvrdu

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