



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No.	03-001396/031083
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THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 96/98/EC as last amended by directive 2012/32/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Bridge Navigational Watch Alarm System (BNWAS)

with type designation **ITDAC-14DB-1**

ANNEX A.1 NO AND ITEM DESIGNATION

Annex A.1, item No. A.1/4.57 - Bridge navigational watch alarm system (BNWAS)

MANUFACTURER:

**INELTEH d.o.o., Ljubljanska cesta 7,
51000 RIJEKA - Croatia**

REGULATIONS AND STANDARDS (in accordance with Annex A.1, Directive)

Is found to comply with:
SOLAS 74 as amended, Regulation V/18; IMO Res.A.694(17); IMO Res.MSC.128(75) and IMO Res. MSC.191(79).

NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. 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.
4. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2018-04-04**

Place and date: **Split, 2014-04-04**

Seal

Signature

Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

ITDAC-14DB-1 consists of the following components:

- 1. Control unit type ITDAC-14DB-1, 230V AC/24V DC or 115V AC/24V DC, flush mounting,*
- 2. Reset unit type ITRU-2, with buzzer and dimmer, 24V DC, flush or bulkhead mounting,*
- 3. Reset unit type ITRU-2, with buzzer, without dimmer, 24V DC, bulkhead mounting, IP56,*
- 4. Signalling unit type SU, 24V DC, flush or bulkhead mounting,*
- 5. Motion detector type ITMD-15, 12V DC,*
- 6. Connection box for motion detector type ITMD-15 (02-05-019),*
- 7. Box for bulkhead mounting, size 300x300x210mm.*

2. APPLICATION/LIMITATION OF USE

Compass safe distance 200mm for all components.

3. DESIGN DRAWINGS AND SPECIFICATIONS

*INELTEH ITDAC-14DB-1 documentation, 20042011 rev.2,
P.C.B. ITDAC-14DB-1 A 29032011 - Circuit diagram,
P.C.B. ITDAC-14DB-1 B 29032011 - Circuit diagram,
P.C.B. ITRU-SU 24032011 - Circuit diagram,
Component specifications.*

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

*Performance testing - IEC62616(2010) and MSC.128(75),
Environmental testing - IEC60945(2002) including Corrigendum 1(2008):
Test Report - KONČAR INSTITUT No.21520-BV-062/11, No.21550-04111, No.21550-04812 and 21583EMC11029,
Serial interface testing, IEC61162-1(2010),
Compass safe distance test - KONČAR INSTITUTE No. 21583EMC11045.*

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

All cables used for installation and interconnections shall be of approved type.

6. OTHER MATERIALS AND/OR COMPONENT

Second and third stage remote audible alarm sound pressure level shall be at least 75dB(A) but not greater than 120dB(A) at 1m distance from the source.

7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D – The quality system for production and testing shall be approved by the Notified Body or,

Module E – The quality system for inspection and testing shall be approved by the Notified Body or,

Module F – Compliance of the product in this EC Type Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Installation shall be performed according to manufacturer User's Manual.

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

2489/yy (yy = last two digits of year mark affixed)

10. OTHERS

Software version, ITDAC-14DB v3.05

- END OF CERTIFICATE -