



POTVRDA O TIPNOM ODOBRENJU
TYPE APPROVAL CERTIFICATE

Br/No **03-0016/031368**

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:

**JEDNOKRATNO PROGRAMABILNI KONTROLER ZA ALARMNE
 JEDINICE, UPRAVLJAČKE JEDINICE I OBRADU PODATAKA**

ONE TIME FACTORY PROGRAMMABLE CONTROLLER FOR
 ALARM UNITS, CONTROL UNITS AND DATA ACQUISITION

ITDAC - 14
ITDAC - 14A
ITDAC - 14B
ITPC - FB

PROIZVOĐAČ:

MANUFACTURER:

INŽINJERING ZA ELEKTRONIČKE
 UREĐAJE I SISTEME d.o.o.

INELTEH

ENGINEERING FOR ELECTRONIC
 EQUIPMENT AND SYSTEM

Ljubljanska cesta 7, 51000 RIJEKA • HRVATSKA •

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova: Pravila za klasifikaciju brodova, Dio 13. – Automatizacija
 Croatian Register of Shipping: Rules for the classification of ships, Part 13 – Automation

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO:
 APPROVAL IS VALID UNTIL:

2022-07-22

Mjesto i datum Split, 2018-07-23
 Place and date

M.P.
 (Seal)

Marinko Popović, dipl.ing.

Napomena: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

Note: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

PODROBNJI OPIS PROIZVODA:*DETAIL PRODUCT DESCRIPTION:*

Koristeći Inelteh programe, osnovni sustav se može upotrijebiti za različite namjene te u kombinaciji s ostalim jedinicama.
Basic unit can be used with Inelteh software for different use separately or in combination with others units forming the system.

TEHNIČKA DOKUMENTACIJA / NACRTI:*TECHNICAL DOCUMENTATION / DRAWINGS:*

VERSION	ITDAC-14	ITDAC-14A	ITDAC-14B	ITPC-FB
Binary inputs	10	9	--	5
Analogue inputs	3	--	8	--
Outputs (LEDs, relays)	LEDs: 13 + power + PWF	LEDs: 9 + power + PWF	LEDs: 8 + power + PWF + line failure + alarm hold	LEDs: 9 + system fault + PWF Relays: (3A/250V) for pumps start and block
Common alarm relay output (3A/250V)	1, also active for PWF	--	1	1 for general alarm and 1 for general alarm repeat and PWF
Group alarm relays	--	4	--	--
Power failure alarm	yes	yes+separate output relay	yes+separate output relay	yes
Internal NiCd battery for PWF	yes	yes	yes	yes
Sensor line failure	--	--	yes+separate relay	--
Dimmer	yes	--	--	--
Built-in buzzer	yes	yes	yes	yes
Alarm test	yes	yes	yes	--
Lamp test	yes	yes	yes	yes
Alarm accept	Double function button	Double function button	Separate for visual and audible	Common for visual and audible
Power supply	24V +30% -20% D.C./A.C.	24V +30% -20% D.C./A.C.	24V +30% -20% D.C./A.C.	24V +30% -20% D.C./A.C.
Consumption	0.3A max	0.4A max	0.3A max	0.4A max
Ambient temperature	-25 -- +70°C	-25 -- +70°C	-25 -- +70°C	-25 -- +70°C

PODRUČJE PRIMJENE / POSEBNI I GRANIČNI UVJETI:*APPLICATIONS / LIMITATIONS:*

Sustav je odobren za primjenu na brodovima s dodijeljenom oznakom automatizacije – AUT1, AUT2 i AUT3.
System is approved for use on board a vessels granted with automation notations – AUT1, AUT2 and AUT3.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:*TYPE APPROVAL DOCUMENTATION:*

VIBRATION TEST	- SIQ TEST REPORT	T 221-012/98, dated 01.04.1998.
	- BRODARSKI INSTITUT	YQ01-02-314, dated 28.04.2014.
ENVIRONMENTAL TEST	- TEST REPORT	BR. 0598001, dated 04.06.1998.
	- INELTEH	CT-Cold-1403-001, dated 07.03.2014.
EMC TEST	- SIQ TEST REPORT	T 231-0657/98
	- KONČAR INSTITUTE	21580181102, dated 18.11.2002.

OZNAČAVANJE PROIZVODA:*MARKING OF PRODUCT:*

Ime proizvođača, tip proizvoda, serijski broj-identifikacija i sigurna udaljenost od magnetskog kompasa.
The Manufacturer and Type Designation of the product, serial number and safe distance to magnetic compass.

UVJETI ZA CERTIFIKACIJU:*CONDITIONS OF CERTIFICATION:*

Sve hardverske i softverske promjene sustava moraju se dostaviti HRB-u radi provjere i odobrenja.
All changes in hardware or software are to be forwarded to CRS for evaluation and approval.