



NIPPON KAIJI KYOKAI

Certificate **OF** **TYPE APPROVAL**

Applicant: Huegli Tech AG (Ltd)
Manufacturer: ComAp, spol. s r.o.
Place of manufacturing: Kundratka 2359/17; CZ-180 00 Prague 8; Czech Republic
Product description: Gen-Sets control, safety and alarm system
Model: InteliGen and InteliSys NT Marine (IG-NT, IS-NT)
Approval No.: 07A043
Specification & documents: As shown on the attached sheet (-1/2)
Test items & approval conditions: As shown on the attached sheet (-2/2)

THIS IS TO CERTIFY that the above mentioned model of the product has been type approved with **Approval No. 07A043** by the NIPPON KAIJI KYOKAI in accordance with the requirements specified in Chapter1, Part 7 of Guidance for the approval and type approval of materials and equipment for marine use and relevant Society's Rules.

This certificate will remain in force until the 12th December 2013.

Issued at Tokyo on the 13th December 2007.



S. Ogawa
General Manager,
Machinery Department

Specification & documents :

1. Ratings: Power Supply DC 24V

2. Components and reference drawings:

Components	Description	Referenced drawings
IS-NT-BB Marine	InteliSys NT Base Box (Central unit)	<ul style="list-style-type: none"> • Brochures • Operator Guide InteliGen, InteliSys (ver.2.0, Sep.2006) • Installation Guide (ver.2.1, Feb.2007) • Application Guide (ver.2.1, Feb.2007) • Troubleshoot Guide (ver.2.1, Feb.2007) • User Guide SPiM, SPI, MINT, COX, COMBI, MINT-GeCon, InteliMonitor, GenConfig (ver.2.1, Feb.2007) • User Guide WinScope (ver.1.4, Feb.2006) • Communication Guide (Feb.2007) • ECU list-Allspeed (ver.3.3, June 2006) -Gensets (ver.3.2, Feb.2007)
IS-Display Marine	InteliSys NT Display	
IG-NTC LT GC Marine	InteliGen NT Central unit	
IGS-LSM+PMS Dongle	Dongle to enable load sharing and power management	
IG-Display Marine	Secondary Display (Remote Display)	
I-AOUT8	8 analog output interface	
I-RB8	Relay board with 8 relays	
I-RB8-231	Relay board with 8 relays for 231Vac	
I-LBA	Low Battery Adapter	
I-LB+	Local Bridge	
I-MTU 2:1	Mains Transformer Unit	
I-CR	CAN repeater module	

3. Test Reports:

Test Report No.603501-01/01,-01/02,-01/03,-01/04

issued by Electrotechnical Testing Institute on 16&30 Nov.2006

Amendment to Test Report No.603501-01/02

issued by Electrotechnical Testing Institute on 3 Dec.2007

Test items & approval conditions:

1. Testing items : Applied testing items are marked with X.

ENVIRONMENTAL TESTS		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test		X
Damp heat tes		X
Vibration test		X
Inclination test		--
Cold test		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test		X
Burst/Fast transient immunity test		X
Surge immunity test		X
Radiated emission test		X
Conducted emission test		X

2. Approval condition:

The product is not allowed to be installed in the bridge and on open decks.

-- The end --