



Certificate No. 03-001960/031659

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

FIRE DETECTION CENTRAL UNIT ITDAC-14P

MANUFACTURER:

INELTEH d.o.o.

Ljubljanska cesta 7
51000 Rijeka
CROATIA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS

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

APPROVAL IS VALID UNTIL: 2027-06-09

Place and date: Split, 2023-06-12 Seal

Marinko Popović, dipl.ing.

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.

DETAILED PRODUCT DESCRIPTION:

One time factory programmable microcontroller. Central unit has 6-12 zones to connect non-addressable fire sensors.

VERSION	ITDAC-14P-6	ITDAC-14P-8	ITDAC-14P-12
Analogue inputs - zones	6	8	12
Alarm indications	6 alarms + Power + Power failure + Line failure + Alarm output activated	8 alarms + Power + Power failure + Line failure + Alarm output activated	12 alarms + Power + Power failure + Line failure + Alarm output activated
Relay Outputs	1 for ventilation blocking (voltage-free output contact) + 1 for alarm (24VDC/1A output)	1 for ventilation blocking (voltage-free output contact) + 1 for alarm (24VDC/1A output)	1 for ventilation blocking (voltage-free output contact) + 1 for alarm (24VDC/1A output)
Power failure alarm	Yes	Yes	Yes
Internal NiCd battery for PWF	Yes	Yes	Yes
Sensor line failure	Yes	Yes	Yes
Dimmer	Yes	Yes	Yes
Built-in buzzer	Yes	Yes	Yes
Alarm test	Yes	Yes	Yes
Lamp test	Yes	Yes	Yes
Alarm accept	Double function button	Double function button	Double function button
Power supply	24VDC (18-32 VDC)	24VDC (18-32 VDC)	24VDC (18-32 VDC)
Consumption (alarm unit, without alarm outputs)	0.3A max.	0.4A max.	0.5A max.
Ambient temperature	-25°C - +70°C	-25°C - +70°C	-25°C - +70°C
Firmware	v4.00	v4.00	v4.00

APPLICATION / LIMITATIONS:

The system is approved for use on ships according to the CRS Rules for the classification of ships.

TYPE APPROVAL DOCUMENTATION:

INELTEH, Type approval documentation – CRS file no. 13.10.01/7

Vibration test:

- KONČAR INSTITUTE, Test report number: 84/514

Environmental test:

- KONČAR INSTITUTE, Test report number: 51-14221

EMC test:

- KONČAR INSTITUTE, Test report number: 21583EMC21034, 21580181102

Safe compass distance:

- KONČAR INSTITUTE, Test report number: 21583SCD21034

MARKING OF PRODUCT:

The Manufacturer and Type Designation of the product, serial number and safe distance to magnetic compass.

CONDITIONS FOR CERTIFICATION:

All hardware or software changes are to be forwarded to CRS for evaluation and approval.