



TYPE APPROVAL CERTIFICATE
No. ELE465721CS

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Temperature monitoring and control modules
<i>Type</i>	NT935 Basic; NT935 AD; NT935 ETH NT538 Basic; NT538AD; NT538 ETH T154
<i>Applicant</i>	TECSYSTEM SRL Via L. Da Vinci, 54/56 20094 Corsico (Mi) ITALY
<i>Manufacturer</i>	TECSYSTEM SRL
<i>Place of manufacture</i>	Via L. Da Vinci, 54/56 20094 Corsico (Mi) ITALY
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Genoa** on **December 15, 2021.** *This Certificate is valid until* **December 15, 2026**

RINA Services S.p.A.
Valerio Bonanni

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE

No. ELE465721CS

Enclosure - Page 1 of 1

NT935 Basic

NT935 AD

NT935 ETH

NT538 Basic

NT538AD

NT538 ETH

T154

Description: Microprocessor based unit for temperature control and monitoring

NT935, T154

Operating range: 0 °C to 240 °C

Accuracy: $\pm 1\%$ F.S. ± 1 digit

Input: 4 channels Pt100 3 wires

Output: alarm relay + trip relay + fan relay (2 fan relays for NT935 BASIC, AD, ETH) + failure relay

Power supply: 24 to 240 Vdc / Vac 50-60 Hz 7,5 VA

Size: 100x100 mm depth 131 mm

Notes:

T-154 and **NT935 basic** without communication port

NT935 AD with 4-20 mA optoisolated analog output and RS485 output

NT935 ETH power supply 85 to 260 Vdc / Vac 7,5 VA and ETHernet output

NT 538

Operating range: from 0°C to 240 °C

Accuracy: $\pm 1\%$ F.S. ± 1 digit

Input: 8 channels Pt100 3 wires

Output: alarm relay + trip relay + 2 fan relay + failure relay

Power supply: 24 to 240 Vdc / Vac 50-60 Hz 7,5 VA

Size: 100x100 mm depth 131 mm

Notes:

NT538 basic without communication port

NT538 AD with 4-20 mA optoisolated analog output and RS485 output

NT538 ETH power supply 85 to 260 Vdc / Vac 7,5 VA and ETHernet output

Reference documents / instruction manuals:

NT 538 Basic / NT 538 AD: R 2.0 (2020/11/26)

NT 538 ETH: R 1.2 29/04/16 (2020/11/26)

NT 935 basic / NT 935 AD: R 1.9 (2020/11/26)

NT 935 ETH: R 1.8 (2020/11/26)

T154: R 1.8 (2020/11/26)

Test reports:

Nemko report n. 305815-1 TRFEMC (2016/04/06); 305815-2 TRFEMC (2016/04/06)

319731-1 TRFEMC (2016/11/14); 319731-2 TRFEMC (2016/11/14)

341869 TRFEMC (2017/12/15)

RadioMotive n. 0495_21_EMCTR-0 (2021/11/15)

Genoa December 15, 2021