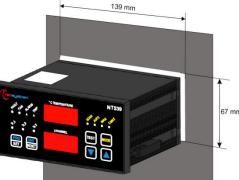
QUICK START GUIDE (NT539 INSTALLATION NOTES)

RULES FOR THE CORRECT INSTALLATION OF THE NT539 CONTROL UNIT							
In order to guarantee the correct and reliable operation of the transformer temperature control system, follow the instructions supplied in this document about the installation of the control unit and the connection of the temperature sensors. SAFETY REQUIREMENTS ATTENTION: Read the manual carefully before starting to use the control unit. Keep the instructions for future reference. Do not open the device, touching any internal components can cause electric shock. Contact with a voltage over 50 Volts can be fatal. To reduce the risk of electric shock, do not dismantle the back of the device for any reason. Moreover its opening would void the warranty.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27					1	
Before connecting the device to the power supply, make sure that all the connections are correct. Always disconnect the unit from the supply before any cabling modification. Image: Always of the equipment must be entrusted to a qualified engineer. Failure to comply with these instructions can cause damages, fires or electric shock, and possible serious injuries!	1 SENSORS: 9 inputs for RTD sensors, Pt100 type with 3 wires (max section 1.5mm²) TRAFO 1 TRAFO 2 CH1 CH2 CH1 CH2 CH1 CH2 TRAFO 2 TRAFO 3 CH1 CH2 CH2 CH3 CH4 CH6 CH1 CH2 CH3 CH4 CH6 CH6 CH1 CH3 CH4 CH6 CH7 CH6 CH1 CH3 CH3 CH3 CH3 CH3 CH3 CH3 CH3 CH3						
 POWER SUPPLY The NT539 has UNIVERSAL power supply, i.e. it can be supplied by 24 to 240 Vac-Vdc, irrespectively of polarity in Vdc. Before using it, make sure the power cable is not damaged, knotted or pinched. Do not tamper with the power cable. Never disconnect the unit by pulling the cable, avoid touching the pins. Do not carry out any connecting/disconnecting with wet hands. To disconnect the device, do not use objects such as levers. Immediately disconnect the device if you smell burning or see any smoke: contact technical service. LIQUIDS Do not expose the equipment to splashes or drops, do not position it in places with humidity exceeding 90% and never touch with wet or humid hands during storms. If any liquid penetrates the control unit, disconnect it immediately and contact technical service. CLEANING Disconnect the power cable before cleaning the control unit, use a dry cloth to dust it, without any solvent or detergents, and compressed air. OBJECTS Never insert any objects into the cracks of the control unit. If this happens, disconnect the control unit and contact an engineer. USE RESERVED TO QUALIFIED PERSONNEL The purchased goods are a sophisticated electronic device that is totally unsuitable to be used by non-qualified personnel. Any work must be carried out by a specialist engineer. ACCESSORIES The use of non-original accessories or spare parts can damage the unit and endanger users' safety. In the event of faults, contact technical service. 	Z Vdc, 50/66 The groun 3 RELAYS: 3 CONNECTION FF 7 To connect the Pt 7 the following instru Installation rules • Every P a maxin 1	uctions rigorously: <i>:</i>	of polarity in Vdc (t connected to termi of 6A-250Vac-res (68/69/70 717 TRIP TRAFO2 TRA 53/54/55 56/5 ALARM ALA TRAFO2 TRA OX / SENSORS TO ctly between the S	terminals 40-42). inal 41. COSΦ=1 contacts 273 747576 FAN FAN FAN FAN FAN FAN FAN FAN	s. 7777879 FAN TRAFO2 626364 FAULT UNIT emperature control g a minimum section	ol unit, comply with on of 0.35mm² and	
 LOCATION Install the control unit indoors, in a place protected from water splashes and sun rays. Do not place near heat sources exceeding the parameters stated in this manual. Position on a stable surface, far from any possible vibrations. Position the unit as far as possible from any intense magnetic fields. REPAIRS Do not open the control unit. For any fault, always use qualified personnel. The opening of the control unit and/or the removal of the series identifying label entails the automatic forfeiture of the warranty. The Warranty seal is applied to all devices, any attempt to open the unit would break the seal and cause the consequent automatic forfeiture of the warranty. 	 The wires must be twisted. The cable screening must be grounded only with a termination, preferably on the unit side. The sensors' signal transfer cable must not be near any electrical cables, either low or medium-high voltage. The Pt100 cable and the signal transfer cable must be laid in a straight line, without any winding. Any caps used to butt conductors must be crimped properly to avoid false contacts. If you do not comply with the instructions supplied, there may be anomalies in the temperature reading for which TECSYSTEM cannot be held responsible. 						
FITTING THE CONTROL UNIT	DEFAULT PROGRAMMING SETTING						
The temperature control unit must be fitted on a panel complying with the following instructions:	SELECTIO	SELECTION TRANSFORMERS ENABLED			NUMBER OF ENABLED TRANSFORMERS: 3		
4 139 mm	ALARM TR1 CH1-CH2-CH3	TRIP TR1 CH1-CH2-CH3	ALARM TR2 CH4-CH5-CH6	TRIP TR2 CH4-CH5-CH6	ALARM TR3 CH7-CH8-CH9	TRIP TR3 CH7-CH8-CH9	
The device is designed to be panel-mounted.	90°C	119°C	90°C	119°C	90°C	119°C	

- Do not position the device near any heat sources or strong magnetic fields.
- Operating temperature from -20°C to 60°C
- Maximum humidity 90% (non-condensing)
- Indoor work environment (protected by splashes and sun rays)
- Make a 139 x 67 mm hole (tolerance +0.8mm) in the panel metal sheet.



FAN TR1 - YES

ON: 70°C

OFF: 60°C

We recommend you check the unit's programming before starting the device.

FAN TR3-YES

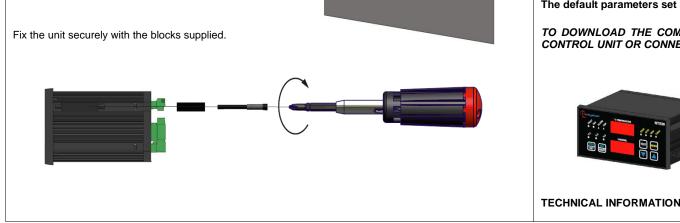
ON: 70°C

OFF: 60°C

FAN TR2-YES

ON: 70°C

OFF: 60°C



The default parameters set by TECSYSTEM might not match your requirements.

TO DOWNLOAD THE COMPLETE "NT539 INSTRUCTION MANUAL", USE* THE QR CODE ON THE CONTROL UNIT OR CONNECT TO THE TECSYSTEM WEBSITE (<u>www.tecsystem.it</u>)

FCD

NO





HFN

NO

REL

CON

<u>MANUAL</u>

TECHNICAL INFORMATION : Mail: <u>ufficiotecnico@tecsystem.it</u> — tel: 02/4581861

*download the QR CODE READER application to your smartphone / tablet and you will be ready to read all Q codes



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