

Please read this document carefully before using this product. The guarantee will be invalidated if the device is damaged by not following instructions detailed in the manual. The company shall not be responsible for any damage or losses however caused, which may be experienced as a result of the installation or use of this product.

ENDA ET1413A NTC FAN CONTROL THERMOSTAT

Thank you for choosing ENDA ET1413A temperature controller

- * 35 x 77mm sized.
- * 4 digits display.
- * Decimal display feature.

* 3 contact outputs for the fan and air condition control.

* For air-condition, on-off cooling control.

* Fan and air-condition is done manually on the front panel keys.

* CE marked according to European Norms.





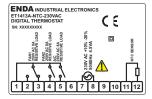
Order Code: ET1413A-NTC-

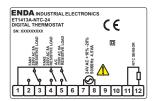
Supply Voltage 230VAC...230V AC 24......24V AC/DC 12......12V AC/DC

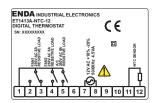
Connection Diagram



ENDA ET1413A is intended for installation in control panels. Make sure that the device is used only for intended purpose. The electrical connections must be carried out by a qualified staff and must be according to the relevant locally applicable regulations. During an installation, all of the cables that are connected to the device must be free of electrical power. The device must be protected against inadmissible humidity, vibrations, severe soiling and make sure that the operation temperature is not exceeded. The cables should not be close to the power cables or components.

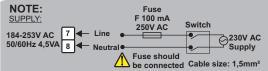






Equipment is protected throughout by DOUBLE INSULATION





Note:

- 1) Mains supply cords shall meet the requirements of IEC 60227 or IEC 60245.
- IEC 60227 or IEC 60227 2) In accordance with the safety regulations, the power supply switch shall bring the identification of the relevant instrument and it should be easily accessible by the operator.

Technical Specifications

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ENVIRONMENTAL CONDITIONS		
Ambient/storage temperature	0 +50°C/-25 70°C (with no icing)	
Max. relative humidity	80%, up to 31°C decreasing linearly 50% at 40°C	
Protection class	According to EN 60529 Front panel: IP65	
	Rare panel : IP20	
Height	Max. 2000m	
Do not use the device in locations subject to corrosive and flammable gasses.		

ELECTRICAL CHARACTERISTICS		
Supply voltage	230V AC +%10 -%20, 50/60Hz or 24V AC/DC ±%10, 50/60Hz or 12V AC/DC ±%10, 50/60Hz	
Power consumption	Max. 4.5VA	
Connection	2.5mm²screw-terminal connections	
Scale	-50 +110°C	
Sensitivity/Accuracy	0.1°C / ±1°C	
Indicator	4 digits, 12.5mm, 7 segment yellow LED	
EMC	EN 61326-1: 1997, A1: 1998, A2: 2001 (Performance criterion B is satisfied for EMC tests. The device is designed to operate in controlled electromagnetic environment)	
Safety requirements	EN 61010-1: 2001 (Pollution degree 2, overvoltage category II)	

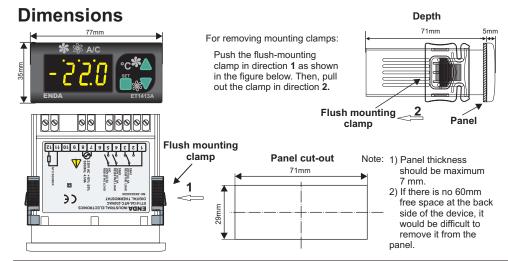
OUTPUTS	
A/C (Air-condition output)	Relay: 250V AC, 8A (for resistive load), NO+NC; 1/2 HP 240V AC Cos = 0.4 (for inductive load)
Fan 1	Relay: 250V AC, 8A (for resistive load), NO; 1/2 HP 240V AC Cos Φ = 0.4 (for inductive load)
Fan 2	Relay: 250V AC, 8A (for resistive load), NO; 1/2 HP 240V AC Cos = 0.4 (for inductive load)
Life expectancy for relay	Without load 30.000.000 switching; 250V AC, 8A resistive load 100.000 switching.

CONTROL	
Control type	Single-setpoint control
Control algorithm	On-Off control
Hysteresis	0.5°C.

HOUSING	
Housing type	Suitable for flush-panel mounting.
Dimensions	W77xH35xD71mm
Weight	Approx.223g (After packing)
Enclosure material	Self extinguishing plastics



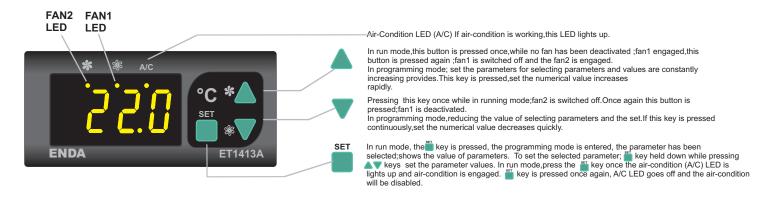
While cleaning the device, solvents (thinner, benzine, acid etc.) or corrosive materials must not be used.

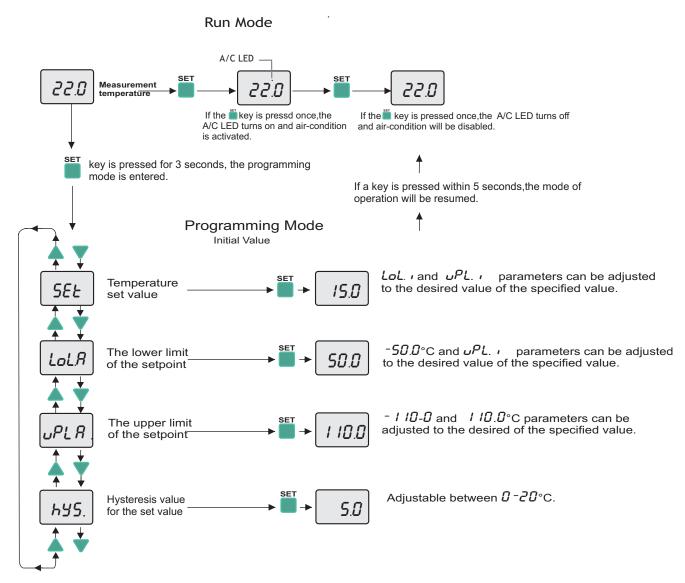


SİSEL MÜHENDİSLİK ELEKTRONİK SAN. VE TİC. A.Ş. Yukarı Dudullu Barbaros Cad. Kutup Sok. No:20 34775 - ÜMRANİYE/İSTANBUL/TÜRKİYE Tel : +90 216 499 46 64 Pbx. Fax : +90 216 365 74 01

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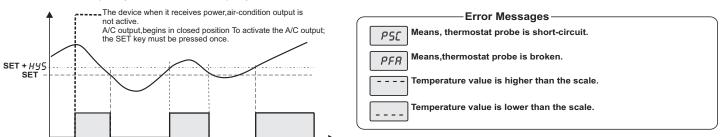
Terms





Output Table

A/C Output (air-condition output)



2/2 ET1413A-E-01