english



Read this document carefully before using this device. The guarantee will be expired by damaging of the device if you don't attend to the directions in the user manual. Also we don't accept any compensations for personal injury, material damage or capital disadvantages.

ENDA ETC1311 DIGITAL THERMOSTAT

Thank you for choosing ENDA ETC1311 temperature controller.

- * 35 x 77mm sized.
- * On-Off control.
- * TC Typ "J" or "K" or Pt100 input.
- * Temperature compensation.
- * In the case of probe failure, heating can be selected on, off or periodical running.
- * Upper and lower limits of the setpoint can be adjusted.
- * Set value can be adjusted by using single key.
- * Having CE mark according to European Norms.



C € R⊗HS Compliant



1	- Input			
	FE	Fe-Const (J)		
	RT	Pt100		
	K	NiCr-Ni (K)		

2 - Supply Voltage 230VAC...230V AC 24VAC....24V AC

12VAC.....12V AC SM......9-30V DC / 7-24V AC

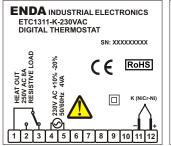
3 - Output

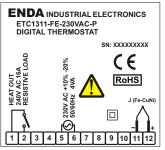
P...... Relay-16A None...Relay-8A SSR....Logic output

Attention!



ENDA ETC1311 is intended for installation in control panels. Make sure that the device is used only for intended purpose. The electrical connections must be carried on 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 energy. 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.

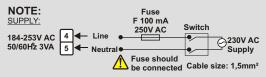






Equipment is protected throughout by DOUBLE INSULATION.





Note:

- 1) Mains supply cords shall meet the requirements of IEC 60227 or IEC 60245.
- 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

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			
Rated pollution degree	According to EN 60529 Front panel: IP65 Rear panel: IP20			
Height	Max. 2000m			
Do not use the device in locations subject to corrosive and flammable gasses.				

ELECTRICAL CHARACTERISTICS			
Supply voltage /	/ voltage / 230VAC +10%/-20%, 50/60Hz, 24VAC±10%,50/60Hz or 24Vac/dc (9-30Vdc or 7-24Vac)		
Power consumption	Max. 4VA		
Wiring	2.5mm² screw-terminal connections.		
Scale	TE Typ "J" or "K": 0 +600°C / Pt100: -100600°C		
Sensitivity/Accuracy	± 0.5% (of full scale) / ±1 digit		
Indicator	3 digits, 14mm, 7 parts red 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	FN 61010-1: 2001 (Pollution degree 2 overvoltage category II)		

OUTPUT		
HEAT OUT	For ETC1311-XX ; Relay: 250V AC, 8A(for resistive load), NO+NC.	
	For ETC1311-XXP ; Relay: 250V AC, 16A(for resistive load), NO.	
Life expectancy for relay	For ETC1311-XX ; Mechanical 30.000.000; Electrical 100.000 operation.	
	For ETC1311-XXP; Mechanical 30.000.000; Electrical 30.000 operation.	

CONTROL		
Control type	Single-setpoint control	
Control algorithm	On-Off control	
Hysteresis	Adjustable between 1 20°C.	

HOUSING		
Housing type	Suitable for flush-panel mounting.	
Dimensions	W77xH35xD71mm	
Weight	Approx. 250g (after packing the device and a probe)	
Enclosure material	Self extinguishing plastics	
A	<u> </u>	



previous notice!

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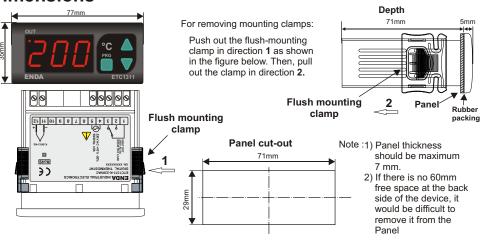
reserved

modification

to date: 03072010,

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

Dimensions

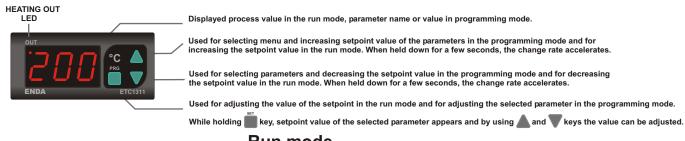


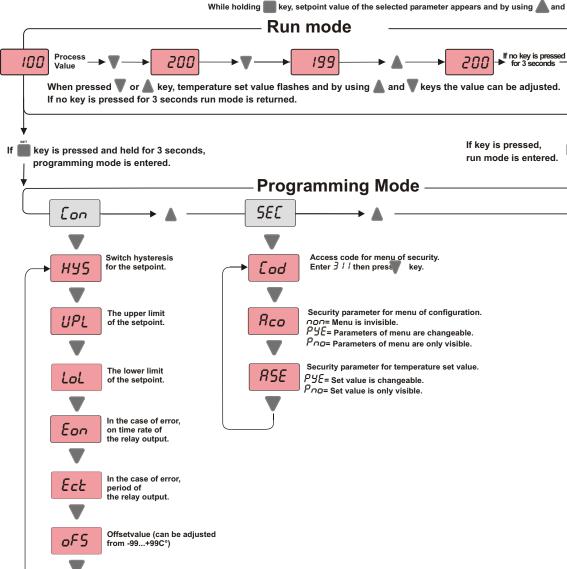
1./2 ETC1311-E

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PARAMETER TABLE						
[on	Menu of Configuration parameters	MIN	MAX	UNIT	DEF.SET	
HY5	Switch hysteresis for the setpoint. (When temperature falls to SET-HYS, output relay becomes active.)	1	20	°C	1	
UPL	The upper limit of the setpoint.	LoL	600	°C	600	
LoL	The lower limit of the setpoint.	0	UPL	°C	0	
Eon	In the case of error, on time rate of the relay output.	0	100	% Ect	0	
Ect	In the case of error, period of the relay output.	10	250	sec	30	
oF5	Offsetvalue (can be adjusted from -99+99C° to a desired value)					
585 Menu of Parameter security						
Aco	Security parameter for menu of configuration. non= Menu is invisible. PYE= Parameters of menu are changeable. Pno= Parameters of menu are only visible.					
Security parameter for temperature set value. PYE= Set value is changeable. Pno= Set value is only visible.						

