

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.

CE

ENDA ET1311 DIGITAL THERMOSTAT

Thank you for choosing ENDA ET1311 temperature controller.

- * 34 x 77mm sized.
- * On-Off control.
- * PTC or NTC sensor.
- * Adjustable offset for sensor.
- * Selectable cooling or heating control.
- * The maximum and minimum values of the setpoint can be limited.
- * Output state can be selected On or Off in the case of probe failure.
- * CE marked according to European Norms.

Order Code : ET1311-

- 1 Probe Type NTC.....NTC Probe
 - PTC.....PTC Probe
 - 2 Supply Voltage 230VAC...230V AC 24.....24V AC/DC 12.....12V AC/DC

Connection Diagram



NOTE :

SUPPLY:

ENDA ET1311 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.



Pay attention to the color of the PTC probe cables while connecting them to the PTC SENSOR input of the device

Technical Specifications

ENVIRONMENTAL CONDITIONS			
0 +50°C/-25 +70°C (with no icing)			
80%, up to 31°C decreasing linearly 50% at 40°C			
According to EN 60529	Front panel :IP60 Rear panel :IP20		
Maximum 2000m			
Do not use the device in locations subject to corrosive and flammable gasses.			
	IONS 0 +50°C/-25 +70°C (w 80%, up to 31°C decreasi According to EN 60529 Maximum 2000m n locations subject to cor		

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. 2VA	
Wiring	2.5mm ² screw-terminal connections.	
Scale	-50+100°C for NTC, -50+150°C for PTC.	
Sensitivity	1°C	
Accuracy	±1°C	
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)	

OUTPUT Control output Relay: 250V AC, 8A (for resistive load), NO+NC or 12V DC, 10mA logic output. Mechanical 30.000.000 operation; Electrical 100.000 operation. Life expectancy for relay Control output state While control output is energized, OUT LED is On. Note: The relay contacts are suitable for in-line switching of compressors up to 0,5 HP at 240V AC or 1/4 HP at 110V AC.

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	W77xH34xD70mm
Weight	ET1311-230 : Approx. 202g (After packing) ET1311-12 : Approx. 122g (After packing)
Enclosure material	Self extinguishing plastics

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

Dimensions

ET 1311



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run mode is entered.

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ERROR MESSAGE

Means the temperature sensor is broken or the temperature is out of the scale range.