



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 EI1410 NTC TEMPERATURE INDICATOR

Thank you for choosing ENDA EI1410 NTC temperature indicator.

- * 77 x 35mm sized.
- * 4 digits display.
- * Easy to use by front panel keypad.
- * Display can be selected decimal or integer.
- * Temperature unit can be selected °C or °F.
- * Maximum and minimum measurement values are registered.
- * Upper and lower limits of the alarm value can be adjusted
- * CE marked according to European Norms.

Order Code : EI1410-NTC-□□□□□□

1

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

CE R^{HS}
Compliant



TECHNICAL SPECIFICATIONS

ENVIRONMENTAL CONDITIONS

Ambient/storage temperature	0 ... +50°C/-25 ... 70°C
Max. relative humidity	80% up to 31 decreasing linearly 50% at 40 .
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 gases.

ELECTRICAL CHARACTERISTICS

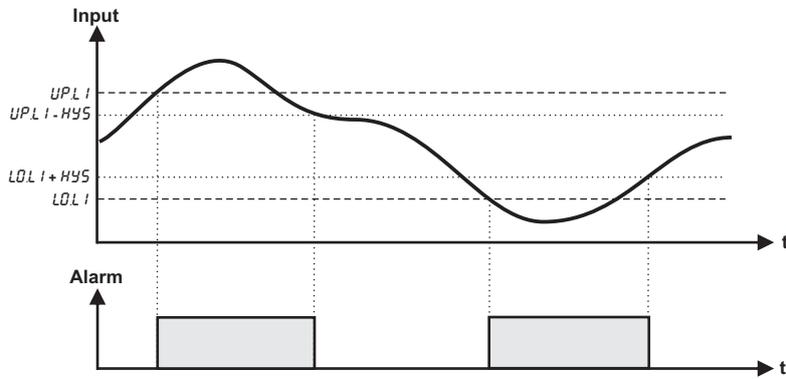
Supply	230V AC +10% -20%, 50/60Hz or 24V AC#DC 10%, 50/60Hz or 12V AC#DC 10%, 50/60Hz	
Power consumption	Max. 4 VA	
Wiring	2.5mm ² screw-terminal connections	
Scale	Decimal	-60.0°C...150.0°C
	Integer	-60°C...150°C
Sensitivity	0.1°C	
Accuracy	±1°C	
EMC	EN 61326-1: 2006	
Safety requirements	EN 61010-1: 2010 (Pollution degree 2, overvoltage category II)	

HOUSING

Housing type	Suitable for flush-panel mounting.	
Dimensions	W77xH35xD71mm	
Weight	EI1410-230VAC	Approx. 190g (after packing)
	EI1410-24 and EI1410-12	Approx. 110g (after packing)
Enclosure material	Self extinguishing plastics.	



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

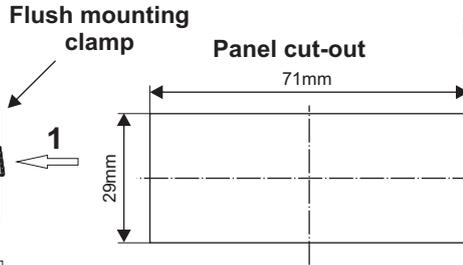
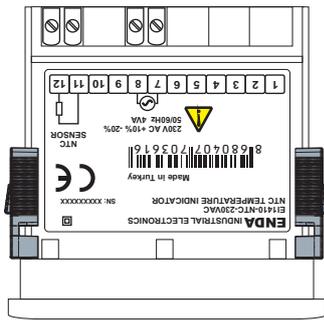
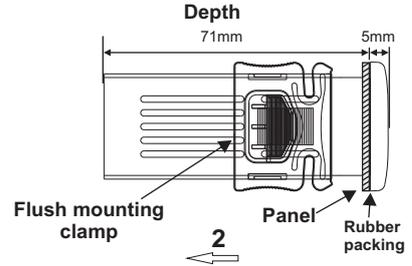


When alarm case happens, process value flashes.

DIMENSIONS



To remove the device from panel:
 - While pushing the the flush-mounting clamp in direction 1, pull out it in direction 2.

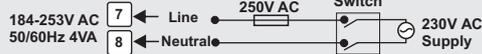


Note : 1) Panel thickness should be maximum 7 mm.
 2) If there is no 60mm free space at the back side of the device, it would be difficult to remove it from the Panel.

- Equipment is protected throughout by DOUBLE INSULATION.
- Holding screw 0.4-0.5Nm

NOTE :

SUPPLY:



Fuse should be connected.

Cable size: 1,5mm²

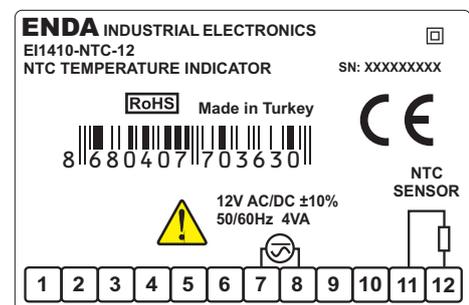
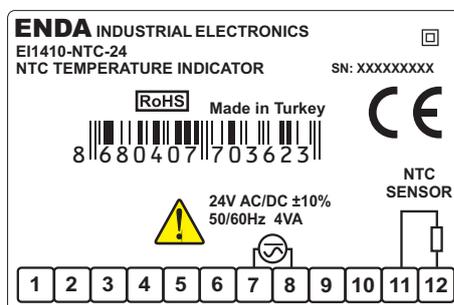
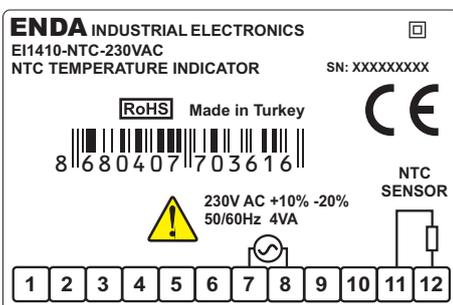
1) Mains supply cords shall meet the requirements of IEC 60227 or IEC 60245.

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.

CONNECTION DIAGRAM



ENDA EI1410 is intended for installation in control panels. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. 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. Make sure that the operation temperature is not exceeded. All input and output lines that are not connected to the supply network must be laid out as shielded and twisted cables. These cables should not be close to the power cables or components. The installation and electrical connections must be carried out by a qualified staff and must be according to the relevant locally applicable regulations.

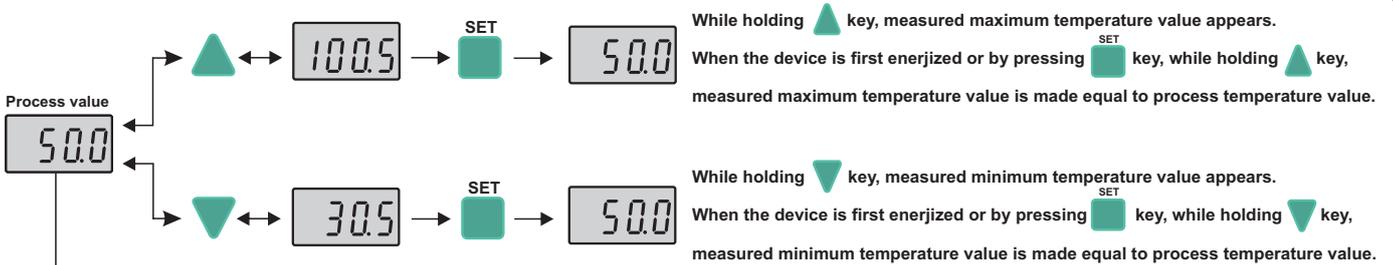


EI1410 PROGRAMMING DIAGRAM



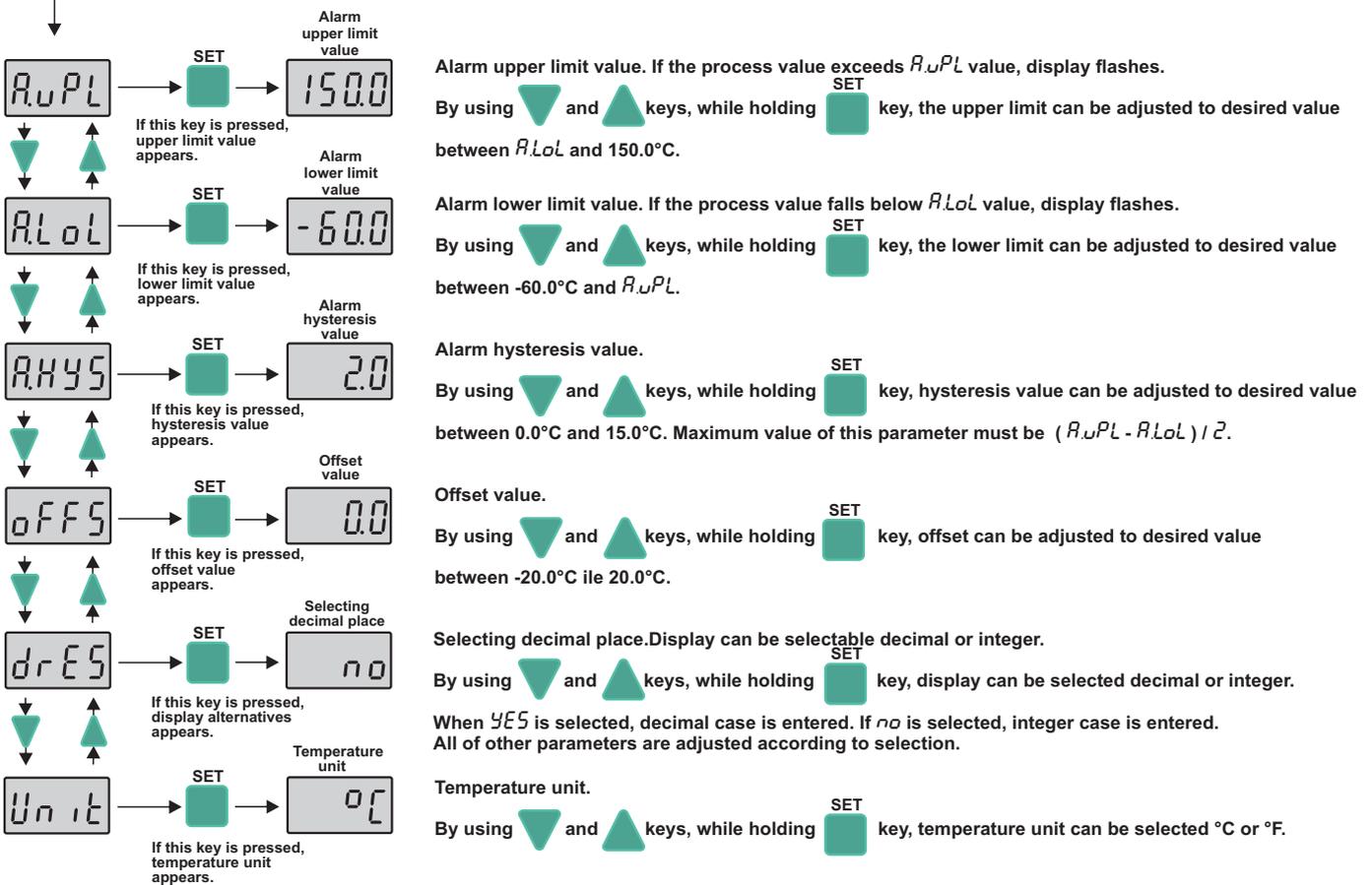
- Increment key** Used for changing parameters and increasing the setpoint value. When held down for a few seconds, the change rate accelerates.
- Decrement key** Used for changing parameters and decreasing the setpoint value. When held down for a few seconds, the change rate accelerates.
- Programming key** Used for displaying value of the selected parameter and adjusting the selected parameter.

RUN MODE



If both & keys are pressed and held for 3 seconds, programming mode is entered or run mode is returned.

PROGRAMMING MODE



If no key is pressed within 20 seconds, the device will time out back to the run mode. Alternatively, re-energizing the device, run mode is entered.

ERROR MESSAGES

