

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. CAL Controls 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

CAL EI1410 NTC TEMPERATURE INDICATOR

Thank you for choosing the CAL EI1410 NTC temperature indicator.

- * 77 x 34mm 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.

- 22.0	°C SET V
CAL	EI 1410

Supply Voltage	Order Code
230V AC +%10 -%20	EI1410-230VAC
12V AC/DC ±%10	EI1410-12
24V AC/DC ±%10	EI1410-24

TECHNICAL SPECIFICATIONS

ENVIRONMENTAL CONDITIONS		
Ambient/storage temperature	0 +50°C/-25 70°C	
Max. relative humidity	80% up to 31°C decreasing linearly 50% at 40°C .	
Rated pollution degree	According to EN 60529 Front panel: IP60 , Rear panel: IP20	
Height	Max. 2000m	
Do not use the device in locations subject to corresive and flammable cases		



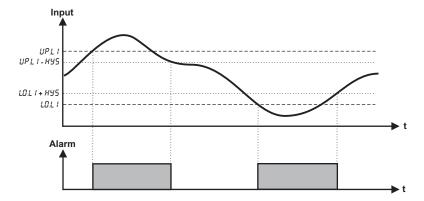
Do not use the device in locations subject to corrosive and flammable gases.

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. 5 VA			
Wiring	2.5mm² screw-terminal connections			
Scale	Decimal Integer	-50.0°C110.0°C -50°C110°C		
Sensitivity	0.1°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)			

HOUSING			
Housing type	Suitable for panel mounting.		
Dimensions	W77xH34xD70mm		
Weight	EI1410-230 Approx. 250g (after packing) EI1410-24 Approx. 150g (after packing)		
Enclosure material	Self extinguishing plastics.		
While cleaning	the device solvents (thinner henzing acid etc.) or corresive materials must not be used		

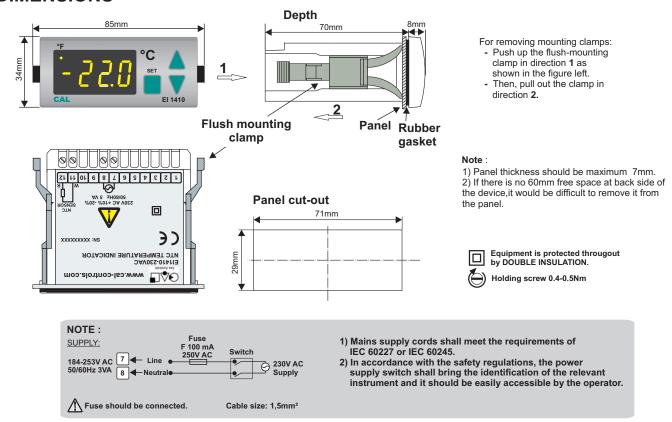
While cleaning the device, solvents (thinner, benzine, acid etc.) or corrosive materials must not be used.

EI1410-E-03



When alarm case happens, process value flashes.

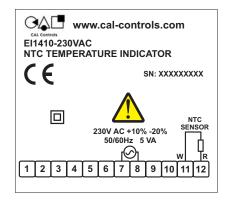
DIMENSIONS

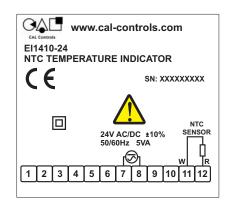


CONNECTION DIAGRAM



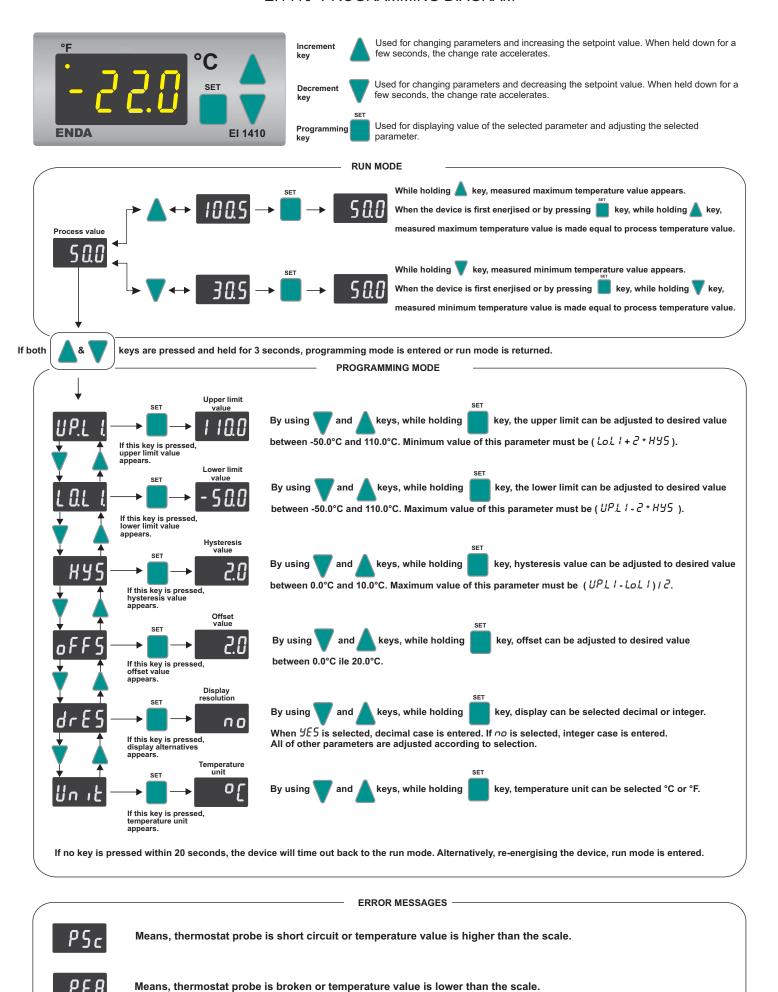
CAL EI1410 is intended for installation in control panels. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. During an installation, all of the cables that are connected to the device must be free of electrical power. The device must be protected against inadmissible humidity, vibrations, severe soiling and 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 qualified staff and must be according to the relevant locally applicable regulations.





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EI1410 PROGRAMMING DIAGRAM



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