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 EI741A PROGRAMMABLE INDICATOR

Thank you for choosing ENDA EI741A INDICATOR.

- * 72x72mm sized.
- * 4 digits display.
- * Easy to use by front panel keypad.
- * Display scale can be adjusted between -1999 and 4000.
- * Decimal point can be adjusted between 1. and 3. digits.
- * Measurement unit can be displayed.
- * Selectable four different standard input types (0-20mA, 4-20mA, 0-1V, 0-10V)
- * User can calibrate the device according to specified input type.
- * Sampling time can be adjusted in four steps.
- * Stores maximum and minimum measurement values.
- * The maximum or the minimum values can be hold on the display.
- * Current and voltage calibration can be performed.
- * Parameter access protection on 3 levels.
- * Easy connection by removable screw terminal.
- * CE marked according to European Norms.



1 - Supply Voltage

230VAC...230V AC 24VAC....24V AC SM......9-30V DC / 7-24V AC 2 - Auxiliary Supply OUT

AS......12V DC 50mA (unregulated) AS08....8V DC 50mA (regulated) AS05....5V DC 50mA (regulated)

None....No auxiliary supply out







TECHNICAL SPECIFICATIONS

ENVIRONMENTAL CONDITIONS						
Ambient/storage temperature	0 +50°C/-25 +70°C (with no icing)					
Max. relative humidity	80% Relative humidity for temperatures up to 31°C, decreasing linearly to 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 gases.						

ELECTRICAL CHARACTERISTICS				
ELECTRICAL CHARACTERISTICS				
Supply	230V AC +10% -20%, 50/60Hz or 24V AC ±10%, 50/60Hz or optional 9-30V DC / 7-24V AC ±10% SMPS			
Power consumption	Max. 7VA			
Wiring	2.5mm² screw-terminal connections			
Date retention	EEPROM (Min. 10 years)			
EMC	EN 61326-1: 2006			
Safety requirements	EN 61010-1: 2010 (pollution degree 2, overvoltage category II, measurement category I)			
	EI741A cannot be used if measurement category II, III or IV is required.			

Input type	Measurement range		Measurement accuracy	Input empedance
	Min.	Max.		
0-1V DC voltage	0V	1.1V	±0,5% (of full scale)	Approx. 11k Ω (terminal voltage limits: min. = -2V, max. = 30V)
0-10V DC voltage	0V	14V	±0,5% (of full scale)	Approx. 11k Ω (terminal voltage limits: min. = -2V, max. = 30V)
0-20mA DC current	0mA	25mA	±0,5% (of full scale)	Approx. 5Ω (applicable terminal voltage is max. 50mA.)
4-20mA DC current	0mA	25mA	±0,5% (of full scale)	Approx. 5Ω (applicable terminal voltage is max. 50mA.)



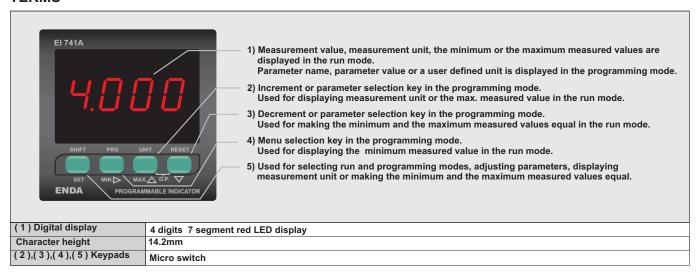
While the current measuring mode, input impedance becomes 5Ω . Therefore, in current mode, the device must not be connected any voltage input. Otherwise, the device is broken. While the device is running in the voltage measurement mode and if required to change to current measurement mode, then firstly the voltage inputs must be removed and after that, input type must be changed to one of the current measurement modes.

OUTPUTS			
Auxiliary power supply	12V DC, max. 50mA (unregulated) or 8V DC, max. 50mA (regulated) or 5V DC max. 50mA (regulated)		
HOUSING			
Housing type	Suitable for flush-panel mounting according to DIN 43 700.		
Dimensions	W72xH72xD97mm		
Weight	Approx. 350g (after packing)		
Enclosure material	Self extinguishing plastics		
While cleaning the device, solvents (thinner, benzine, acid etc.) or corrosive materials must not be used.			

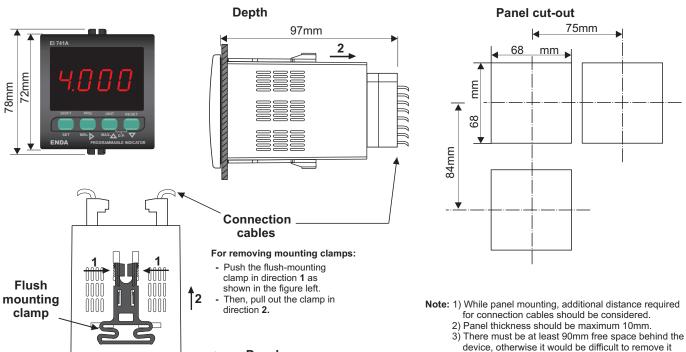
SİSEL MÜHENDİSLİK ELEKTRONİK SAN. VE TİC. A.Ş. Yukarı Dudullu Barbaros Cad. Kutup Sok. No:18 34775 ÜMRANİYE/İSTANBUL-TÜRKİYE Tel: +90 216 499 46 64 Pbx. Fax: +90 216 365 74 01

url : www.enda.com.tr 1/3 EI741A-E-09-R-201401

TERMS



DIMENSIONS



Panel

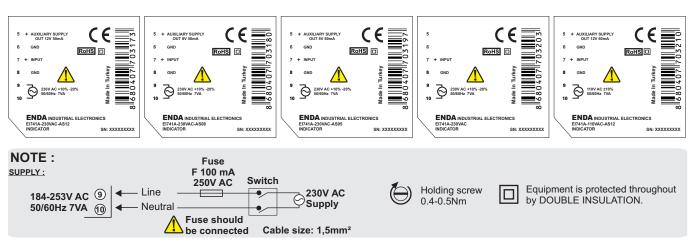
Rubber packing



CONNECTION DIAGRAM

ENDA EI741A 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 on by a qualified staff and must be according to the relevant locally applicable regulations.

from the panel.



Note: 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.

