



Read this document carefully before using this device. The guarantee will be expired by device damages 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 EI4430 PROGRAMMABLE INDICATOR

Thank you for choosing ENDA EI4430 programmable indicator.

- ▷ 48 x 48mm sized.
- ▷ 0-20mA, 4-20mA, 0-10V, 2-10V Input selection.
- ▷ Display scale can be adjusted between -1999 and 4000.
- ▷ Decimal point can be adjusted between 0 and 0.000.
- ▷ Adjustable input noise filtering.
- ▷ RS485 Modbus RTU communication protocol feature (Please specify at order).
- ▷ CE marked according to European Norms.

Order Code : EI4430 - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	
1	2
<b>1 - Supply Voltage</b> 230VAC.....90 - 250V AC 24VAC.....24V AC SM.....9-30V DC 7-24V AC	<b>2 - Isolated Modbus</b> RS.....RS485 Modbus Available (Optional / Specify at order) Blank.....N/A



### TECHNICAL SPECIFICATIONS

Input Type	Scale Range	Accuracy
0-20mA current	-1999...+9999 (Max. scale range 10000)	± 0,2% (of full scale) ±1 Digit
4-20mA current	-1999...+9999 (Max. scale range 10000)	± 0,2% (of full scale) ±1 Digit
0-10V voltage	-1999...+9999 (Max. scale range 10000)	± 0,2% (of full scale) ±1 Digit
2-10V voltage	-1999...+9999 (Max. scale range 10000)	± 0,2% (of full scale) ±1 Digit

RoHS  
Compliant



### ENVIRONMENTAL CONDITIONS

<b>Ambient/Storage Temperature</b>	0 ... +50°C/-25 ... 70°C
<b>Max. Relative Humidity</b>	80% Relative humidity for temperatures up to 31°C, decreasing linearly to 50% at 40°C.
<b>Rated Pollution Degree</b>	According to EN 60529 Front panel : IP65 , Rear panel : IP20
<b>Height</b>	Max. 2000m

**⚠ KEEP AWAY device from exposed to corrosive, volatile and flammable gases or liquids and DO NOT USE the device in similar hazardous locations.**

### ELECTRICAL CHARACTERISTICS

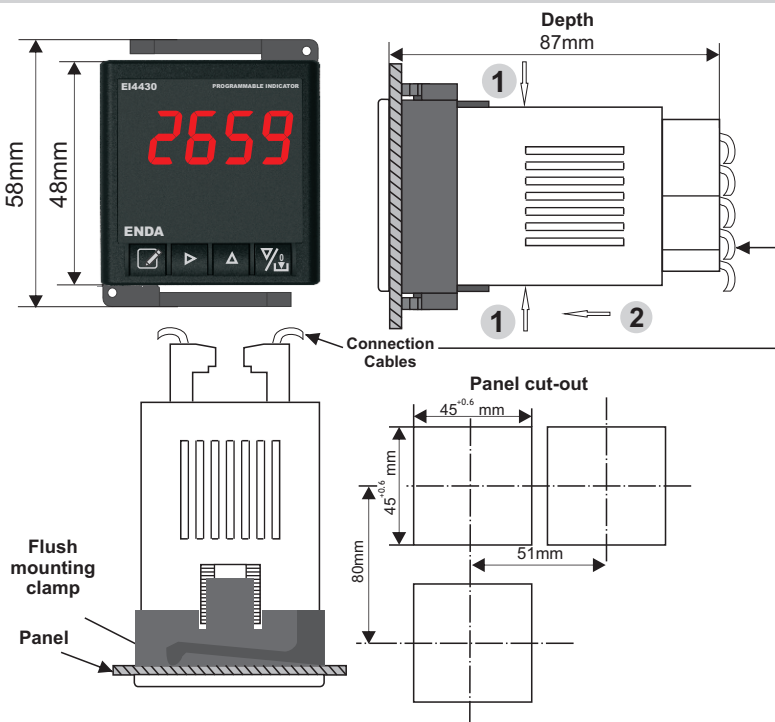
<b>Supply</b>	90-250V AC , 50/60Hz or 24V AC ±10%, 50/60Hz or 9-30V DC / 7-24V AC ±10% SMPS
<b>Power consumption</b>	Max. 5VA
<b>Wiring</b>	Power terminal : 2.5mm <sup>2</sup> screw-terminal connections. Signal terminal : 1.5mm <sup>2</sup> screw-terminal connections.
<b>Date retention</b>	EEPROM (Min. 10 years).
<b>EMC</b>	EN 61326-1: 2013.
<b>Safety requirements</b>	EN 61010-1: 2010 (Pollution degree 2, overvoltage category II).

### HOUSING

<b>Housing type</b>	Suitable for flush-panel mounting according to DIN 43 700
<b>Dimensions</b>	W48xH48xD87mm.
<b>Weight</b>	Approx. 230g (after packaging)
<b>Enclosure material</b>	Self extinguishing plastics.

**⚠ Avoid any liquid contact when the device is switched on. DO NOT clean the device with solvent (thinner, gasoline, acid etc.) and / or abrasive cleaning agents.**

### DIMENSIONS



#### For removing mounting clamps ;

- Push the device in direction **1** as shown in the figure.
- Then pull out the device in direction **2**.

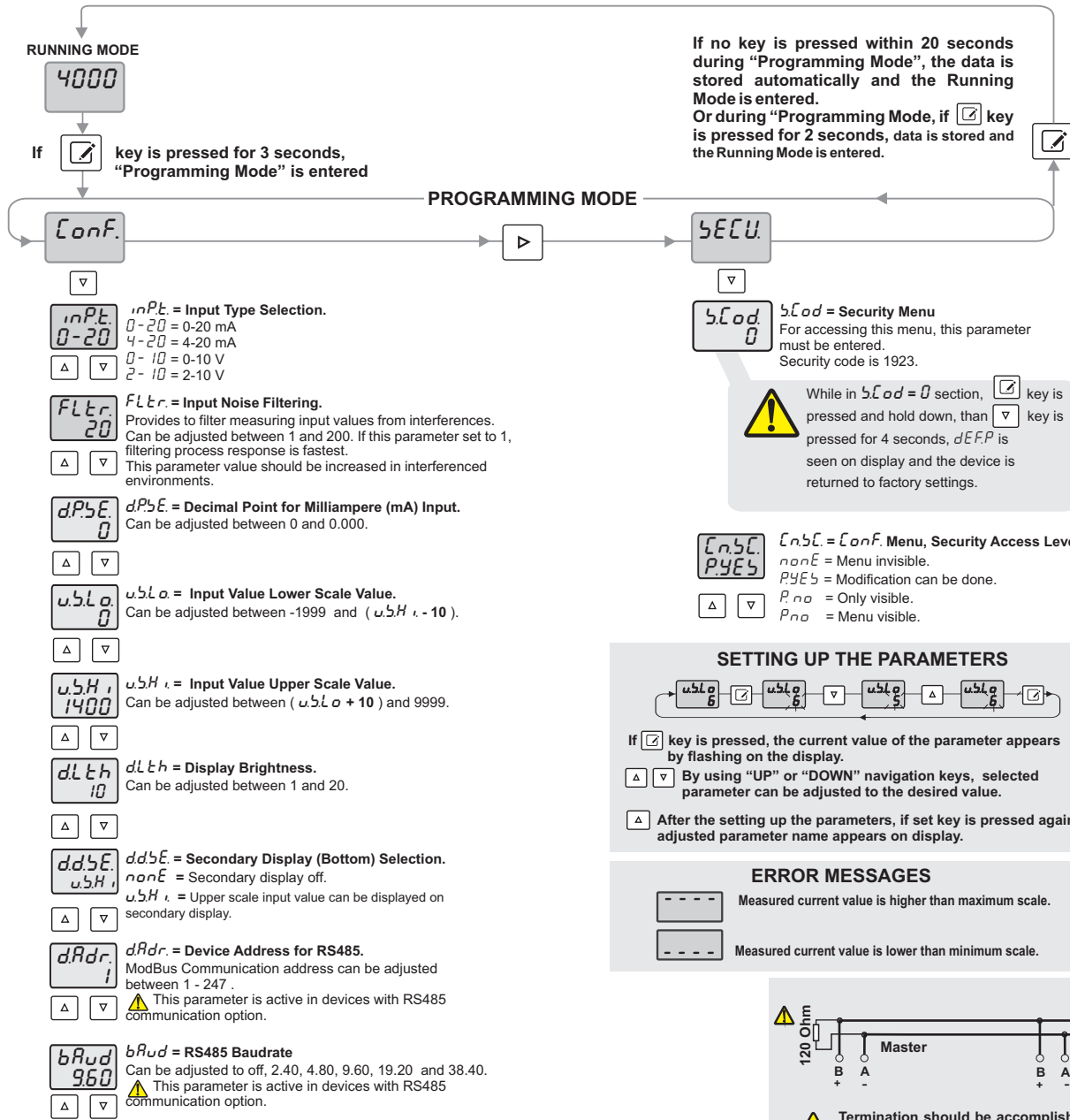
#### Note :

- 1) While performing panel mounting, additional space should be allocated for cables.
- 2) Panel thickness should be maximum **9mm**.
- 3) If there is no **100mm** free space at back side of the device, it would be difficult to remove it from the panel.

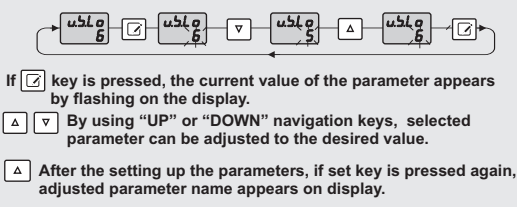


**ENDA EI4430** is intended for installation within control panels. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. During an installation, all of the cables that are connected to the device must be free of electrical power. The device 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.

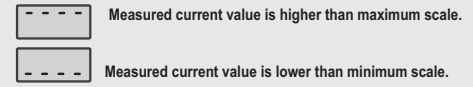
## PROGRAMMING DIAGRAM



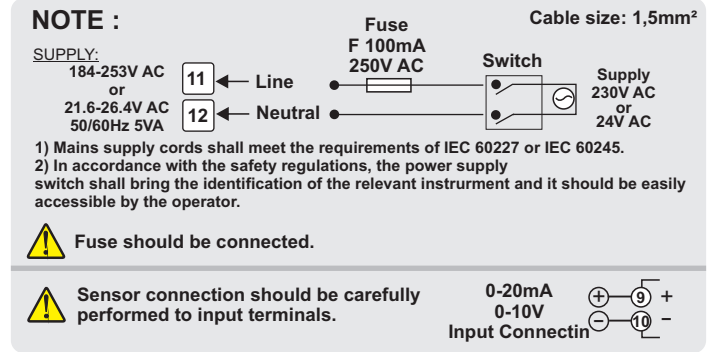
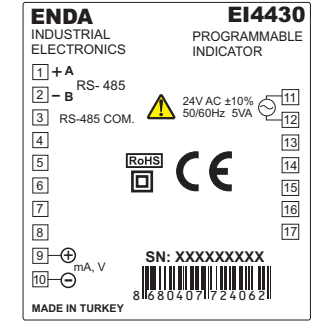
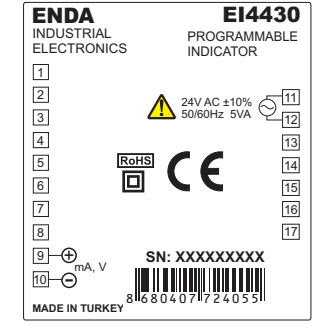
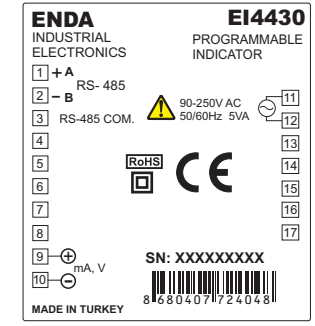
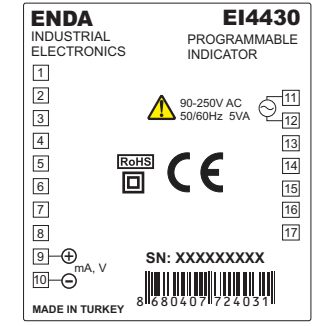
### SETTING UP THE PARAMETERS



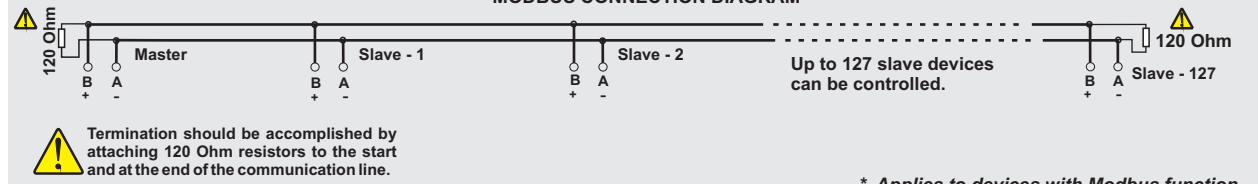
### ERROR MESSAGES



## CONNECTION DIAGRAM



### \* MODBUS CONNECTION DIAGRAM



\* Applies to devices with Modbus function.



SISEL MÜHENDİSLİK ELEKTRONİK SAN. VE TİC. A.Ş.  
 Şenfali Mah. Barbaros Cad. No:18 Y.Dudulu 34775  
 ÜMRANIYE/İSTANBUL-TURKEY  
 Tel : +90 216 499 46 64 Pbx. Fax : +90 216 365 74 01  
 url : www.enda.com.tr

