

Read this document carefully before using this device. The guarantee will be expired by device demages 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 El4430 programmable indicator.

48 x 48mm sized. 0-20mA, 4-20mA, 0-10V, 2-10V Input selection. EI4430 PROGRAMMABLE INDICATOR 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 : El4430 -2 1 - Supply Voltage 230VAC....90 - 250V AC 24VAC.....24V AC 2 - Isolated Modbus RS.RS485 Modbus Available (Optional / Specify at order) ENDA 9-30V DC SM Blank N/A 7-24V AC 7₽ Δ **TECHNICAL SPECIFICATIONS** Scale Range Input Type Accuracy -1999...+9999 (Max. scale range 10000) ± 0,2% (of full scale) ±1 Digit 0-20mA current 4-20mA current -1999...+9999 (Max. scale range 10000) ± 0,2% (of full scale) ±1 Digit **R**_NHS 0-10V voltage -1999...+9999 (Max. scale range 10000) ± 0,2% (of full scale) ±1 Digit Compliant 2-10V voltage -1999...+9999 (Max. scale range 10000) ± 0,2% (of full scale) ±1 Digit ENVIRONMENTAL CONDITIONS Ambient/Storage Temperature 0 ... +50°C/-25 ... 70°C 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 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 Supply 90-250V AC , 50/60Hz or 24V AC ±10%, 50/60Hz or 9-30V DC / 7-24V AC ±10% SMPS Power consumption Max. 5VA Wiring Power terminal : 2.5mm² screw-terminal connections. Signal terminal : 1.5mm² screw-terminal connections EEPROM (Min. 10 years). Date retention EMC EN 61326-1: 2013 Safety requirements EN 61010-1: 2010 (Pollution degree 2, overvoltage category II). HOUSING Housing type Suitable for flush-panel mounting according to DIN 43 700 Dimentions W48xH48xD87mm. Weight Approx. 230g (after packaging) Self extinguishing plastics. **Enclosure material** 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. Depth 87mm For removing mounting clamps ; 1 - Push the device in direction 1 as shown in the figure - Then pull out the device in direction 2 48mm 58mm Note : 1) While performing panel mounting, additional space should be allocated for cables. 7€ Δ 2) Panel thickness should be maximum 9mm. 3) If there is no 100mm free space at back 2 side of the device, it would be difficult to 1 remove it from the panel. Connection Cables Panel cut-out ENDA EI4430 is intended for installation within 45 mm control panels. Make sure that the device is used only for intended purpose. The shielding ШШ During an must be grounded on the instrument side. installation, all of the cables that are connected to the 42^{-0.6} device must be free of electrical power. The device must be protected against inadmissible humidity, vibrations, Flush 80mm 51mm mounting severe soiling. Make sure that the operation temperature is not exceeded. All input and output lines that clamp are not connected to the supply network must be laid out as shielded and twisted cables. These cables should not be Panel close to the power cables or components. The installation and electrical connections must be carried out by a qualified

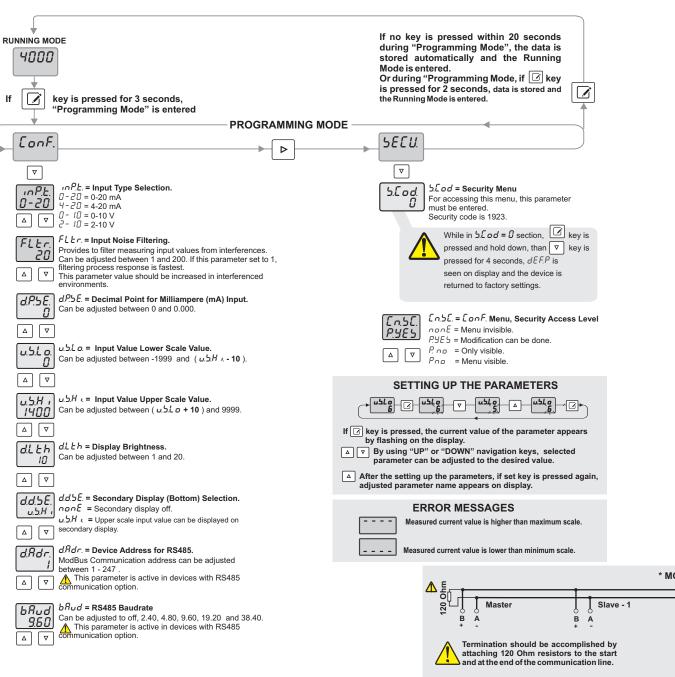


staff and must be according to the relevant locally

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applicable regulations.





ENDA EI4430 EI4430 ENDA INDUSTRIAL ELECTRONICS PROGRAMMABLE INDUSTRIAL PROGRAMMABLE ELECTRONICS INDICATOR INDICATOR 1 1 + A . RS- 485 2 **– B** 2 ⊖<mark>11</mark> 12 9¹¹ 12 90-250V AC 90-250V AC 3 50/60Hz 5VA 3 RS-485 COM. 4 13 14 15 13 5 5 14 E RoHS 6 6 15 7 16 7 16 17 8 8 17 9-⊕ SN: XXXXXXXXX 9-0 SN: XXXXXXXXX 10-O 10-O MADE IN TURKEY MADE IN TURKEY ENDA EI4430 **ENDA** EI4430 INDUSTRIAL PROGRAMMABLE INDUSTRIAL PROGRAMMABLE ELECTRONICS ELECTRONICS INDICATOR INDICATOR 1 1 + A RS- 485 2 **– B** 2 24V AC ±10% 50/60Hz 5VA A 24V AC ±10% 50/60Hz 5VA 12 3 3 RS-485 COM. 4 4 13 13 5 5 RoHS 14 RoHS 14 6 6 15 15 7 16 7 16 8 8 17 17 9-⊕ 9–⊕ SN: XXXXXXXXX SN- XXXXXXXXX nA 1 $10 - \Theta$ 10-Θ MADE IN TURKEY MADE IN TURKEY NOTE : Cable size: 1.5mm² Fuse F 100mA SUPPLY: Switch 250V AC 184-253V AC 11 Supply – Line or 230V AC 6 21.6-26.4V AC or 24V AC 12 - Neutral 50/60Hz 5VA 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. Fuse should be connected. 0-20mA Sensor connection should be carefully Æ 0-10V performed to input terminals. Input Connectin Equipment is protected throughout by Holding screw 0.4-0.5Nm. DOUBLE INSULATION * MODBUS CONNECTION DIAGRAM ⚠ 120 Ohm Slave - 2 Up to 127 slave devices Slave - 127 Ĕ can be controlled.

* Applies to devices with Modbus function.

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CONNECTION DIAGRAM

