

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 EDP 741C DIGITAL POTENTIOMETER

Thank you for choosing ENDA EDP 741C potentiometer.

#### \* 72x72mm sized.

- \* 4 digits display. \* Easy to use by front panel keypad.
- \* Display scale can be adjusted between -1999 and 8000.
- \* Decimal point can be adjusted between 1. and 3. digits.
- \* 0-20mA output with adjustable minimum and maximum values.
- \* 'Soft on' and 'soft off' properties can be selected.
- \* Parameter access protection on 3 levels.
- \* Easy connection by removable screw terminal.
- \* CE marked according to European Norms.

Order Code : EDP741C-

**Output Type** 0-20mA Supply Voltage 230VAC...230V AC 24VAC.....24V AC SM.....9-30V DC / 7-24V AC



**R**<sub>8</sub>HS F Compliant

### **TECHNICAL SPECIFICATIONS**

ENVIRONMENTAL CONDITIONS		
Ambient/storage temperature	0 +50°C/-25 +70°C (with no icing)	
Max. relative humidity	80% up to 31°C decreasing linearly 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		
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	2.5mm <sup>2</sup> 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)	

OUTPUT		
0-20mA output	Maximum 20mA, digitally adjusted potentiometer output. Resolution : 2μA Fluctuation : Maximum 0,1mA Rise time from 0 to 20mA is maximum 300ms	

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.		

## TERMS

EDP 741	<ol> <li>Adjusted potentiometer value is seen in run mode Parameter name, value or its unit in programming mode.</li> <li>Increment key during run mode. Increment or parameter selection key during programming mode.</li> <li>Decrement key during run mode. Decrement or parameter selection key during programming mode.</li> <li>Used for selecting menus in programming mode.</li> <li>Used for selecting run or programming modes and for adjusting parameters.</li> </ol>	
(1)Digital display	4 digits 7 segment red LED display	
Character height	14.2mm	
( 2 ),( 3 ),( 4 ),( 5 ) Keypad	Micro switch	

#### DIMENSIONS



## **CONNECTION DIAGRAM**



ENDA EDP 741 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 energy. 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 on by a qualified staff and must be according to the relevant locally applicable regulations.





- 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.

