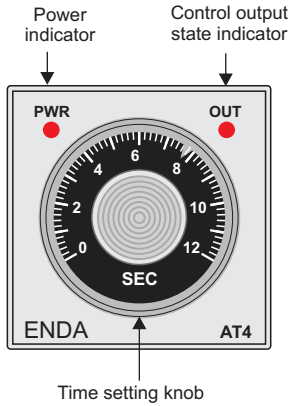




Read this document carefully before using this device. The guarantee will be expired by damaging of the device if you don't attend to the directions in the user manual. Also we don't accept any compensations for personal injury, material damage or capital disadvantages.

# ENDA AT4 ANALOG TIMER

Thank you for choosing ENDA AT4 analog timer.



- \* 48\*48mm sized.
- \* Start by supply voltage.
- \* Instantaneous contact output by start (OUT1).
- \* Control output for timing function (A mode) with on-delay operation (OUT2).
- \* 8 pin octal connector or screw-terminal connection.
- \* CE marked according to European Norms.



Order Code : AT4---

### 1 - Connection Type

- K.....Screw Terminal
- None...Octal Connector

### 3 - Time Ranges

- 1S2.....0 .. 1.2 seconds
- 3S.....0 .. 3 seconds
- 12S.....0 .. 12 seconds
- 30S.....0 .. 30 seconds
- 60S.....0 .. 60 seconds
- 12M.....0 .. 12 minutes
- 30M.....0 .. 30 minutes
- 60M.....0 .. 60 minutes
- 3H.....0 .. 3 hours
- 12H.....0 .. 12 hours

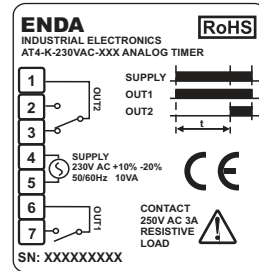
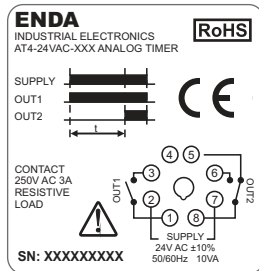
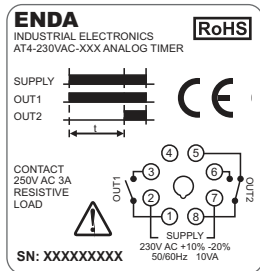
### 2 - Supply Voltage

- 230VAC.....230V AC
- 24VAC.....24V AC
- 24VDC.....24V DC

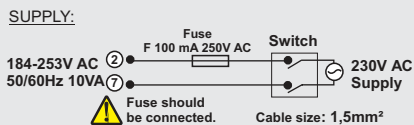
## Connection Diagram



ENDA AT4 is intended for installation in control panels. Make sure that the device is used only for intended purpose. The electrical connections must be carried on by a qualified staff and must be according to the relevant locally applicable regulations. 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 shielding must be grounded on the instrument side.



### NOTE :



- 1) Mains supply cords shall meet the requirements of IEC 60799 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.

## 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	Maximum 2000m
⚠ Do not use the device in locations subject to corrosive and flammable gasses.	

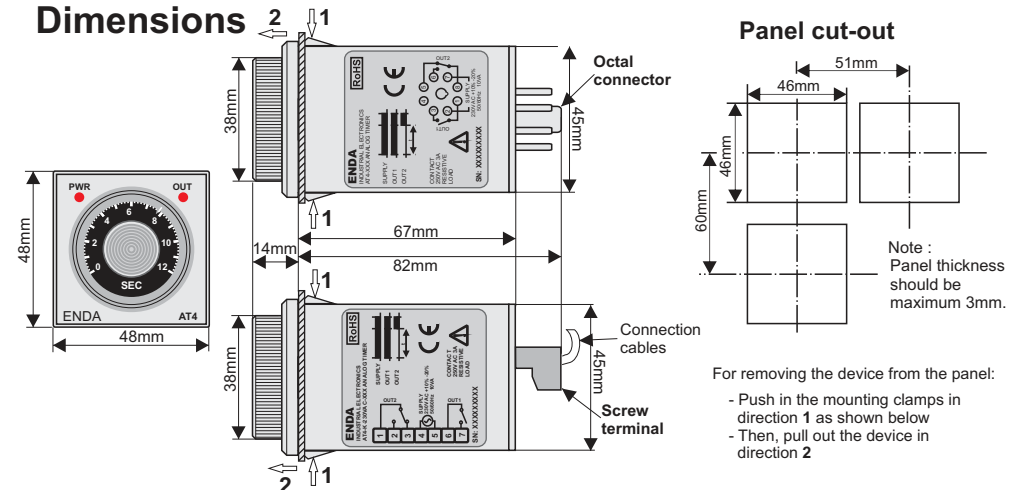
ELECTRICAL CHARACTERISTICS	
Supply voltage	230V AC +10% -20%, 50/60Hz or 24V AC ±10%, 50/60Hz or 24V DC ±10%
Power consumption	Maximum 10VA
Connection	8-pins octal connector or 2.5mm <sup>2</sup> screw-terminal connections.
Scale	1.2, 3, 12, 30, 60 seconds; 3, 12, 30, 60 minutes; 3, 12 hours.
Reset time	Max. 0.5 seconds
Accuracy	±10% (of full scale)
EMC	EN 61326-1: 1997, A1: 1998, A2: 2001 (Performance criterion B is satisfied for EMC tests.)
Safety requirements	EN 61010-1: 2001 (Pollution degree 2, overvoltage category II)

OUTPUTS	
Instantaneous contact (OUT1)	Relay: 250V AC, 3A (for resistive load), NO
Control output (OUT2)	Relay: 250V AC, 3A (for resistive load), NO+NC
Life expectancy for relay	Mechanical 30.000.000 operation; electrical 300.000 operation
Control output state	While control output is energized, OUT LED is on.

CONTROL	
Timing function	Power on-delay operation (A mode).
Start	By supply voltage.
Reset	Time resets when supply voltage goes off.

HOUSING	
Housing type	Suitable for flush-panel mounting.
Dimensions	W48xH48xD82mm
Weight	Approx. 90g (after packing)
Enclosure material	Self extinguishing plastics.
⚠ While cleaning the device, solvents (thinner, benzine, acid etc.) or corrosive materials must not be used.	

## Dimensions



- For removing the device from the panel:
- Push in the mounting clamps in direction 1 as shown below
  - Then, pull out the device in direction 2