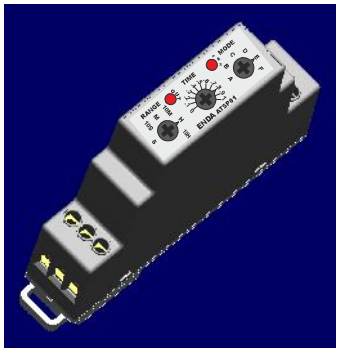
Read this document carefully before using this device. The guarantee will be expired by damaging of the device if you don't attend to the directions in the user manual. Also we don't accept any compensations for personal injury, material damage or capital disadvantages.

ENDA ATSP01 Rail Mountable Multi Functional Analog Timer

Thank you for choosing ENDA ATSP01 rail mountable multi functional analog timer.



* Start by supply voltage
* Contact output (OUT) for the timing function
* 6 different timing mode (A,B,C,D,E,F)
* 6 different timing unit (S, 10S, M, 10M, H, 10H)
* Rail mountable
* Screw-terminal connection
* CE marked according to European norms

RoHS Compliant

ORDER CODE ATSP01 - xV

Product basic code
Rail mountable multi functional analog timer

Supply voltage	
UV	90-250V AC
LV	24V AC/DC

Technical Specifications

ENVIRONMENTAL CONDITIONS	
Ambient/storage temperature	0 ... +50°C/-25 ... +70°C (in the environment icing and condensation should not be.)
Max. relative humidity	80%, up to 31°C decreasing linearly 50% at 40°C
Rated pollution degree	IP20, According to EN 60529
Height	Max. 2000m

Do not use the device in locations subject to corrosive and flammable gasses.

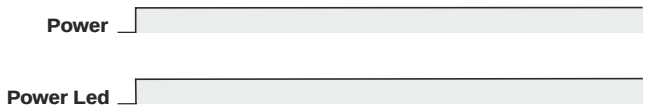
ELECTRICAL CHARACTERISTICS	
Supply voltage	90-250V AC +%10 -%20, 50/60Hz or 24V AC ±%10, 50/60Hz or 24V DC ±%10
Power consumption	Max. 10VA
Connection	Screw-terminal connection.
Scale	0-1
Reset time	For ATSP01-UV max. 0.3 seconds, for ATSP01-LV max. 0.01 seconds.
Accuracy	Depending on the effect of voltage: max %0.2 Depending on the set value settings:max %4.5 Depending on the effect of temperature :max %1
EMC	EN 61326-1: 2006
Safety requirements	EN 61010-1: 2010 (pollution degree 2, overvoltage category II)
İnsulation test voltage	3kV AC min. 1 minute, 4,2kV DC min. 1 minute.

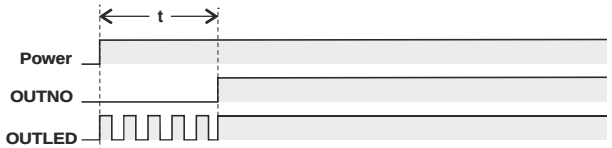
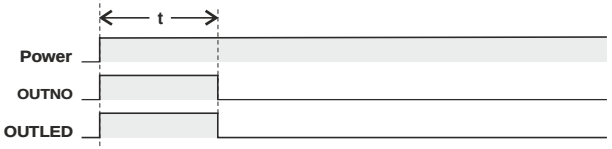
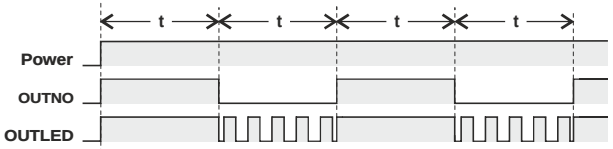
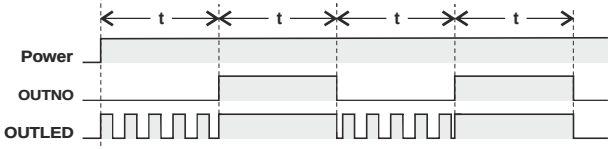
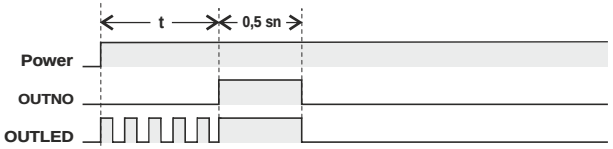
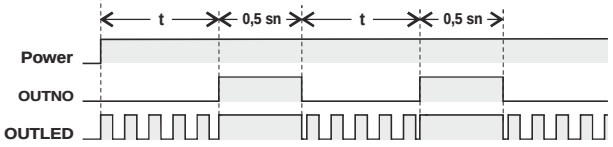
OUTPUTS	
Control outputs (OUT)	Relay: 250V AC, 8A (for resistive load), NO+NC
Life expectancy for relay	Without load 30.000.000 operation; 250V AC, 8A resistive load 100.000 operation.
Control output state	When control output is energized OUT LED becomes on.While the timer running flash.
CONTROL	
Timing function	A, B, C, D, E, F Modes (Can be selected from the device.)
Timing unit	Second, 10second, minute, 10minute, hour, 10hour (Can be selected from the device.)
HOUSING	
Mounting	Rail mountable (EN 60715, Th35)
Dimensions	W18xH84xD62mm
Weight	Approx. 90g (after packaging)
Enclosure material	Self extinguishing plastics

While cleaning the device,solvents (thinner,benzine,acid etc.) or corrosive materials must not be used.

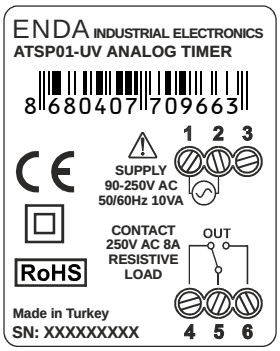
OUTPUT CONTROL

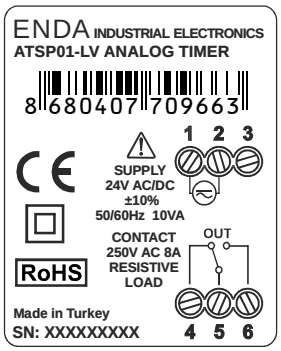
ATSP01 - xV



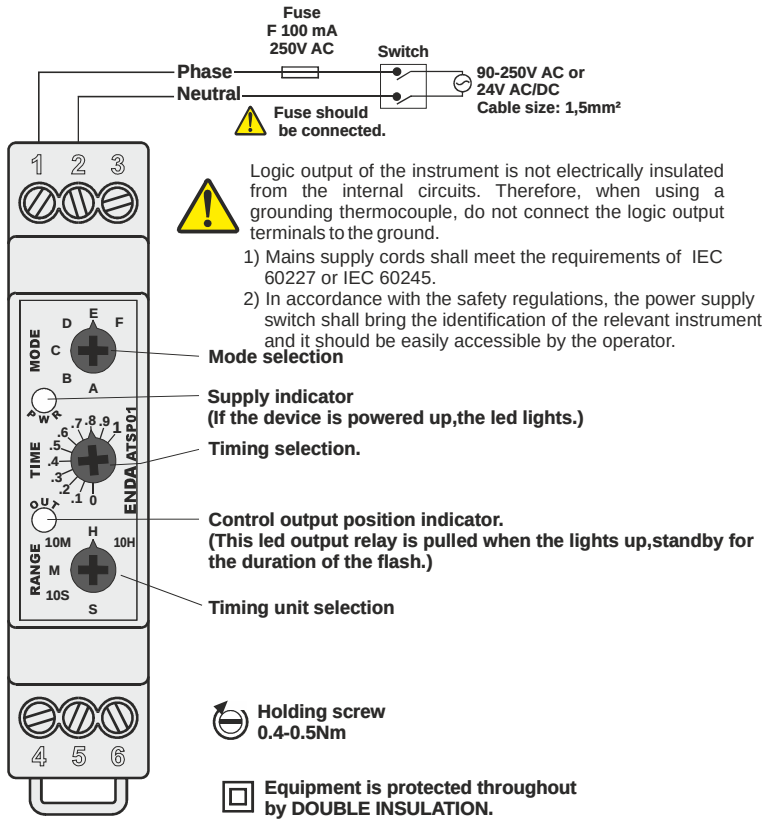
Mode (A,B,C,D,E,F)	Output Graphic (t : manipulated time)
Mode A : For the relay to trigger delayed timing	
Mode B : The relay's beginning to trigger last timing	
Mode C : Initial periodic timig for the relay's trigger	
Mode D : The relay's trigger for periodic timing	
Mode E : For the relay's trigger single pulse delay timing	
Mode F : The relay's trigger for periodic pulse timing	

CONNECTION DIAGRAM





ENDA ATPS01 series timers are rail mountable devices. 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 devicemust 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.



Logic output of the instrument is not electrically insulated from the internal circuits. Therefore, when using a grounding thermocouple, do not connect the logic output terminals to the ground.

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.

Mode selection

Supply indicator
(If the device is powered up,the led lights.)

Timing selection.

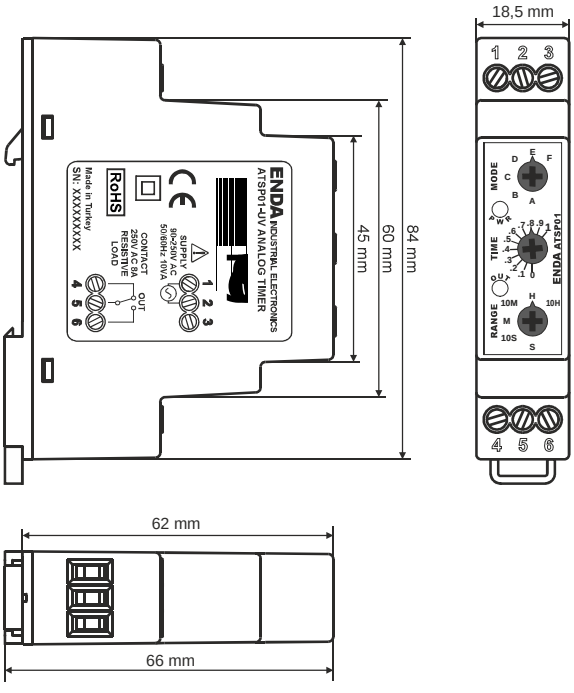
Control output position indicator.
(This led output relay is pulled when the lights up,standby for the duration of the flash.)

Timing unit selection

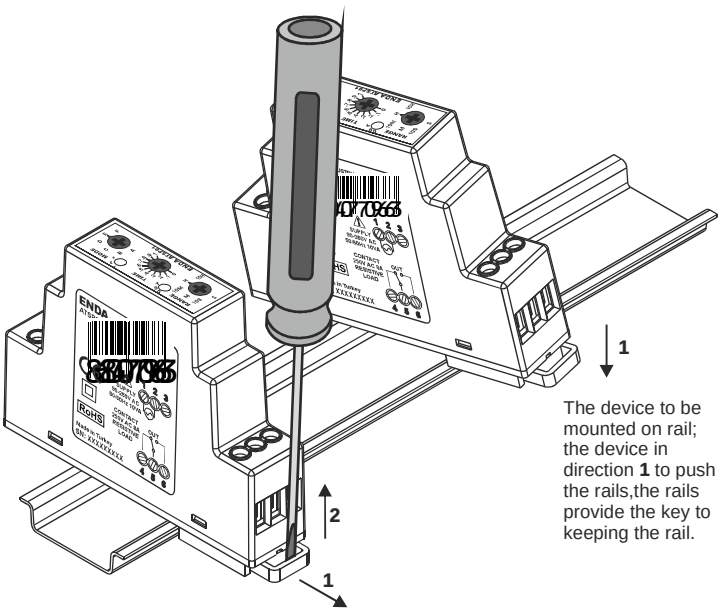
Holding screw
0.4-0.5Nm

Equipment is protected throughout by DOUBLE INSULATION.

DIMENSIONS



MONTAGE



The device to be mounted on rail; the device in direction **1** to push the rails,the rails provide the key to keeping the rail.

For removing the device from rail; push the rails lock in direction **1** with a screwdriver and pull the device in direction **2**.