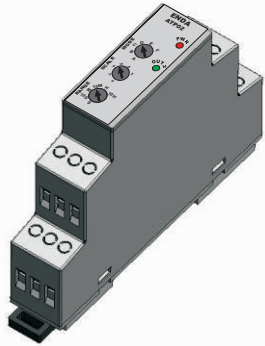




Read this document carefully before using this device. The guarantee will be expired by device damages if you don't attend to the directions in user manual. Also we don't accept any compensations for personal injury, material damage or capital disadvantages.

ENDA ATP02 Rail Mounted Multi Functional Analog Timer

Thank you for choosing ENDA ATP02 rail mounted multi functional analog timer.



- * Triggering with supply voltage
- * Trigger output (OUT1 optional - Specify at order)
- * Timing function for contact output (OUT2)
- * 6 Different timing mode (A, B, C, D, E, F)
- * 6 Different timing units (S, 10S, M, 10 M, H, 10 H)
- * OFF-Delay with control Input can be selected.
- * Rail mounted.
- * Screw-terminal connection.
- * CE marked according to European Norms

ORDER CODE

ATP02-xR-xV

Product Basic Code
Rail mounted multi
functional analog timer

Supply Voltage	
UV	90-250V AC
LV	24V AC/DC
48	48V AC

Output Relay	
1R	Single Relay
2R	Dual Relay



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, 24V DC ±%10 or 48V AC
Power consumption	Max. 10VA
Connection	Screw-terminal connection.
Scale	0-1 Desired range can be adjusted.
Reset time	Max. 0.04 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: 2012
Safety requirements	EN 61010-1: 2010 (pollution degree 2, overvoltage category II)
Insulation test voltage	3kV AC min. 1 minute, 4,2kV DC min. 1 minute.

OUTPUTS	
Control outputs (OUT1/OUT2)	Relay: 250V AC, 8A (for resistive load), NO+NC
Life expectancy for relays	Without load 10.000.000 operation; 250V AC, 10A resistive load 50.000 operation.
Control output state	OUT2 LED control output (OUT2) is lights up when device is powered and flashes as long as the timer is running.

CONTROL	
Timing function	A, B, C, D, E, F Modes can be selected.
Timing unit	Second, 10 seconds, minute, 10 minutes, hour, 10 hours can be selected.

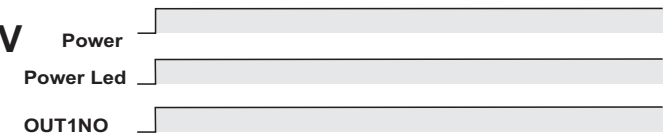
HOUSING	
Mounting	Rail mounted (EN 60715, Th35)
Dimensions	W18xH90xD66mm
Weight	Approx. 90g (after packaging)
Enclosure material	Self extinguishing plastics.



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

OUTPUT CONTROL

ATP02 - xR - xV

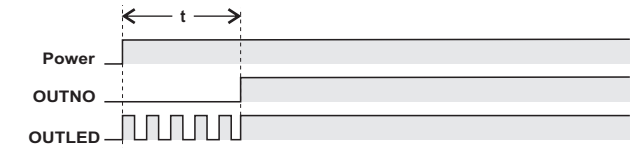


Mode (A,B,C,D,E,F)

Output Graphic (t : manipulated time)

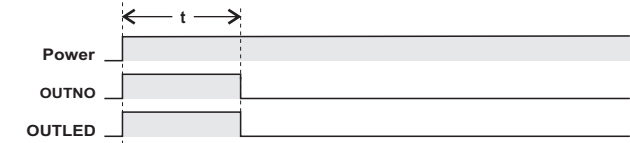
Mode A :

For the relay to trigger
delayed timing
(ON-Delay)



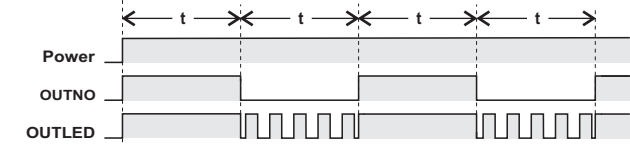
Mode B :

The relay's beginning to
trigger last timing
(ON-Power)



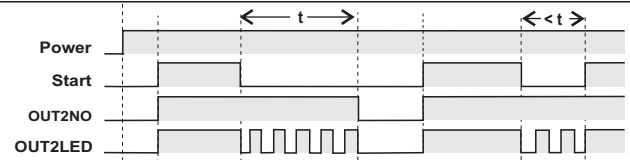
Mode C :

Initial periodic timig for
the relay's trigger



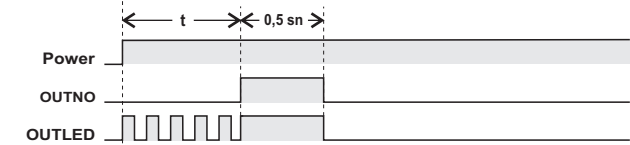
Mode D :

OFF-Delay
With Control Input



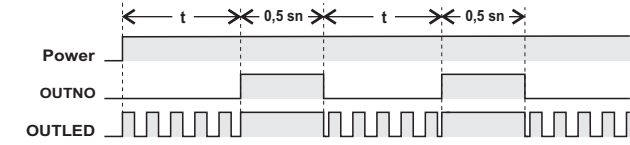
Mode E :

For the relay's trigger
single pulse delay timing



Mode F :

The relay's trigger for
periodic pulse timing

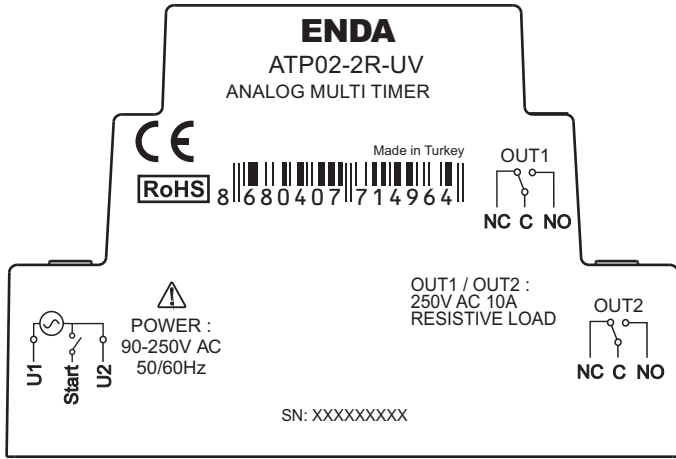


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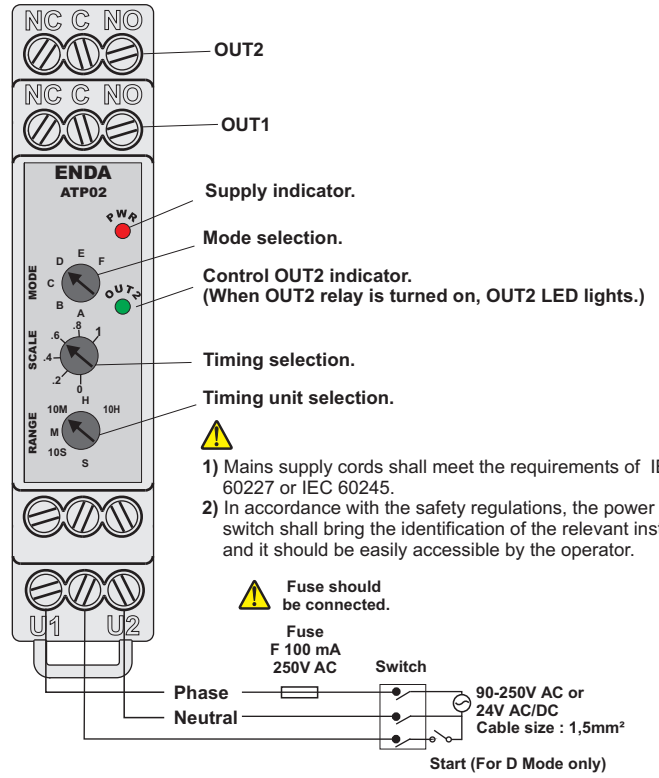


ATP02-E-02-150420

CONNECTION DIAGRAM

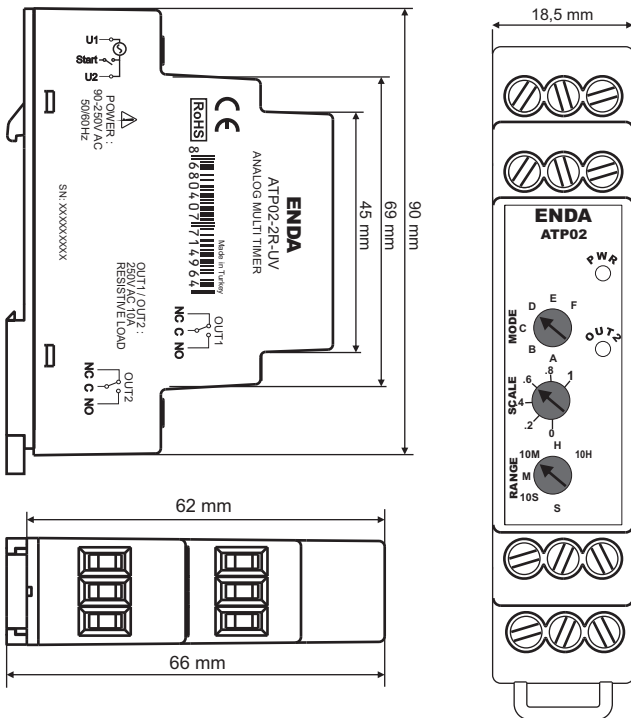


ENDA ATP02 Series timers are rail mounted devices. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. During an installation, all of the cables that are connected to the device must be free of energy. The device must be protected against 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.



Holding screw
0.4-0.5Nm.

DIMENSIONS



MONTAGE

