Eltako AVZ12DX-UC Analogue Settable Time Relay Instruction Manual

Contents

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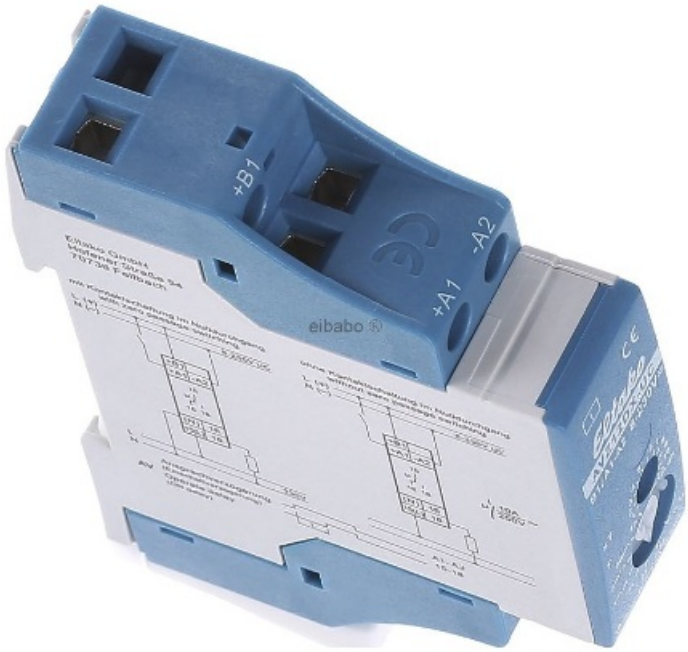
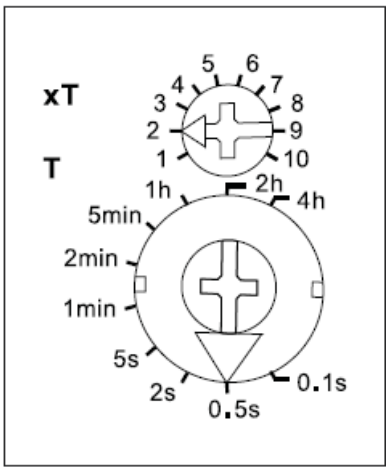


Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

- **Temperature at mounting location:** 20°C up to +50°C.
- **Storage temperature:** -25°C up to +70°C.
- **Relative humidity:** annual average value <75%.

Operate delay, 1 CO contact potential free 10 A/250 V AC. Incandescent lamps 2000 W*. Standby loss 0.02-0.4 watt only. Modular devices for DIN-EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep. With the Eltako Duplex technology (DX) the normally potential-free contacts can still switch in zero passage when switching 230 V AC 50 Hz and therefore drastically reduce wear. Simply connect the neutral conductor to the terminal (N) and L to 15 (L) for this. This gives an additional standby consumption of only 0.1 Watt. Universal control voltage 8 to 230 V UC. Supply voltage same as the control voltage. Time setting between 0.1 seconds and 40 hours. By using a bistable relay coil power loss and heating is avoided even in the on mode. The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated.

Function rotary switches

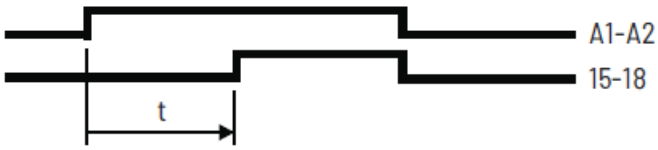


- **The LED** below the big rotary switch indicates the contact position while time-out is in progress. It blinks while the relay contact 15-18 is open (15-16 closed), and is continuously ON as long as the relay contact 15-18 is

closed (15-16 open).

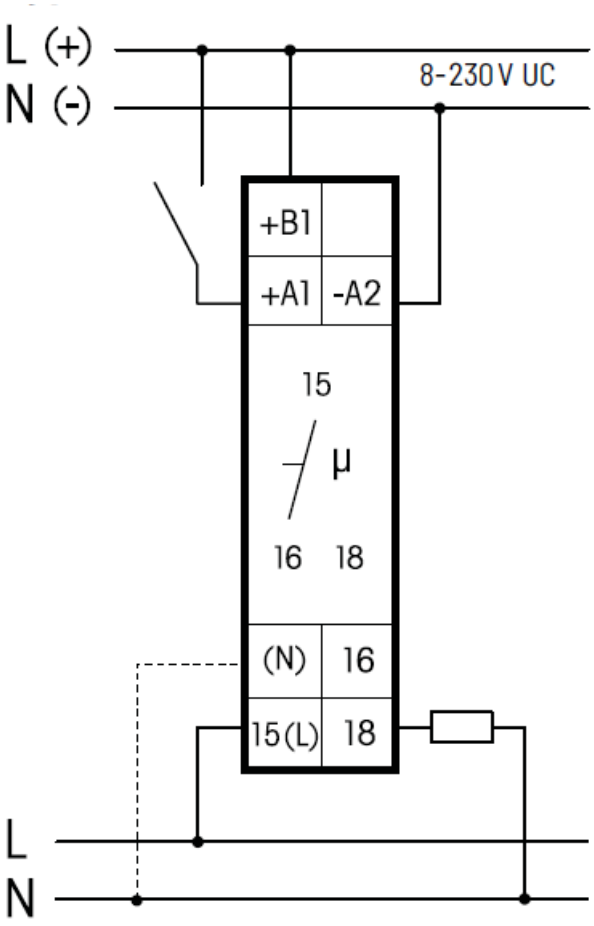
- **The time base T** is selected by means of the middle, latching rotary switch T. Time-base figures available are 0.1 seconds, 0.5 seconds, 2 seconds, 5 seconds, 1 minute, 2 minutes, 5 minutes, 1 hour, 2 hours and 4 hours. The total time is obtained by multiplying the time-base by the multiplier.
- **The multiplier xT** is set on the upper, latching rotary switch xT and is in the range from 1 to 10. Thus, time settings can be selected in the range from 0.1 seconds (time base 0.1 seconds and multiplier 1) and 40 hours (time base 4 hours and multiplier 10).
    - The maximum load can be used starting at a delay time or clock cycle of 5 minutes. The maximum load will be reduced for shorter times as follows: up to 2 seconds 15%, up to 2 minutes 30%, up to 5 minutes 60%.

AV = Operate delay (ON delay)



When the control voltage is applied the timing period is started; on time-out the relay contact changes to 15-18. After an interruption, the timing period is restarted.

Typical connection



If N is connected, the zero passage switching is active.

Technical data

Supply voltage and control voltage AC	8-253 V
Supply voltage and control voltage DC	10-230 V
Rated switching capacity	10 A/250 V AC
230 V LED lamps	up to 200 W I on ≤ 120 A / 5 ms
Incandescent lamp and halogen lamp load 230 V	2000 W I on ≤ 70 A / 10 ms

- The strain relief clamps of the terminals must be closed, which means the screws must be tightened for testing the function of the device. The terminals are open ex-works.

Must be kept for later use!
We recommend the housing for operating instructions GBA14.

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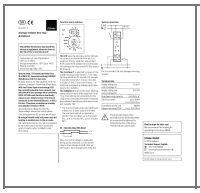
- 23/2021 Subject to change without notice.

Documents / Resources

	Eltako AVZ12DX-UC Analogue Settable Time Relay [pdf] Instruction Manual AVZ12DX-UC Analogue Settable Time Relay, AVZ12DX-UC, Analogue Settable Time Relay, Analogue Settable, Analogue Time Relay, Analogue Relay, Time Relay

References

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