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PCU-507 24V

TIMING RELAYS two-timing



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PURPOSE

Timing relays are devised to time the control of industrial and domestic automatic control engineering systems (e.g. ventilation, heating, lighting, signalling, etc.).
The setting of two independent times t_1 and t_2 (work time and interval time).

FUNCTIONING

Functions:

-DELAYED OFF-CYCLIC

To time of switching the relay, the joints remain in the positions 2-3 and 11-10. After the power supply is given then joints are switched to position 2-1 and 11-12 at the time t_1 . After the preset time t_1 joints return to the positions 2-3 and 11-10 for the time t_2 . The sequence of these switches is carried out periodically.

WORK TIME SETTINGS

By the knob of time range T_1 and T_2 set to one of chosen range and by setting time knob $T_1 \times$ and $T_2 \times$ set value from 1 to 12. Product of these values is equal work time (e.g. $1m \times 7 = 7 \text{ min}$).

WORK MODE SETTINGS

Selection of a particular function is made by jumper on terminals 7-9. Lack of jumpers - the DELAYED OFF function; put jumper between terminals - DELAYED ON function.

ATTENTION!

- With the power supply on, the system does not respond to time range setting modifications.
- The newly set time range and work mode is active after the power supply has been turned off and on.
- With the power supply on in set time range, it is possible to regulate the preset time freely within the selected time range.

TIME RANGES

0,1s:	0,1÷1,2 sec.	10m:	10÷120 min.
1s:	1÷12 sec.	2h:	2÷24 h.
10s:	10÷120 sec.	1d:	1÷12 days (24÷288 h)
1m:	1÷12 min.	2d:	2÷24 days (48÷576 h)

ON when power is ON, then joints are switched at position 11-12

OFF when power is ON, then joints are switched at position 11-10.

DESCRIPTION OF INPUTS/OUTPUTS

4-6 power supply of relay
7-9 jumper (choose of work function)

JOINT 1:

- 2 input of supply of joint (COM)
- 3 output: open joint (passive)
- 1 output: close joint (active)

JOINT 1:

- 11 input of supply of joint (COM)
- 10 output: open joint (passive)
- 12 output: close joint (active)

-DELAYED ON-CYCLIC

When the power supply is given then joints remain in the positions 2-3 and 11-10 for the time t_1 . After the preset time t_1 switches the joints in position 2-1 and 11-12 at the time t_2 . After time t_2 the relay joints return to the positions 2-3 and 11-10. The sequence of these switches is carried out periodically.

DIAGRAM

