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PCU-507 230V

TIMING RELAYS
two- timing

5 9 0 8 3 1 2 5 9 4 4 1 3

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F&F products are covered by an 24 months warranty from date of purchase

PURPOSE

Timing relays are devised to time the control of industrial and domestic automatic control engineering systems (e.g. entilation, heating, lighting, signalling, etc.).
The setting of two independent times t1 and t2 (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 t1. After the preset time t1 joints return to the positions 2-3 and 11-10 for the time t2. The sequence of these switches is carried out periodically.

WORK TIME SETTINGS

By the knob of time range T1- and T2↔ set to one of choosen range and by setting time knob T1× and T2× set value from 1 to 12. Product of this vaules is equal work time (e.g. 1m×7=7 min).

WORK MODE SETTINGS

Selection of a particular function is make 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.

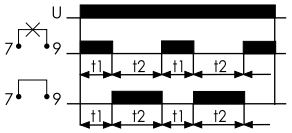
TIME RANGES

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 switch at position 11-12*
OFF *when power is ON, then joints are switch at position11-10.*

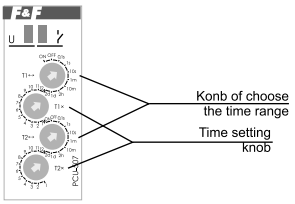
- DELAYED ON - CYCLIC
When the power supply is given then joints remain in the positions 2-3 and 11-10 for the time t1. After the preset time t1 switches the joints in position 2-1 and 11-12 at the time t2. After time t2 the relay joints return to the positions 2-3 and 11-10. The sequence of these switches is carried out periodically.

DIAGRAM

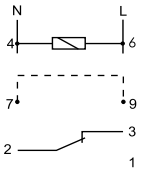


LED signaling

Power relay is indicated by a green LED U.
Switching relay (position 2-1 and 11-12) is indicated by a flashing of red LED.



DESCRIPTION OF INPUTS/OUTPUTS



4-6 power supply of relay
7-9 jumper (chose 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)

TECHNICAL DATA

supply	*230V AC*
current load	*2×[<8A]*
joint	*separate 2P*
work time - adjustable	*0,1sec÷576h*
interval time - adjustable	*0,1sec÷576h*
delay activation to aversive function	*<50msec*
power supply indicator	*green LED*
operation mode indicator	*red LED*
power consumption	*0,8W*
working temperature	*-25÷50°C*
connection	*screw terminals 2,5mm²*
dimensions	*1 module (18mm)*
fixing	*on rail TH-35*

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