

TIMING RELAYS
multi purpose

PCU-510
DUO

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website:
www.fif.com.pl/reklamacja



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

PURPOSE

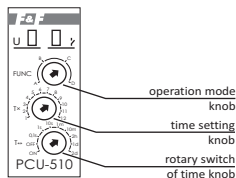
Timing relays are devised to time the control of industrial and domestic automatic control engineering systems (e.g. ventilation, heating, lighting, signalling, etc.).

FUNCTIONING

Working mode: **LAGGED DEACTIVATION (A)**

Until the relay is activated, the contact remains in the 8-7, 11-10 position. After the power voltage is supplied (green LED U is shining), contact is shifted to position 8-9, 11-12 and the countdown of the preset value "t" is commenced. After the preset time "t" has been counted down, contact returns to position 8-7, 11-10. The working sequence of the relay may be repeated after turning the power supply off and on.

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WORK TIME SETTINGS

By time range switch T↔ set to one of chosen range and by setting time knob Tx set value from 1 to 12. Product of this vaules is equal work time (e.g. 1m×7=7 min).

WORK MODE SETTINGS

By knob FUNC set one of functions (e.g. function A - Lagged Deactivation).

ATTENTION!

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

ASSEMBLY

1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Cables of power connect with wiring diagram with voltage marks: voltage 230V to joints 1-3; voltage 24V to joints 1-4

ATTENTION: Connect only one of chosen voltages.

4. System of switching ON receiver connect in line to joints 8-9 and 11-12.

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LAGGED ACTIVATION (B)

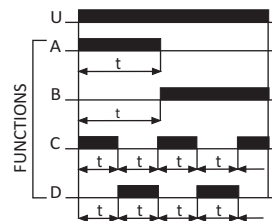
After the power voltage is supplied, the contact remains in position 8-7, 11-10 and the timing of the preset value "t" is commenced. After the preset time "t" has been counted down, the contact is shifted to position 8-9, 11-12. The working sequence of the relay may be repeated after turning the power supply off and on.

LAGGED ACTIVATION - CYCLIC (D)

The Lagged Activation mode is triggered in equal work cycles according to the preset time values.

LAGGED DEACTIVATION - CYCLIC (C)

The Lagged Deactivation mode is triggered in equal work cycles according to the preset time values.



Setting the time range knob regulator in the:

- **ON** - position with power supply activated connection of joint in position 8-9 and 11-12.
- **OFF** - position with power supply activated connection of joint in position 8-7 and 11-10.

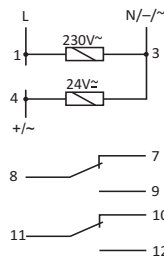
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TECHNICAL DATA

power supply	230V AC / 24V AC/DC
current load	2×8A
contact	2×NO/NC
operation time	0.1sec±24h
switching ON delay	<50msec
power supply indicator	green LED
operation mode indicator	red LED
power consumption	0.8W
working temperature	-25±50°C
connection	2.5mm ² screw terminals
dimensions	1 module (18mm)
fixing	on rail TH-35
protection level	IP20

WIRING DIAGRAM

- 1-3 power supply: 230V
- 3-4 power supply: 24V
- 8/11 contact input power supply
- 7/10 output: break contact (passive)
- 9/12 output: closing contact (active)



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