

TIMING RELAYS
 multi purpose

PCU-511
 UNI

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 compliant can be found on the website: www.fif.com.pl/reklamacje



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. entilation, heating, lighting, signalling, etc.).

Functioning

Working modes:

*** LAGGED DEACTIVATION (A)**

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

*** LAGGED ACTIVATION (B)**

After the power voltage is supplied (green LED U is shining), the contact remains in position 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 11-12 (red LED is shining).

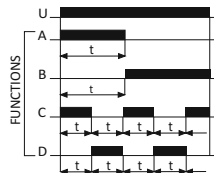
The working sequence of the relay may be repeated after turning the power supply off and on.

*** 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 Deactivatin 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 contact in position 11-12.

* **OFF** – position with power supply activated connection of contact in position 11-10.

Work time settings

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

Work mode sttings

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

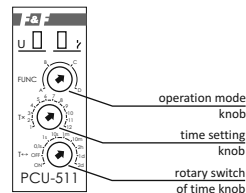
ATTENTION!

* 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.

Front panel description



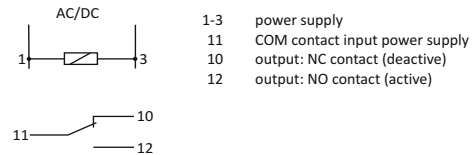
Assembly

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 marks: contact 1 -N, contact 3-L.
4. System of switching ON receiver connect in line to contacts 11-12.
5. To set the working time and mode turn the knobs.

Technical data

power supply	12÷264V AC
current load	<8A
contact	separated 1×NO/NC
working time	0.1sec÷576h
activation delay	<50msec
power indication	green LED
contact closure signalling	red LED
power consumption	0.8W
working temperature	-25÷50°C
terminal	2.5mm ² screw terminals
dimensions	1 module (18mm)
mounting	on TH-35 rail
protection level	IP20

IN/OUT description



Wiring diagram

