

TIME RELAY

**PCU-520
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 complaint can be found on the website:
www.fif.com.pl/reklamacje



Do not dispose of this device to a garbage bin with other unsorted waste!
 In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.

Purpose

The time relay is used for time controlling in industrial and home automation systems (e.g. ventilation, heating, lighting, signaling, etc.).

Set two separate times t_1 and t_2 (operation time and interval time).

Functioning

Feature:

* DELAYED DEACTIVATION (A)

Until the time of relay activation, contacts remain in position 1-5, 2-8. When the power voltage is on (green LED U), contacts are shifted to position 1-6, 2-7 for the time t_1 (red LED). After a preset time t_1 contacts return to position 1-5, 2-8 for the time t_2 . After the t_2 time relay contacts return to position 1-5, 2-8 at the time t_2 . After the time t_2 relay contacts return to position 1-6, 2-7. To repeat the relay operation cycle, power supply must be disconnected and switched on again.

* DELAYED ACTIVATION (B)

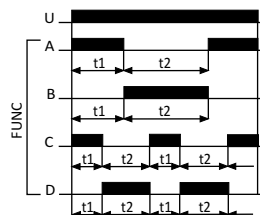
When the power voltage is switched on (green LED U light), contacts remain in position 1-5, 2-8 for the time t_1 . After time t_1 contacts switch to position 1-6, 2-7 for the time t_2 (red LED light). After time t_2 relay contacts return to position 1-5, 2-8. To repeat the relay operation cycle, power supply must be disconnected and switched on again.

* DELAYED DEACTIVATION - CYCLIC (C)

Delayed deactivation work mode is carried out cyclically in equal intervals of preset work and break time.

* DELAYED ACTIVATION - CYCLIC (D)

Delayed activation work mode is carried out cyclically in equal intervals of preset work and break time.



Setting the operating time

Set one of the ranges with the time range selector dial T \leftrightarrow , then with the time selector knob T \times set the value on a scale from 1 to 12. The product of these values is equal to the operating time t (e.g. $t = 1m \times 7 = 7min$).

Setting the operating mode

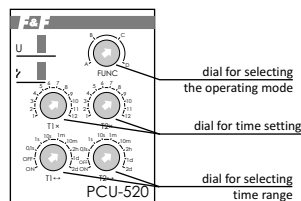
With the function selector dial FUNC set one of the functions (e.g. function A – delayed deactivation).

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Setting positions

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

- ON** with the power on, this setting permanently activates contact in position 1-6 and 2-7
- OFF** with the power on, this setting permanently activates contact in position 1-5 and 2-8



Please note!

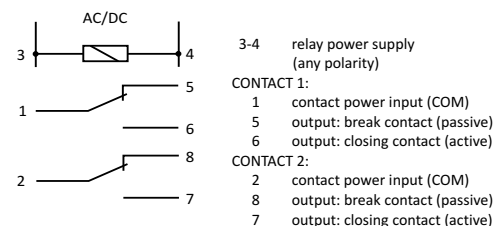
- * With the power on, the system does not respond to changes in time range and operating mode settings.
- * To work with the newly set time range and operating mode, restart the power supply.
- * With the power on in the set time range, user can smoothly regulate time in the range of values of the time setting.

Installation

1. Turn off the power.
2. Mount the relay on rail in the connection box.
3. Connect the power supply wires according to the scheme as the indications show: terminal 3 and 4 (any polarity).
4. Circuits of the activated receivers connect in series to terminals 1-6 and 2-7.

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Connection scheme



Specification

power supply	12÷264V AC/DC
load current	2×(<10A)
contact	2P
operating time	0,1s÷576h(24 days)
break time	0,1s÷576h(24 days)
activation delay - averse functions	<50ms
power indicator	green LED
contacts state signalling	red LED
power consumption	1,2W
working temperature	-25÷50°C
terminal	2,5mm ² screw terminals
dimensions	2 modules (35mm)
mounting	on TH-35 rail
protection level	IP20

D140519/150505

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