



F&F Filipowski sp. j
ul. Konstytucyjna 79/81
95-200 Pabianice, POLAND
tel/fax: 48 42 2270974
e-mail: fif@fif.com.pl

PCU-518 DUO

TIMING RELAYS

multi purpose
with external time setting knob



5 19 0 8 3 1 2 11 5 9 2 5 9 4

www.fif.com.pl

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

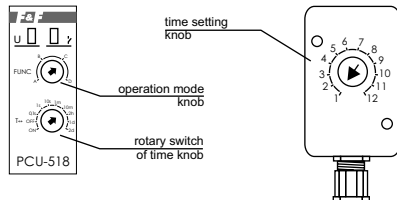
PURPOSE

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

FUNCTIONING

Working mode: **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.



WORK TIME SETTINGS

By time range switch T→ set to one of choosen range and by setting time knob T× 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 marks: voltage 230V to joints 1-3; voltage 24V to joints 4-3.
4. Cables of external potentiometer connect to relay with marks: **ATTENTION!** Connect only one of choosen voltages. WHITE cable to joint 7, GREEN to joint 8, BROWN to joint 9.

LAGGED ACTIVATION (B)

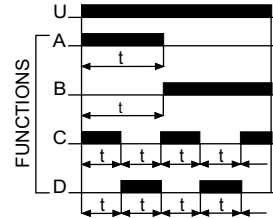
After the power voltage is supplied (green LED U is shining), the contact remains in position 11-10 and the timing of the preset value t is commenced. After the preset time t has been counted down, the contact is shifted to position 11-12 (red LED is shining). The working sequence of the relay may be 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 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 11-12.
- OFF - position with power supply activated connection of joint in position 11-10.

5. Take OFF the cover of potentiometer box.
6. From potentiometer take OFF knob which is places on mandrel and unscrew a nut.
7. In general panel of switchgearbox bore to a hole Ø10.
8. Stick a scale with prepared hole.
9. By through the prepared hole move out a mandrel of potentiometer and screw a nut.
10. Spool to left a mandrel and next put on a knob in position that a white sign on the knob set to of number 1.
11. Take ON the cover of potentiometer box.
12. System of switching ON a receiver connect in line to joints 11-12.

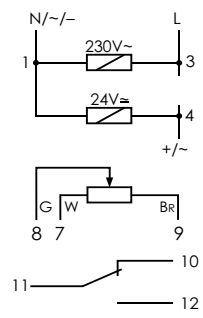
TECHNICAL DATA

RELAY	
supply	230VAC / 24VAC/DC
current load	<8A
joint	1P
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	screw terminals 2,5mm ²
dimensions	1 module (18mm)
fixing	on rail TH-35

EXTERNAL POTENTIOMETER

connection	cable 3×0,42mm ² ; l=70cm
dimensions of knob	83×42×30mm
fixin hole	Ø10

WIRING DIAGRAM



A090603

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Timers](#) category:

Click to view products by [F&F](#) manufacturer:

Other Similar products are found below :

[79237785](#) [H3DS-GL AC24-230/DC24-48](#) [H5AN-4DM DC12-24](#) [H5CN-XDNM AC100-240](#) [H5CN-YAN AC100-240](#) [H5CX-L8S-N AC100-240](#) [H3AMNSCAC100240](#) [H3AM-NSR-B AC100-240](#) [H3CA-8 DC12](#) [H3CR-A8-302 DC24](#) [H3CR-F AC24-48/DC12-48](#) [H3CR-G8EL AC200-240](#) [H5AN-4D DC12-24](#) [81506944](#) [88225029](#) [H5S-YB4-X](#) [H3CR-A-301 AC100-240/DC100-125](#) [H3CR-AS AC24-48/DC12-48](#) [H3DK-GE AC240-440](#) [H3RN-2 AC24](#) [H3RN-21 AC24](#) [H3CR-H8RL AC/DC24 M](#) [H3CR-H8RL AC100-120 S](#) [H3CR-G8EL-31 AC100-120](#) [H3CR-H8RL AC100-120 M](#) [H3CR-HRL AC100-120 M](#) [H3CR-A8-301 AC24-48/DC12-48](#) [H3CR-H8RL AC/DC24 S](#) [H7AN-2D DC12-24](#) [H5CN-XANS DC12-48](#) [H3CA-8 DC110](#) [H7AN-W4DM DC12-24](#) [H7AN-4DM DC12-24](#) [H7AN-4D DC12-24](#) [H7AN-RT6M AC100-240](#) [H3CA-8H AC200/220/240](#) [MTR17-BA-U240-116](#) [PM4HSDM-S-AC240VS](#) [PM4HSDM-S-AC240VSW](#) [PO-405](#) [600DT-CU](#) [H3Y-2-B DC24 30S](#) [PM4HF8-M-DC24V](#) [PM4HS-H-DC12VSW](#) [H3Y-2-B AC100-120 10S](#) [H3Y-2-B AC100-120 30S](#) [H3C-R](#) [H3CR-A8-301 24-48AC/12-48DC](#) [H3CR-A8E 24-48AC/DC](#) [H3CR-F8 100-240AC/100-125DC](#)