



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

## PCR-515 DUO

### TIMING RELAYS

lagged activation



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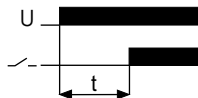
#### PURPOSE

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

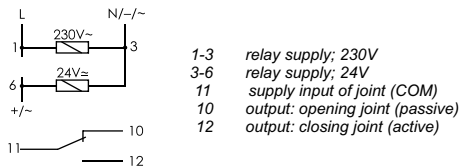
#### FUNCTIONING

Working mode: **LAGGED ACTIVATION**

After the power voltage is supplied (green LED U is shining), contact stay in position 11-10 and the countdown of the preset work time. After the preset time has been counted down, contact switch to position 11-12 (red LED  $\gamma$  is shining). The working sequence of the relay may be repeated after turning the power supply off and on.



#### INPUT/OUTPUT direction



#### ASSEMBLY

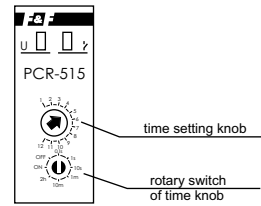
1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Cables of power connect with wiring diagram accordance to marks; voltage 230V to joints 1-3, voltage 24V to joints 3-6. **ATTENTION!** Connect only one of choosen voltages!!
4. System of switching ON receiver connect in line to joints 11-12.

#### TECHNICAL DATA

supply	230 VAC / 24V AC/DC
current load	<10A
joint	separate 1P
operation time	0,1sec+576h
power supply indicator	green LED
operation mode indicator	red LED
power consumption	0,8W
working temperature	-25+50°C
connection	screw terminals 2,5mm <sup>2</sup>
dimensions	1 module (18mm)
fixing	on rail TH-35

#### WORK TIME SETTINGS

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



#### TIME RANGE

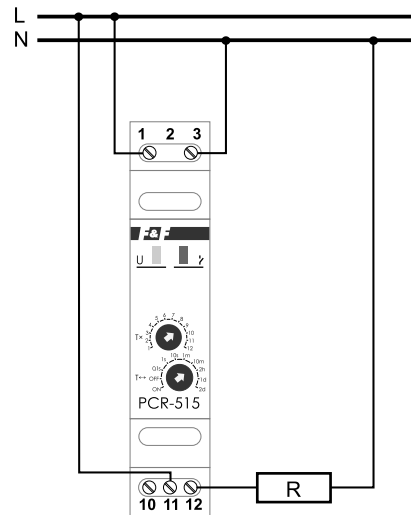
<b>0,1s</b> :	0, 1+1,2 sec.	<b>10m</b> :	10+120 min.
<b>1s</b> :	1+12 sec.	<b>2h</b> :	2+24 h.
<b>10s</b> :	10+120 sec.	<b>1d</b> :	1+12 days (24+288 h.)
<b>1m</b> :	1+12 min.	<b>2d</b> :	2+24 days (48+576 h.)

- ON** with power supply activated make to contact of joint in position 11-12.
- OFF** with power supply activated make to contact of joint in position 11-10.

#### 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 1+12.

#### WIRING DIAGRAM



B111030