



F&F Filipowski L.P.
Konstantynowska 79/81, 95-200 Pabianice, POLAND
phone/fax (+48 42) 215 23 83 / (+48 42) 227 09 71
www.fif.com.pl; e-mail: biuro@fif.com.pl

PZ-829 RC-WD

Fluid level control relay,
2-position
(for rain water)



51190243116760431

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

Fluid level control relays PZ-829 is devised to detect the presence of conductive liquids reaching the level of the sensor. It allow control MAX and MIN statues set by user of controlled fluid.
High sensitivity of the relay allows detection of rainwater.

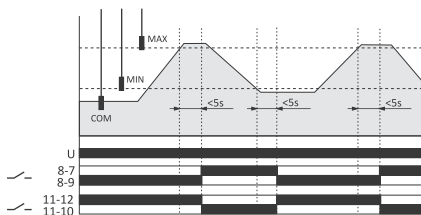
Functioning

After the liquid level decreases to MIN (i.e. electrodes MIN and COM spaced), the MIN contact is switched to position 11-12, whereas the MAX contact remains in position 8-9. On the other hand, when the MAX liquid level is reached (MAX and COM electrodes shorted), the relay's MIN contact will be switched to position 11-10, whereas the MAX into position 8-7.



Electrode probe connected with a cable with a wire diameter of up to 1 mm² and a maximum length of 100 m.

Diagram



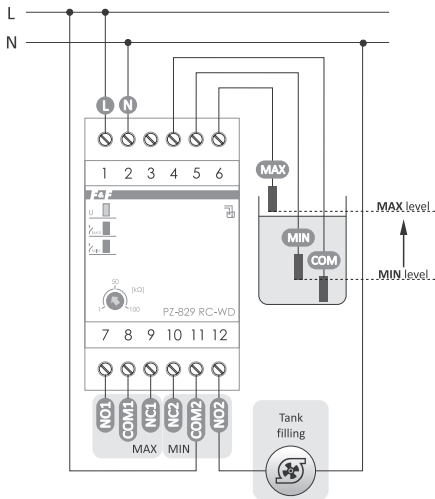
Mounting

1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Connect power to contacts 1-2 with marks.
4. Probe connect to relay by cable $<1\text{ mm}^2$.
5. Install the probes at heights corresponding to the fluid control levels.
6. Connect the MAX relay contact in series into the power supply circuit of the draining device (terminals 8-7).
7. Connect the MIN relay contact in series into the power supply circuit of the filling device (terminals 11-12).
8. Set the sensitivity with the knob.



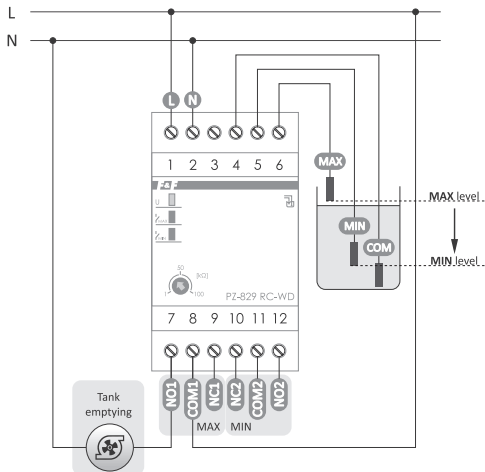
Terminals 4-5-6 separated from the network.

Wiring diagram



Tank filling

Wiring diagram (cont.)



Tank emptying

Technical data

power supply	230 V AC
maximum load current (AC-1)	2×16 A
contact	separated 2×NO/NC
sensitivity (adjustable)	1÷820 kΩ
contact switching delay	
for MIN level	1÷2 s
for MAX level	<5 s
voltage of measuring outputs	6 V
power signalling	green LED
work status signalling	2× red LED
power consumption	1.1 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals (cord) 4.0 mm ² screw terminals (wire)
tightening torque	0.5 Nm
dimensions	3 modules (52.5 mm)
mounting	on TH-35 rail
ingress protection	IP20
probe	
type of flood probe	3×PZ2
probe current	0.13 mA
sensor voltage	6 V
separation of measuring probes	galvanic (transformator)

Warranty

F&F products are covered by a 24-month warranty from the date of purchase. The warranty is only valid with proof of purchase. Contact your dealer or contact us directly.

CE declaration

F&F Filipowski L.P. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found www.fif.com.pl on the product subpage.

