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FLUID LEVEL CONTROL RELAYS
one-position

PZ-828 RC

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

5 908312 591474

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-828 is devised to detect the presence of conductive liquids reaching the level of the sensor.

Functioning

In dry conditions, the relay's joint remains in the 7-4 position. Once the sensor becomes flooded with liquid, the red LED indicator lights up, and the contact is shifted to the 7-8 position. After the level of the conductive liquid decreases (and the electrodes of the flooding sensor depart), the joint returns to position 7-4.

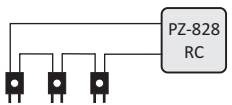
Possibility of connection the probe

The design of the probe allows for mounting it on a flat ground level, for example, on the floor in a room with hydro-valves,flaw pipes or laundry, which allows you to quickly detect the failure and flooding the room with the liquid while excluding electrical circuits, or accompanied by light or sound signals (alarm).

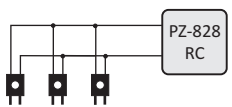
The probe cable can be extended to 100 m.

To input 5-6 can be connected 10 probes - in series or parallel:

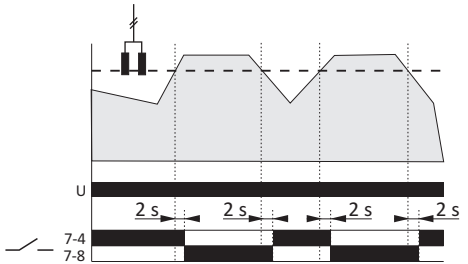
a) series – (to dependent control system for fluid level in a many points) it must be the same short-circuit for all connected sensors to activation of relay.



b) **parallel** – (alternative control system for fluid level in a many points) must be at least one short-circuit, for any of the connected sensors. With the serial connection sensor sensitivity is reduced (decreasing conductivity).



Diagram

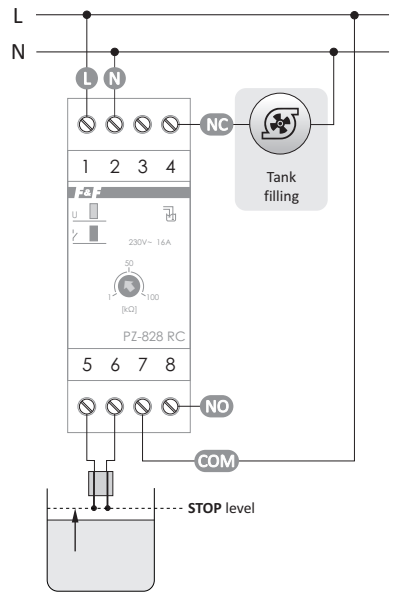


Assembly

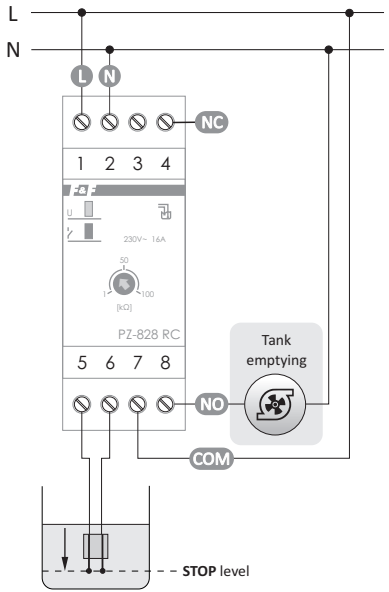
1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Connect power to joints 1-2 with marks.
4. When we extend cable of probe carly isolate place of connection that there wasn't current of short-circuit (flooding state fo relay). Probe cable connect to joints 5-6.
5. Assembly probe on the same level as controlled fluid.
6. In supply system of controlled receiver connect in line (series) joint of relay (joints 7-8).
7. Set the sensitivity knob.

Contacts 5-6 separated from the network.

Wiring diagram



Tank filling



Tank emptying

Technical data

power supply	230 V AC
maximum load current (AC-1)	16 A
contact	separated 1×NO/NC
sensivity (adjustable)	1÷100 kΩ
output voltage measurement	6 V
power indication	green LED
work status indication	red LED
power consumption	1.1 W
working temperature	-25÷50°C
terminal	2.5 mm² screw terminals (cord) 4.0 mm² screw terminals (wire)
tightening torque	0.5 Nm
dimensions	2 modules (35 mm)
installation	on TH-35 rail
protection level	IP20
flooding probe type	1×PZ
probe current	0,13 mA
sensor voltage	6 V
probe dimensions/wire length	30×20×5 mm/1.5 m
length/electrode spacing	30 mm/5 mm
separation of the measuring probe	galvanic (transformer)

CE declaration

A copy of the CE declaration is available to download from the website: www.fif.com.pl from product subpage.