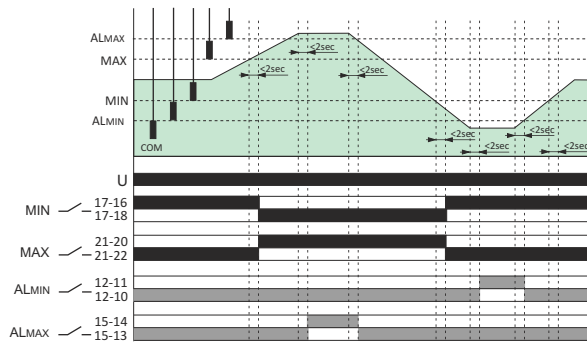
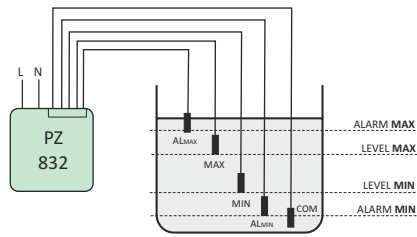
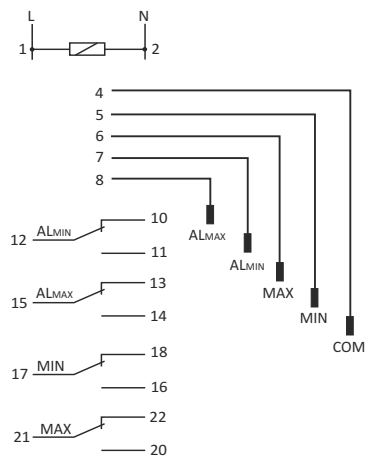


**TWO-POSITION WITH EMERGENCY STATES MIN AND MAX**

**PZ-832 RC**



power supply	230V AC
contact	separated 4x[1xNO/NC]
load current MIN and MAX	2x[<6A]
load current AL <sub>MIN</sub> and AL <sub>MAX</sub>	2x[<8A]
sensitivity - adjustable	1÷100kΩ
switching ON delay	1÷2sec
output voltage measurement	<6V
power indication	green LED
working status indication	yellow RED
state signalling MIN and MAX	2xgreen LED
alarm state signalling	2xred LED
power consumption	1.1W
terminal	2.5mm <sup>2</sup> screw terminals
dimensions	5 modules (85mm)
mounting	on TH-35 rail
flooding probe type	5xPZ2
4-5-6-7-8 contact	galvanic separated
protection level	IP20



Relay control MAX and MIN statuses set by user of controlled fluid. After the liquid level decreases to MIN (i.e. electrodes MIN and COM spaced), the MIN contact is switched to position 17-16 (FILLING), whereas the MAX contact remains in position 21-22. 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 17-18 (EMPTYING), whereas the MAX into position 21-20.

Emergency state: **AL<sub>min</sub>** (dry running) - after the liquid level decreases to **AL<sub>min</sub>** (i.e. electrodes MIN and COM spaced), the **AL<sub>min</sub>** contact is switched to position 12-11; **AL<sub>max</sub>** (overflow) after level is reached **AL<sub>max</sub>** (**AL<sub>max</sub>** and COM electrodes shorted), the relay's **AL<sub>max</sub>** contact will be switched to position 15-14.

**PZ PROBE**



flooding probe	electrode
probe dimensions / wire length	30x25x5mm/1.5m
length / pitch of electrodes	30mm/5mm
sensor voltage	<6V~
current probe	<0.13mA
length connection wire	<100m
dedicated	PZ-828, PZ-828 RC

**PZ2 PROBE**



flooding sensor	acid-resistant steel electrode + plastic box for electrode + gland PG9
probe dimensions	Ø15, l=9.5cm
probe voltage	<6V~
probe current	<0.13mA
liquid temperature max	<85°C
connection wire	e.g. DY 1mm <sup>2</sup>
length connection wire	<100m
dedicated	PZ-829, PZ-829 RC, PZ-831 RC, PZ-832 RC

**How to connect the probe**

The design of the probe makes it possible to install the probe on a flat horizontal base, for example on the floor in a room where hydro-valves and flow pipes are installed or in a laundry room. Thanks to such a design of the probe, any failure or flooding of a room with a liquid can be quickly detected as well as electric circuits can be simultaneously switched off or the sound or light signalling system (alarm system) can be actuated. The probe cable can be extended to 100 m.

A maximum of 10 probes can be connected in parallel connection or in series connection to 5-6 output:

- \* series connection - for a dependant system that controls the level of liquid in many points a simultaneous short-circuit of all sensors connected must occur in order to activate the relay.
- \* parallel connection - for an alternative system that controls the level of liquid in many points a short-circuit of at least one of the sensors connected must occur.

In case of a series connection, the sensitivity of the sensors is reduced (conductivity is reduced).

