TH-FILL

tcontrol

Filling control module

Solenoid valve 24V | **Probes or Floats** | **DIN-rail mounting**

user manual

Filling control module by level probes or floats and 24 V solenoid valve control.

3-module wide modular case for DIN rail mounting.

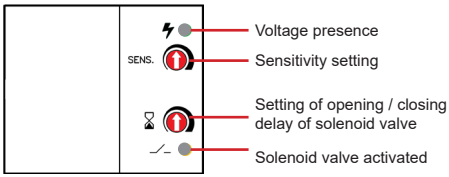
Power supply of the module at 230 V.

Front indication of power ON and position of the solenoid valve, open or closed.

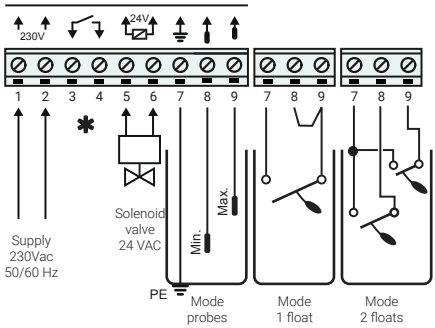
Front panel potentiometers for adjusting the water sensitivity (hardness) and time delay before opening and closing the solenoid valve (wavelet effect).



Front



Wiring



CHECK THE CONNECTIONS BEFORE STARTING THE EQUIPMENT. SUCH AN ERROR MAY CAUSE DANGER OF ELECTRIC SHOCK.

Output contact (*)

It is a voltage-free relay contact. It is activated and deactivated at the same time as the solenoid valve.It can be used to activate a filling signaling.

Wiring

It is essential for the proper functioning of the level relay that the ground connection is correct. It is recommended to connect to any point in the pipe or pump (screw, flange, valve, etc.), to a pickaxe or by a probe submerged in the bottom of the container, if it is made of insulating materials (uralite, fiberglass or plastics in general).

IMPORTANT: The probe cables must be sufficiently insulated, as a false ground contact will cause the equipment to malfunction.

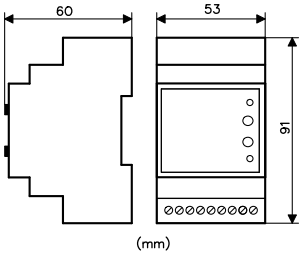
Operation

When the reservoir level drops below the minimum probe, the solenoid valve opens. The solenoid valve remains open until the level reaches the maximum probe.

There is always a delay to the opening and closing of the solenoid valve that can be set.

Specifications

Pilot lights	Voltage presence and solenoid valve
Operation voltage	230 V AC - 50/60 Hz
Probes / floats voltage	24 V AC 50 Hz
Probes / floats current	1,2 mA max. in short
Probes sensitivity	3...60 KOhm, adjustable
Solenoid valve switch on / off delay	5...40 s, adjustable
Solenoid valve output	24 VAC / 16 VA max.
Relay output (terminal blocks 3 and 4)	Voltage-free. 5 A / 250 VAC max.
Maximum terminal cross-section	2,5 mm^2
Working temperature	0...+50º C
Protection degree	IP20
Dimensions	91 x 53 x 60 mm
Net weight	490 g (725 g with 3 SN probes incl.)



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