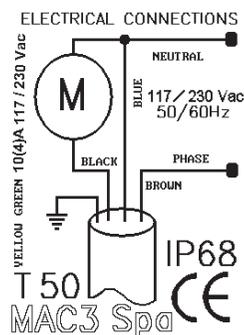
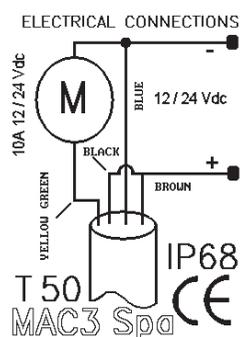


WIRING

Installation should be made, by qualified personel, by following the wiring diagrams here below and (when necessary, see the direct current version) **respecting the polarity**. Before effecting the wiring connections, make certain that the general switch that feeds the pump is in the off position and thus there is no current. Pay particular attention that the rated power is the same as that of the pump.



NOTAS

Always disconnect the power supply from the main power panel before undertaking any operations on the device.
If the device is used in filling mode, the system must be fitted with an adequate overflow device.



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REKA 2000

Capacitive level regulator

The REKA 2000 level regulator is a device that controls electronic equipment once it has reached a pre-established level. A capacity sensor is integrated in the plastic structure and this makes it suitable for a wide range of liquids. It is easily installed near the pump itself thanks to the two holes placed on the structure. The functioning principle of the device is based on capacitive variation caused by the liquid level in which the two extensions are immersed. The electronic circuitry contained on the inside measures the variations and activates the switchover of the relay.

REKA for main power supply:

This model is fed by the main power supply and thanks to the internal relay, it is able to action pumps up to 2HP (230Vac.)

REKA RETARD for direct current:

The REKA 2000 for supply voltages 12Vdc and 24Vdc is fed by battery and is produced in the version RETARD. The device REKA RETARD comes out of the factory, programmed with a delay of 3 seconds. Upon request, material can be produced within the factory with delay that can be programmed according to indications from the customer, in a range of from 0 to 8 seconds. This device has been studied to be a valid and reliable liquid control system for sailing vessels or boats of any dimension.



CE made in Italy

Connessioni

| Code | TKZC4000E0 | TKZC4000F0 | TKZC4001B0 | TKZC4001A0 |
|-----------------------|-----------------------------|------------|------------|------------|
| Power supply | 12Vcc | 24Vcc | 117Vca | 230Vca |
| Power consumption | 120mA | 100mA | 30mA | 10mA |
| Delay time | 0 ÷ 8 sec | 0 ÷ 8 sec | none | none |
| Difference threshold | 9 ± 1cm. (*) | | | |
| High level | 12 ± 2cm. | | | |
| Output relay | Relé 250V-10(4)A | | | |
| Max. load | 120W | 240W | 1300VA | 2300VA |
| Dielectric strenght | 1500V | | | |
| Operating temperature | 50 °C max. | | | |
| Storage temperature | -20 °C +80 °C | | | |
| Pollution index | IP68 | | | |
| Housing | Non toxic polypropylene(PP) | | | |
| | Yellow | Yellow | Red | Red |
| Weight | gr. 185 | gr. 190 | gr. 240 | gr. 240 |
| Dimensions | mm. 93 x 250 | | | |
| Mounting | Vertical position | | | |
| Power supply/output | cable H07RN-F 4G1 | | | |
| Approved certificates | CE - EN60730 | | | |

(*) Referred to water

Compatibility of liquids.

In relation to the type of liquid to be controlled, the levels of switchover vary according to the graph here on your right.

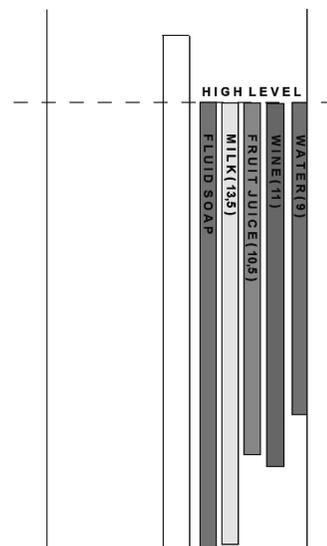


Fig 1:
Differential level in cm.
(accuracy ± 1 cm.)

On the inside of the regulator you will find three Leds for various diagnostic controls which are visible through the plastic container. The first Led, at the bottom, which is very bright, turns on when the low level has been reached. The second Led turns on when the high level has been reached or at the same time when the relay has been activated. The third Led, at the top, turns on in the presence of some sort of abnormality on the inside of the device. Said condition deactivates the relay and blocks the device.
NOTE. the device can be requested for emptying or filling application. in the filling mode the functins are inverted so that the motor stops once the high level has been reached.

