

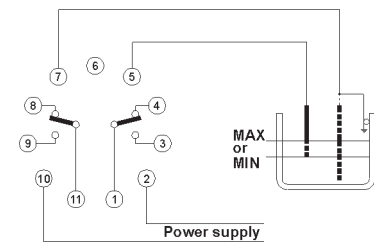
Power supply: **24-115-230 Vac.**
 Power consumption: **3 VA max.**
 Electrode voltage: **11 Vac max**
 Electrode current: **1,5 mA max**
 Sensibility: **0 ÷ 47kohm**
 Adjustment range: **470kohm ÷ 47kohm**
 Adjustment range (S): **21microS ÷ 2100microS**
 Storage temperature: **-30 ÷ +80 °C**
 Working temperature: **-10 ÷ +50 °C**
 Output: **2 change-over contacts**
 Contact rating: **3A 250Vac (resistive load)**
 Sensibility adjustment: **trimmer**
 Display: **green LED =supply**
red LED = level threshold



RAL11 unit is a conductivity level control able to work with one or two control points.

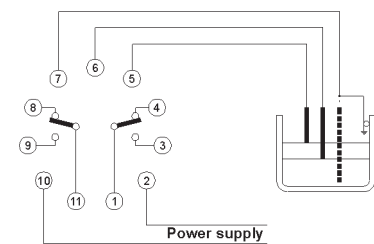
RAL11 works detecting the current flowing between the electrodes, due to the conductivity of the liquid under control. In order to avoid the electrolysis phenomenal the voltage applied to the electrodes is alternate.

The RAL11 unit can work with a single control point (2 electrodes) or with two control points (3 electrodes).



Single control point

fig.2



Double control point

fig.3

When RAL11 is used with a single control point it operates as a minimum or maximum switch-point. When RAL11 is used with a double control point it can drive directly a pump in the way to maintain the level between the two control points.

To work properly as a single control point need two electrodes, if the tank is metallic, one electrode can be substituted from the tank wall as a reference electrode consequently, for a double control point need three electrodes, but using the metallic wall of the tank as a reference electrodes, only two electrodes are requested. The electrode must installed in a vertical position.

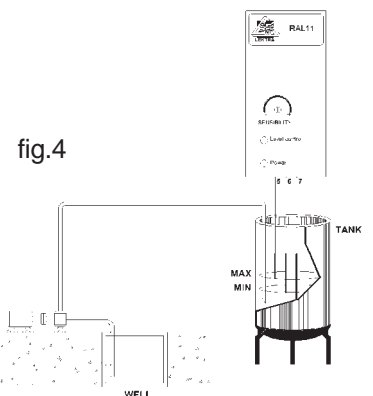


fig.4

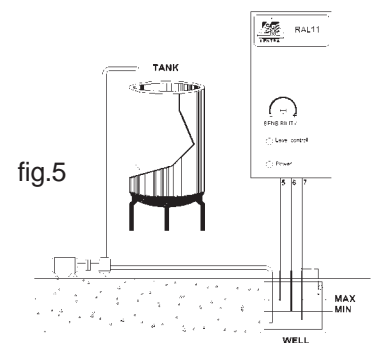


fig.5

ORDER CODES

Version	
A	Standard
B	IP56 (inside plastic housing cod 545A015N)
Z	Special
Power supply	
0	24Vac 50+60Hz
1	115Vac 50+60Hz
2	230Vac 50+60Hz
Accessories	
A	None
B	Undecal socket + fixing spring
Z	Special