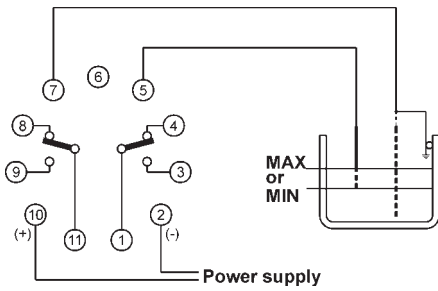


Power supply: **24 Vdc 24Vac 115Vac 230Vac**
 Power consumption: **3 VA max.**
 Electrode voltage: **10 Vdc max**
 Sensibility: **0 ÷ 47kohm**
 Adjustment range: **470kohm ÷ 47kohm**
 Adjustment range (S): **21microS ÷ 2100microS**
 Storage temperature: **-30 ÷ +80 °C**
 Working temperature: **-10 ÷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

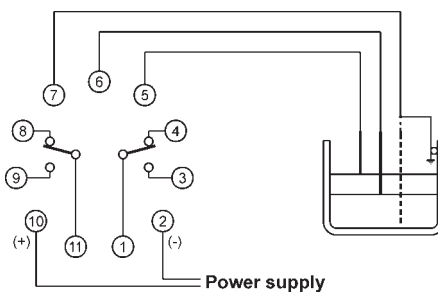


RAL13 unit is a conductivity level control able to work with one or two control points.
 RAL13 works detecting the current flowing between the electrodes, due to the conductivity of the liquid under control.

RAL13 Application



Single control point
fig.2



Double control point
fig.3

The RAL13 unit can work with a single control point (2 electrodes) or with two control points (3 electrodes).
 When RAL13 is used with a single control point it operates as a minimum or maximum switch-point.
 When RAL13 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

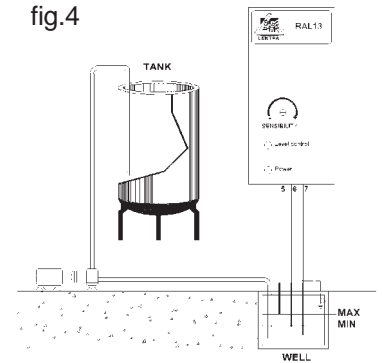
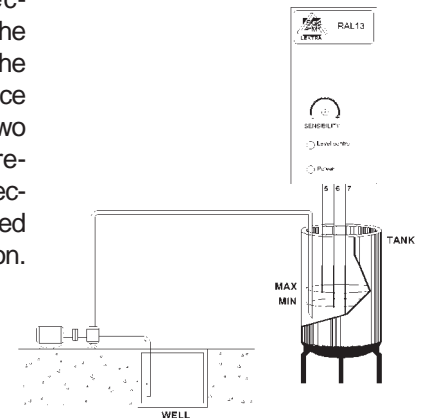


fig.5



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
4	24Vdc
Accessories	
A	None
B	Undecal socket + fixing spring
Z	Special