| | |
|---|---|
| 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 renge (S): | **21microS ÷ 2100microS** |
| Storage temperature: | **-30 ÷ +80 °C** |
| Working temperature: | **-10 ÷ +50 °C** |
| Output: | **1 change-over contact + 1 N.O.** |
| Contact rating: | **3A 250Vac (resistive load)** |
| Sensibility adjustment: | **trimmer** |
| Display: | **green led = supply**<br>**yellow led = safety**<br>**red led =level threshold** |


RAL12 unit works as resistive level switch. Internal circuits detect constantly the electrical connection to the electrodes. If a bad electrode connection happens the safety relay becomes de-energized giving the alarm. The above control avoid to damage the process if something happens on the wiring of the electrodes.

## **RAL12** Application

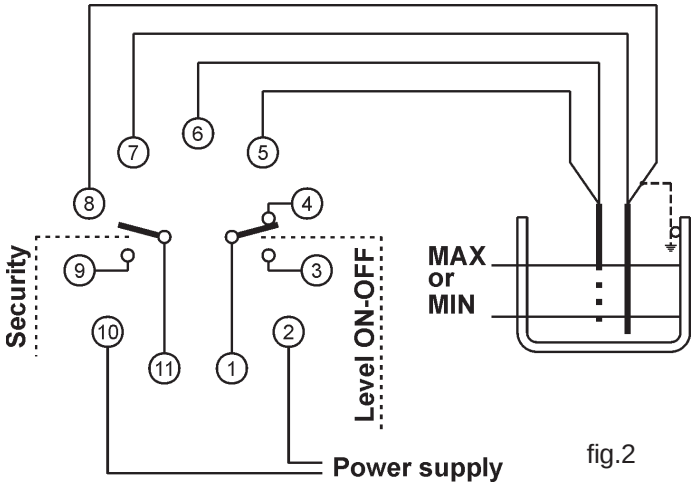


fig.2

When RAL12 is used with a single control point it operates as a minimum or maximum switch-point.
To works 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.
The safety relay is energized during normal working, if one of the four wires is cutted, than safety relay change in de-energized condition and the yellow LED switch off.

### 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 |