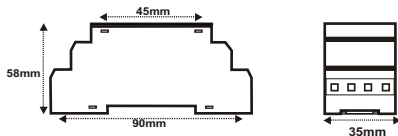


## Technical Specifications:

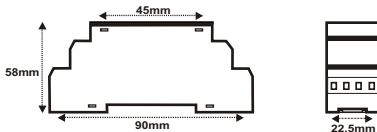
<b>Sensitivity Adjustment</b>	:SSR 02 /2...100 k $\Omega$ SSR 04 /2...100 k $\Omega$
<b>Supply Voltage</b>	:220 Vac $\pm$ %20 (L-N), 50 / 60 Hz
<b>Power Consumption</b>	: < 1 W
<b>Ambient Temperature</b>	:-5 $^{\circ}$ C...+55 $^{\circ}$ C
<b>Control Output</b>	:Relay, 1 Changeover, 10A / 250 Vac(Omron)
<b>Electrical Life</b>	: 100.000 ops. (Resistive Load)
<b>Electrical Connector</b>	: SSR 02 : PCB Clamp SSR 04 : PCB Clamp
<b>Connection</b>	:Vertical or Front Panel
<b>Weight / Dimensions</b>	: SSR 02 : 0,3 kg / 75x50x109 (mm) SSR04 : 0,13 kg / 79x23x80 (mm)

## Dimensions

**SSR02**



**SSR04**

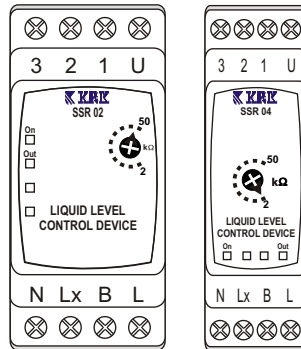


# KRK<sup>®</sup>

ISO 9001  
9001:2008

## LIQUID LEVEL CONTROL DEVICE

**SSR 02**  
**SSR 04**



## USER GUIDE

## General Specifications

For residential or industrial use it can be used to level (charge or discharge) the (non-flammable) liquid from certain liquid tank

\*It uses 3 props Upper, Lower, Base Probs where Probs are isolated from the current and can be used safely without the risk of electricity shock.

## USAGE :

Normally 3 probes are connected to the SSR, but when the tank is metal base probe can be connected directly to the tank itself. When the liquid level reaches upper probe Device turns ON (2 and 3 contacts are short circuit) and stays till liquid level reaches lower probe.

### A) Usage for empty the tank

When SSR is used for discharging the tank. As seen in **Diagram 1** Contactor should be connected contacts of (2-3). In this position when liquid is at the level of upper electrode device is on (so device led lights on and the motor begins to work and discharge the liquid). When the liquid is at lower electrode level device cuts the line so the pump stops. And tank begins to refill, this continues repeatedly. If the lower electrode and base electrode is placed closely, tank can be fully emptied.

### B) Usage for filling the tank

When SSR is used for charging the tank. As seen in **Diagram 2**, Works with 3 electrode. If device is used for filling the tank device is on (1-2) contacts are shortcut. And motor that connected to the contactor is on. When tank is filled, liquid level fills up till upper electrode level (**Diagram 2**). SSR uses 3 electrode that makes motor life longer and to prevent motor heat up.

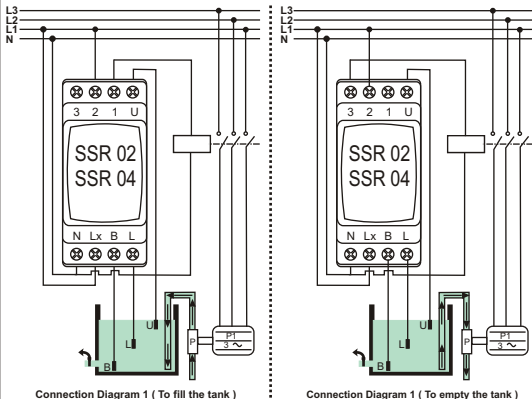
### Probes:

Plastic covered, rustless steel probes should be used, with ease of sealed connection KRK electrodes are IP68 with rubber ring and brass connector lugs, and **Ny6** covering

## Warnings:

- 1) Liquid level device is not to be intended use with flammable liquid.
- 2) If the base electrode is disconnected Device will not function this is for ensuring the motor protection
- 3) For the 2 electrode uses (which is not recommended) **U** and **L** should be short circuit, and used as first electrode, **B** will be second electrode

## Connection Scheme (For SSR 02 / 04)



Connection Diagram 1 ( To fill the tank )

Connection Diagram 1 ( To empty the tank )