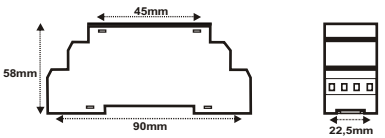
Technical Specifications:

Sensitivity Adjustment	:SSR 04 / 2...100 kΩ
Supply Voltage	: 12 Vdc/ac (Lx-N)
Power Consumption	: < 1 W
Ambient Temperature	:-5 ºC...+55 ºC
Conrol Output	:Relay, 1 Changeover, 10A / 250 Vac(Omron)
Electrical Life	: 100.000 ops. (Resistive Load)
Electrical Connector	: SSR 04 : PCB Clamp
Connection	:Vertical or Front Panel
Weight / Dimensions	: SSR04 : 0,13 kg / 79x23x80 (mm)

Dimensions

SSR04



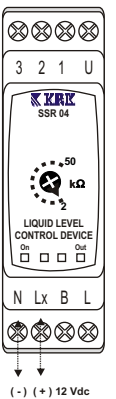
KRK®

ISO 9001:2008

LIQUID LEVEL CONTROL DEVICE

SSR 04_12V

2 YEARS GUARANTED



USER GUIDE

General Specifications

For residental or industrial use it can be used to level (charge or discharge) the (non-flamable) 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** Contacter 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 sealedconnection KRK electrodes are IP68 with rubber ring and brass connector luqs, and **Ny6** covering

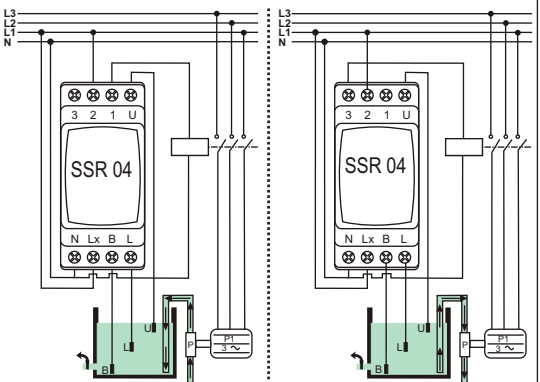
Warnings:

1) Liquid level device is not to be intended use with flamable 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 04)



Connection Diagram 1 (To fill the tank)

Connection Diagram 1 (To empty the tank)