

SSR-27/SSR-37 Liquid Level Controller

1. INTRODUCTION

In general, SSR-27 and SSR-37 are in the same family range and are designed to control steam tank (depot) / Ironing units. SSR-27 differentiates SSR-37 by having a bottom tank control terminal.

2. USAGE OF SSR-27/SSR-37

SSR-27/SSR-37 must be connected according to the figure "1" shown below. Device normally operates in monophase systems but however, can also be operated in three phase systems of a pump motor or of a resistance. As for three phase system; a contactor must be used to drive the pump and motor while the bottom and trunk part of the steam tank should be grounded. If there is no ground available in the system, the tank (depot) must be connected to the neutral.

SSR-27 control only one liquid tank whereas SSR-37 does two at one time. Device control the liquid level of a steam tank. Resistant is activated if the level goes over the probe. The pump is activated and the water be transferred to the steam tank if in case of the level falls below the probe. Hence, the pump motor is run until the level reaches at the probe.

3. CONNECTION DIAGRAMS

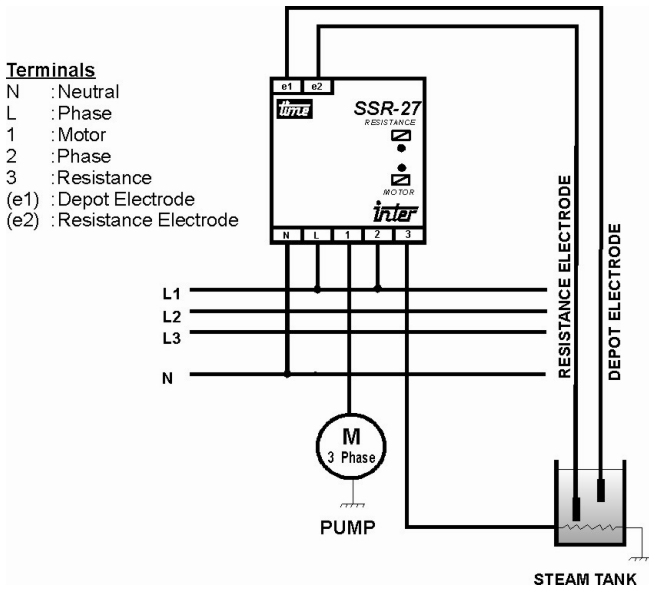


Figure-1 SSR-27 Connection Diagram

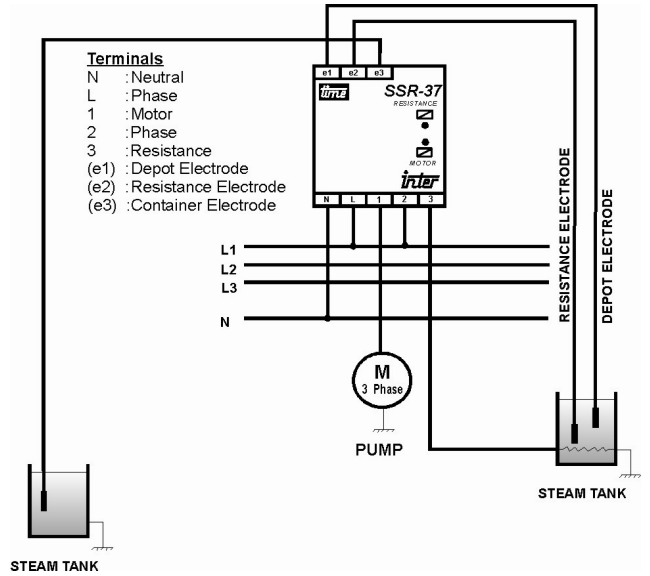


Figure -2 SSR-37 Connection Diagram

4. TECHNICAL SPECIFICATIONS

Operating Voltage (Un)	220VAC 1Phase + 1Neutral (The operation voltage of special production devices is specified on the sticker on the devices)
Operating Range	(0.8-1.2)xUn
Operating Frequency	50/60 Hz
Contact Output	250VAC-5A
Electrode Resistance	10K ohm-50K ohm.
Mounting Type	DIN Rail Mounted
Protection Class	IP 20
Plastic Materyal	V0 Nonflammable
Operating Temperature	-25°C ... +65°C
Weight	SSR-27: 280 gr., SSR-37: 295 gr.

5. SAFETY & WARNING INSTRUCTIONS

- Turn off power during connection/wiring.
- Check correct mains voltage/wiring terminal.
- Installation shall only be performed by qualified personnel.
- Do not use any solvent or alike for cleaning.

6. MECHANICAL DIMENSIONS

