

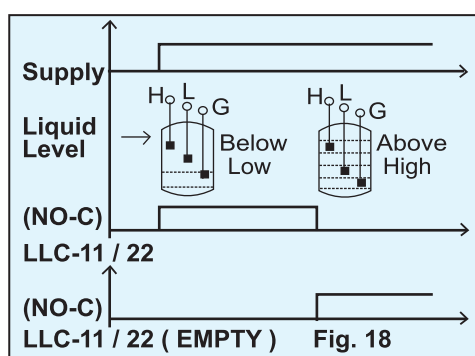
LIQUID LEVEL CONTROLLER



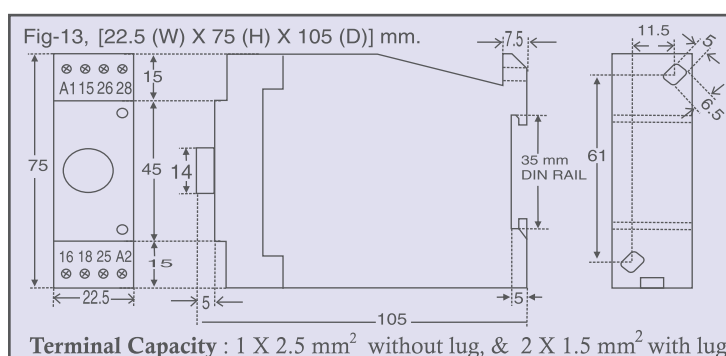
MODEL	FUNCTION	SUPPLY VOLTAGE
LLC-11	Single / Double Level Control-Adjustable Sensitivity of liquid	1) 24 V AC 2) 110 V AC
LLC-22	Single / Double Level Control-Fixed Sensitivity of liquid	3) 230 V AC 4) 415 V AC

- Model : LLC-11 & LLC-22, Output Logic : Filling (Suction) of tank.
- Model : LLC-11 (EMPTY) & LLC-22 (EMPTY), Output Logic : Emptying (Delivery) of tank. (Refer Fig. : 18)
- Applicable for (1) Electrically Conductive (Sensitive) liquid like water and (2) Electrically Non-Conductive liquid like diesel, Oil etc.
- Input Sensor (1) For conductive liquid, use a three sensing electrode [High (H), Low (L), Ground (G)] of suitable electrically Conductive metal (like stainless steel) and (2) For Non-Conductive liquid, use a two set [High (H) & Low (L)] of float type magnetic reed switch sensor.
- Liquid Sensing to relay tripping time delay is less than 1 sec.
- Electrode Maximum Voltage : 24VAC & Current : 1 mA (50/60 Hz)
- Galvanic isolation via transformer.
- Relay Output : One change over (1CO), 5A@230VAC/28VDC resistive load.
- Size : [22.5(W)x75(H) x 105(D)] mm. (Refer Fig.13)
- 35 mm. Rail Mounting or Screw Mounting.
- Order Code : MODEL-SUPPLY, Ex.: LLC-11-230V.

TIMING DIAGRAM



OVER ALL MOUNTING DIMENSIONS (in mm)

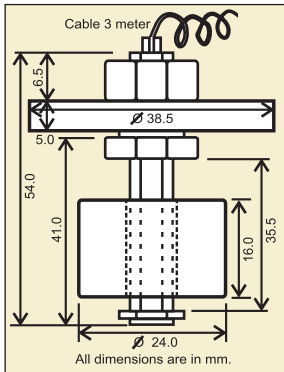


Liquid Level Sensor 1. LLC PROBE / ELECTRODE



- For electrically conductive liquid, three sensing probes for High (H), Low (L) & Ground (G) levels, suspended type mounting.
- Probe material of contact / connection : SS316
- Probe outer insulation : Engineering grade plastic - Delrain.
- Probe Dimensions : 70 mm Height x 18 mm O.D., Cylinder.
- Working Temperature Range :- 20'c to +80'c.

Liquid Level Sensor 2. MAGNETIC FLOAT TYPE



Working Principle :

- It is hanged in liquid tank through its wire or fixed by its plastic nuts. With the liquid level, the magnetic float goes up / down approx.19 mm, which turns on / off the internal reed switch.
- It is applicable for electrically non conductive liquid like diesel, oil etc and for electrically conductive liquid like water, milk etc, also.

Specification :

- External body / housing material : PP (Poly proplene) plastic.
- Output Switching Capacity :1.2 amp @ 230vac / 24 vdc, resistive load.
- Working temperature range :- 20' c to +80' c. • Shockproof plastic molded body.
- It is air tight sensor, there is no contact of conducting element with the liquid, air, moisturizer, dust etc,- no salt formation, rusting or scaling.

