

Liquid Level Controller.



Features:

Easy to install

Suitable for all types of AC motor (Single phase motor - Monoblock, Jet Pump, etc.) operated by switch / MCB.

Adjustable sensitivity level from 1k to 200k Ohm

Includes provision for Manual start

Protects submersible pumps against dry running and prevents overfilling

Enables maximum utilization of incoming liquid (e.g. water) supply

Specially designed corrosion and shock resistant sensors to ensure trouble free operation.

Long Life

Cat. No. Parameters	4411AD1	4421AD1	4431AD1
Supply Voltage (—)	110VAC, +/-20%	240VAC, +/-20%	400VAC, +/-20%
Frequency	47Hz - 63Hz		
Power Consumption (Max.)	3VA		
Device Characteristics			
Conductive Sensor Probes	Stainless Steel SS304, 3 or 6Nos		

Liquid Level Controller.

Sensor Length	10 cm
Control Action Modes	Only Draining, Only Filling, Draining & Filling Simultaneous (One Tank or Two tanks)
Sensitivity	1K to 200 K Ohm (Potentiometer adjustable)
Sensor Voltage & Current	12 Vp-p, 100 Hz, < 1 mA
Sensor cable	Cable gauge (Min):0.5 sq mm Tin coated, Cable dia(Min):1.5mm Max Cable Length-1000m (For set value < 50%) Max Cable Length-300m (For set value 100%) Max capacitances of wire- 80 nF / km
Manual Start Switch	If Lower tank water level is greater than Low level & upper tank water level is below High level then by pressing a switch Relay can be switched ON manually.
Output Control Mode	Relay ON/OFF
Contact Ratings	1 C/O,8A@250VAC,Resistive,Terminal 15-Pole, Terminal 16-NC,Terminal 18-NO
Utilization Category	AC-15: Rated Voltage (Ue):120/240V, Rated Current(Ie): 3.0/1.5A DC-13: Rated Voltage (Ue):24/125/250V, Rated Current(Ie): 2.0/0.22/0.1A
Electrical Life	1 x 105Operations
Mechanical Life	1 x 107Operations
LED Indication	GREEN LED: Power ON, RED LED : Relay Output ON
Operating Temperature	-10°C to +60°C
Storage Temperature	-10°C to +70°C
Relative Humidity	5 to 95 % RH (non condensing)
Mounting	Base/DIN Rail
Dimension (W x H x D) (in mm)	36 X 90 X 65
Weight (unpacked)	235 g (Controller), 45 g (Sensor)