

Liquid Level Control - Alternating Relay

LLC5 / ARP Series

Octal Plug-in – Relay Output



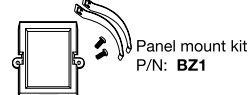
- Dual Probe Level Control for Conductive Liquids
- Onboard Knob Adjust Sensing up to 100KΩ
- Select Fill or Drain Operation
- LED Indicator Reduces Adjustment Time
- 5 A SPDT Isolated Contacts

Complete Product Details:
<http://www.ssac.com/pp1.htm>

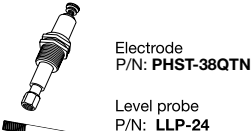
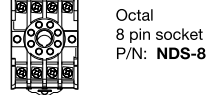


- Provides Equal Run Time for Two Motors
- Alternating or Electrically Locked Operation
- Low Profile Selection Switch
- 10 A Relay Contacts
- LED Status Indication
- Industry Standard Base Connection

Mounting and Connection Accessories



35mm DIN rail or surface mounting



See accessory pages

LLC5 Series Plug-in, Dual Probe, Liquid Level Control

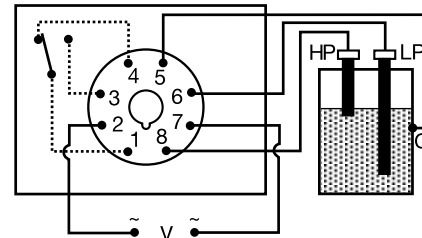
The LLC5 provides dual probe conductive liquid level control in a convenient octal plug-in package. Transformer isolated AC voltage on the probes prevents electrolytic plating. Less than 1 mA of current is used to sense the presence of conductive liquid between the probes and common. The sensitivity adjustment eliminates false tripping caused by floating debris and foaming agents.

Operation

Drain (Pump Down Mode): When the liquid level rises and touches the high level probe, the output relay energizes and remains energized until the liquid level falls below the low level probe.

Fill (Pump Up Mode): When the liquid level falls below the low level probe, the output relay energizes and remains energized until the liquid level rises and touches the high level probe.

Connection



Connect common to conductive tank.
 HP = High Level Probe LP = Low Level Probe
 C = Probe Common V = Voltage

Dashed lines are internal connections.
 Accessory sensing probes are required.

Technical Data

Output	Rating	5 A resistive at 240 V AC; 1/10 hp at 240 V AC
Mechanical	Mounting and Connection Package	35mm or surface mounting, requires an accessory 8 pin (Octal) socket 3.2 x 2.39 x 1.78 in. (81.3 x 60.7 x 45.2 mm)

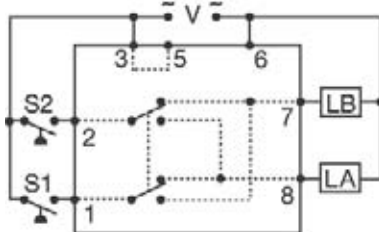
Ordering Table

Part Number	Voltage	Function	Adjustable Range (ohms)
LLC54AA	120 VAC	Drain	0...100 K
LLC54BA		Fill	

ARP Series Plug-in, Alternating and Duplexing Relay

The ARP Series is used in systems where equal run time for two motors is desirable. The selector switch allows selection of alternation or either load for continuous operation. The LED's indicate the status of the internal relay and which load is selected to operate. This versatile series may be front panel mounted (BZ1 accessory required) or 35 mm DIN rail mounted with an accessory socket.

Connection



V = Voltage LA = Load A LB = Load B
 S1 = Primary Control Switch S2 = Lag Load Switch
 Dashed lines are internal connections.

Note: S1 and S2 must be rated for the Load (LA & LB) voltage and current.

DPDT 8 Pin Cross Wired

Duplexing (Cross Wired): Duplexing models operate the same as alternating relays and when both the Control (S1) and Lag Load (S2) Switches are closed, Load A and Load B energize simultaneously.

The DPDT 8-pin, cross wired option, allows extra system load capacity through simultaneous operation of both motors when needed. Relay contacts are not isolated.

Technical Data

Output	Rating	10 A resistive at 120/240 V AC and 28 V DC; 1/3 hp at 120/240 V AC
Mechanical	Mounting and Connection Package	35mm or surface mounting, requires an accessory 8 pin (Octal) socket 3.2 x 2.39 x 1.78 in. (81.3 x 60.7 x 45.2 mm)

Ordering Table

Part Number	Voltage	Function	Adjustment
ARP43S	120 VAC	Cross Wired Duplexor	Selector Switch