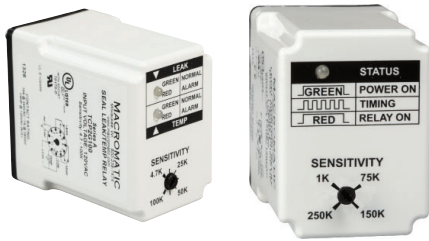


SINGLE PROBE | PUMP UP & PUMP DOWN

LCP SERIES



- ◆ Controls Level of Conductive Liquids in Pump Up (Fill) or Pump Down (Drain) Applications
- ◆ Single Probe
- ◆ Probe is Pulsed with a DC Voltage to Prevent Electroplating
- ◆ Factory-Fixed Time Delay of 1-60 Seconds Prevents Rapid Cycling
- ◆ Two Adjustable Sensitivity Ranges
- ◆ LED Status Indication
- ◆ Uses industry-standard 8 pin octal socket
- ◆ Pilot Duty Rating



LCP Series Liquid Level Control Relays detect and control levels of conductive liquids (tap water, seawater, sewage, chemical solutions, coffee, ice cream, etc.) in single probe pump up or pump down applications. The conductive properties of the liquid complete a circuit between a probe and common when the liquid comes in contact with both. These relays compare the value of the measured resistance between probes with the setpoint of the adjustable potentiometer provided on the product. The output of the relay is used to control pumps, solenoids or valves to lower, raise or maintain the level of the liquid in the tank. Probes are pulsed with a DC voltage to prevent potential electroplating issues. A built-in time delay prevents rapid cycling.

Two versions of Single Probe products are available:

- **Pump Up (Fill):** The relay is OFF as long as the liquid is in contact with the probe. The relay energizes after a fixed time delay when the liquid level drops below the probe. The relay de-energizes when the liquid level touches the probe.
- **Pump Down (Drain):** The relay is OFF as long as no liquid is in contact with the probe. The relay energizes after a fixed time delay when the liquid level touches the probe. The relay de-energizes when the liquid level falls below the probe.

Single Probe

FUNCTION	CONTROL VOLTAGE	SENSITIVITY RANGE	PRODUCT NUMBER ◆	WIRING/SOCKET
PUMP UP (FILL)	24V AC	4.7K to 100KΩ 1K to 250KΩ	LCP8A100F◆ LCP8A250F◆	<p>DIAGRAM 203</p>
	120V AC	4.7K to 100KΩ 1K to 250KΩ	LCP2A100F◆ LCP2A250F◆	
	240V AC	4.7K to 100KΩ 1K to 250KΩ	LCP1A100F◆ LCP1A250F◆	
PUMP DOWN (DRAIN)	24V AC	4.7K to 100KΩ 1K to 250KΩ	LCP8B100F◆ LCP8B250F◆	
	120V AC	4.7K to 100KΩ 1K to 250KΩ	LCP2B100F◆ LCP2B250F◆	
	240V AC	4.7K to 100KΩ 1K to 250KΩ	LCP1B100F◆ LCP1B250F◆	

- ◆ Complete Product Number by adding time delay in one second increments between 1 & 60, i.e., LCP2A100F2 is a Single Probe Pump Up Relay, 120V Input Voltage, 4.7K-100KΩ Sensitivity with a Fixed 2 Second Delay

Sockets & Accessories available



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