

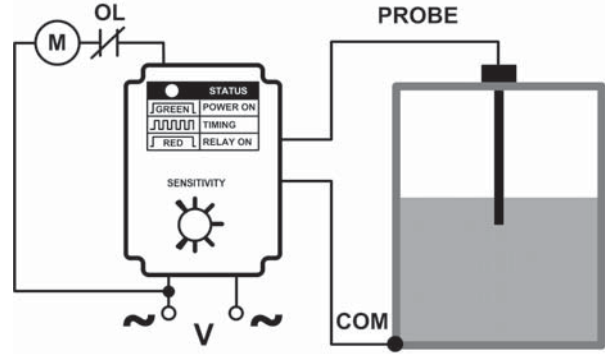
SINGLE PROBE | PUMP UP & PUMP DOWN

LCP SERIES

OPERATION

Pump Up (Fill): When the liquid level falls below the probe, a fixed time delay begins and the LED flashes Red. This time delay prevents rapid cycling of the output relay and its load. At the end of the time delay, the output relay energizes and the LED is Red ON. The pump is ON to fill the tank. The relay remains energized until the liquid level rises and touches the probe. The output relay de-energizes, turning off the pump, and remains de-energized and the LED is Green ON until the liquid level falls below the probe.

Pump Down (Drain): When the liquid level rises and touches the probe, a fixed time delay begins and the LED flashes Red. This time delay prevents rapid cycling of the output relay and its load. At the end of the time delay, the output relay energizes and the LED is Red ON. The pump is ON to drain the tank. The relay remains energized until the liquid level falls below the probe level. The output relay de-energizes, turning off the pump, and remains de-energized and the LED is Green ON until the liquid level rises and touches the probe.



If the container is non-conductive or insulated, an additional probe must be installed as the COM connection where it will always be submerged.

APPLICATION DATA

Voltage Tolerance:

AC Operation: +10/-15% of nominal at 50/60 Hz.

Load (Burden):

2 VA

Probe Voltage:

5V DC Pulsed

Resistance Sensitivity Range:

4.7K - 100KΩ or 1K - 250KΩ

Response Time:

Pick-up: Fixed in one second increments from 1-60 seconds
(Minimum Quantities may apply)

Drop-out: 500ms

LED Indicator:

Green ON with Input Voltage applied; Red Flashing during timing;
Red ON when relay energized

Temperature: Operating: -28° to 65°C (-18° to 149°F)
Storage: -40° to 85°C (-40° to 185°F)

Output Contacts:

10A @ 240V AC / 7A @ 28V DC, 1/4HP @ 120V AC (N.O.)

Life:

Mechanical: 10,000,000 operations

Full Load: 100,000 operations

Mounting:

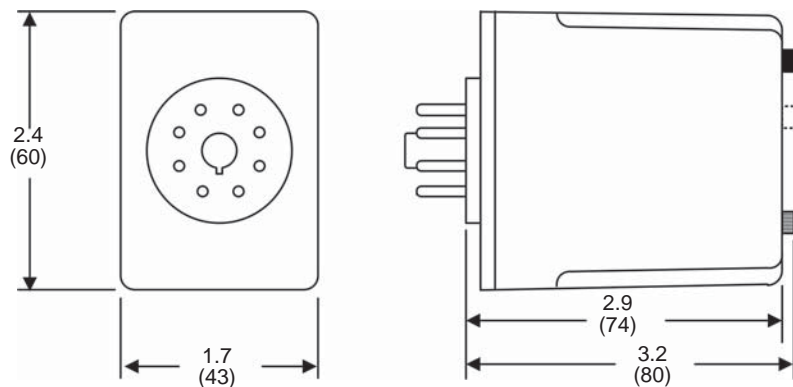
Requires Industry-Standard 8 Pin Octal Socket
(Macromatic 70169-D or equivalent)

Approvals:



with appropriate socket
File #E109466

DIMENSIONS



All Dimensions in Inches (Millimeters)

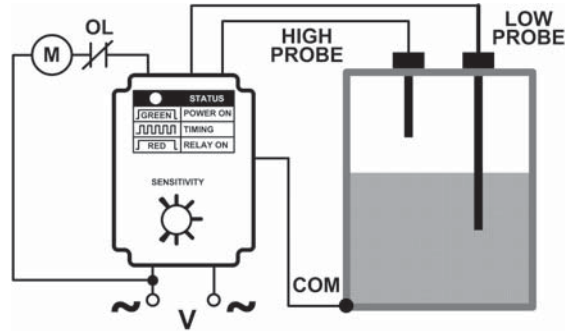
DUAL PROBE | PUMP UP & PUMP DOWN

LCP SERIES

OPERATION

Pump Up (Fill): When the liquid level falls below the low level probe, the output relay energizes and the LED is Red ON. The pump is ON to fill the tank. The relay remains energized until the liquid level rises and touches the high level probe. The output relay de-energizes, turning off the pump, and remains de-energized and the LED is Green ON until the liquid level again falls below the low level probe.

Pump Down (Drain): When the liquid level rises and touches the high level probe, the output relay energizes and the LED is Red ON. The pump is ON to drain the tank. The relay remains energized until the liquid level falls below the low level probe. The output relay de-energizes, turning off the pump, and remains de-energized and the LED is Green ON until the liquid level rises and touches the high level probe.



If the container is non-conductive or insulated, an additional probe must be installed as the COM connection where it will always be submerged.

NOTE: the Connection Diagram shown above is for Functions C & D (Wiring Diagram 197). If other Dual Probe Functions are used (E, G, H or J), please check appropriate Wiring Diagram on the product label.

APPLICATION DATA

Voltage Tolerance:

AC Operation: +10/-15% of nominal at 50/60 Hz.

Load (Burden):

2 VA

Probe Voltage:

5V DC Pulsed

Resistance Sensitivity Range:

4.7K - 100KΩ or 1K - 250KΩ

Response Time:

Pick-up: One second

Drop-out: One second

LED Indicator:

Green ON with Input Voltage applied; Red Flashing during timing;
Red ON when relay energized

Temperature: Operating: -28° to 65°C (-18° to 149°F)
Storage: -40° to 85°C (-40° to 185°F)

Output Contacts:

10A @ 240V AC / 7A @ 28V DC, 1/4HP @ 120V AC (N.O.)

Life:

Mechanical: 10,000,000 operations

Full Load: 100,000 operations

Mounting:

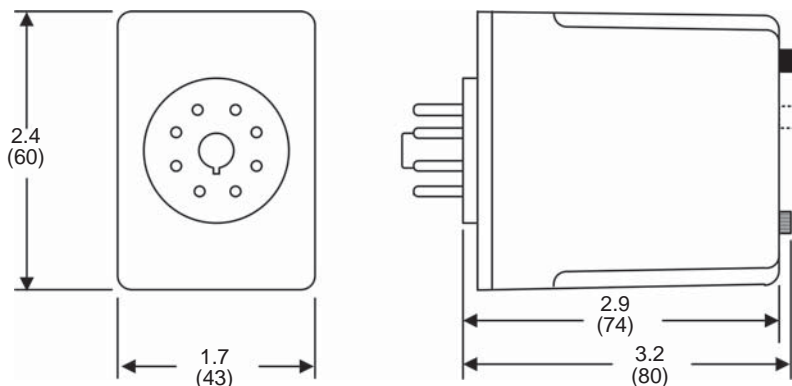
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DIMENSIONS



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