

# L2N

## LIQUID LEVEL CONTROL DUAL PUMP DOWN/PUMP UP

UL listed

- **Monitors Emptying and Filling Operations**
- **Prevents Pump Running Dry**
- **5 kΩ to 100 kΩ sensitivity**

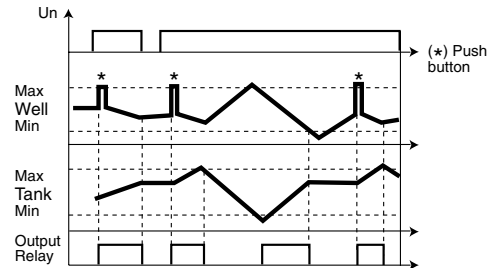


### OPERATING PRINCIPLE:

#### Combined Fill/Empty Function

The output relay changes state when the level of liquid in the tank reaches the “max” electrode, with the “min” electrode submerged. It returns to its initial state when the “min” sensor is no longer in contact with the liquid. When the level of liquid in the well reaches the “min” electrode, the pump stops.

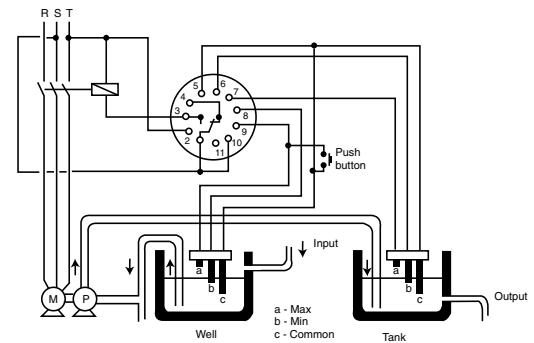
If, on power-up or after a power break, the “max” electrode in the tank is above the surface, reset the device by pressing the PB pushbutton.



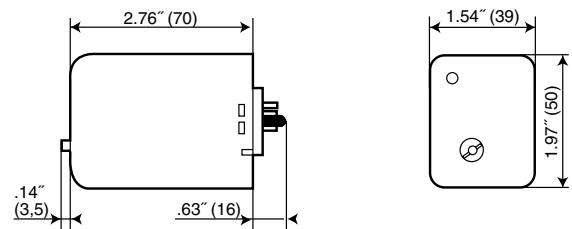
### SPECIFICATIONS:

Input power	24, 110, 230 VAC
	±15%, 50/60 Hz
Max. power consumption	3 VA
Adjustable sensitivity	5 K ohm to 100 K ohm
Measurement accuracy	
(at maximum sensitivity)	0 to 30%
Electrode voltage (maximum)	24 VAC, 50/60 Hz
Electrode current (maximum)	1 mA 50/60 Hz
Maximum cable capacity	10 nF
Response time:	
high level:	300 ms
low level:	500 ms
Galvanic insulation by transformer	Class II VDE 0551
(4 KV, 8mm creepage distance)	
Insulation of contacts and electrodes	2.5 K VAC
from power supply	
Output	SPDT relay
Contact material	AgCdO
Maximum loading	8 Amp resistive
Minimum switching voltage	250 VAC
Operating temperature	-4°F to 140°F, (-20°C to 60°C)
Storage temperature	-22°F to 158°F, (-30°C to 70°C)
Weight	4.9 oz. (140g)

### WIRING:



### DIMENSIONS: inches (mm)



### ORDERING INFORMATION:

Voltage	Part Number
24 VAC	84 870 401
120 VAC	84 870 403
230 VAC	84 870 404

Products and specifications subject to change without notice.  
Consult factory for application assistance.