

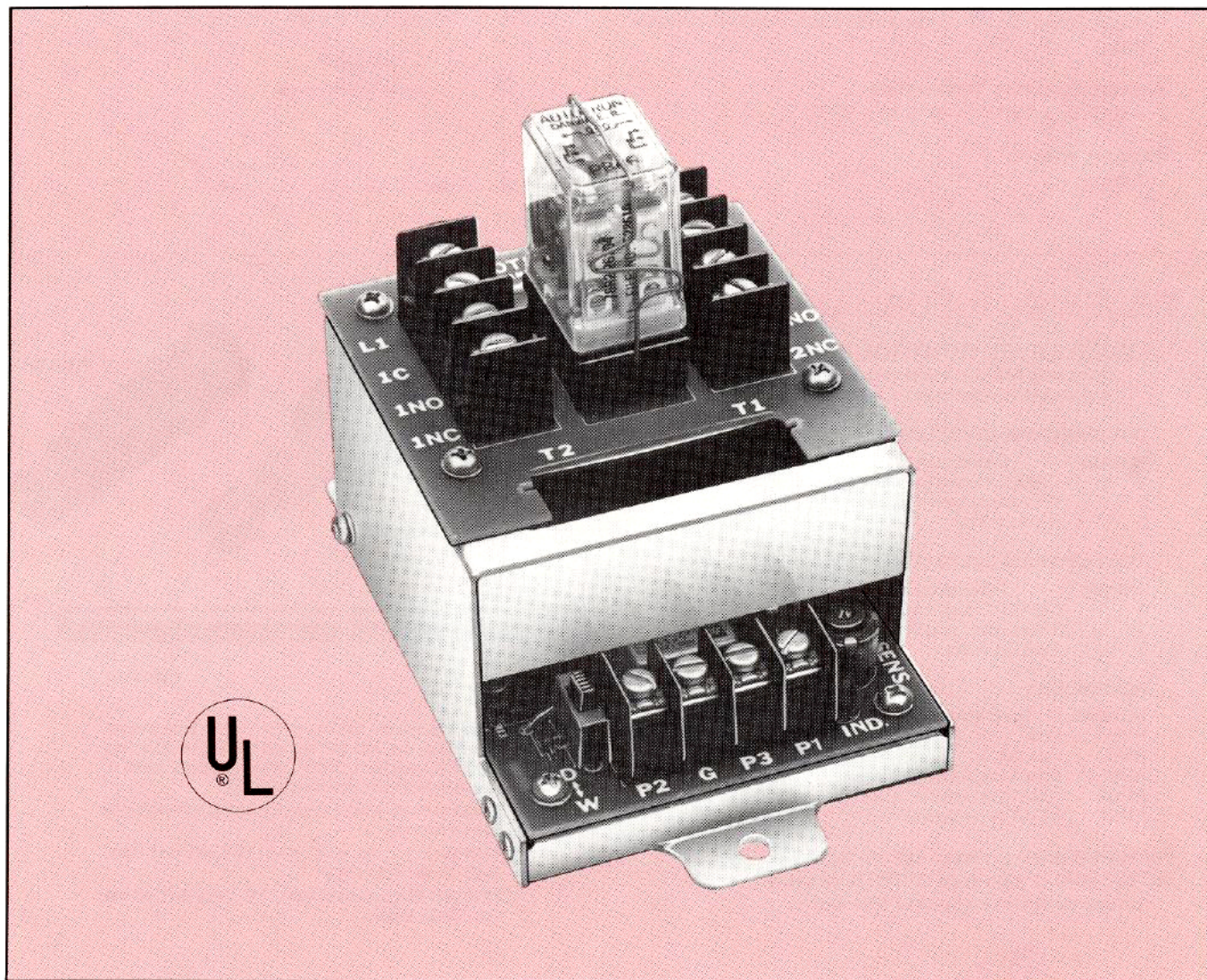


CN Series Liquid Level Controls

CN Series Controls offer a highly accurate way of detecting liquid level by the theory of conductivity. The compact design is a panel space-saver or can be supplied in its own case. Plug-in function cards and optional outputs are available to adapt the control to any application. A red LED indicator glows when liquid is detected.

Liquids up to 10 megohms total resistance between the electrode and ground can be detected. Acids, bases, salts, milk, beer, water and ammonia fall into this category. As illustrated on the back, the

liquid level electrode may be installed above the maximum liquid level with rods extending down to the desired level control points (Fig. 2) or they may be installed in 1/2" iron pipe fittings through the tank walls (fig. 3). The two-electrode system (frequently referred to as pump up/pump down) ordinarily reduces the operating frequency of pumps, valves, etc. With this system the control STOPS liquid input when the liquid makes contact with the high level electrode. Liquid input remains stopped until the liquid falls below the low level electrode when the control STARTS liquid input.



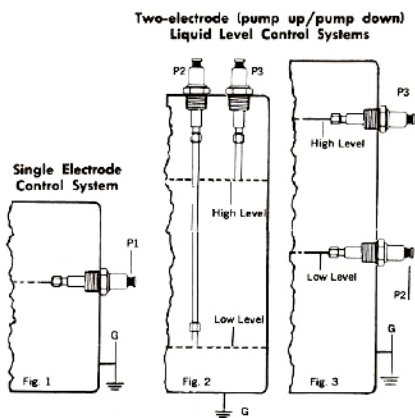
Conductive Detection • Highly Accurate

FEATURES

1. 10 megohm maximum liquid resistance
2. Sensitivity adjustment is standard.
3. Plug-in 10 Amp DPDT relay.
4. Control can be mounted remotely.
5. Plug-in function cards.

OPTIONS (not UL listed)

- Plug-in logic or solid-state AC switch output
- Optional input voltages:
 - 12 VAC 50-60 Hz
 - 12 VDC
 - 24 VAC 50-60 Hz
 - 24 VDC
 - 230 VAC 50-60 Hz
 - 120 VAC 50-60 Hz



SPECIFICATIONS

Input:

120V ± 10% 60 Hz

Power Consumption:

5VA

Output:

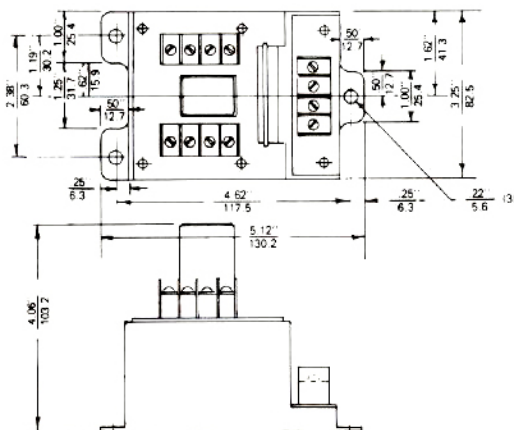
Relay; Plug-in DPDT contacts rated 10A, 120VAC resistive load.

Ambient Operating Temperature:

- 40°F to + 130°F (- 40°C to + 55°C)

Shipping Weight:

2 lbs.



ORDERING INFORMATION

LIQUID LEVEL CONTROL PAKS

Order rods, hex nuts, connecting cable and enclosures separately as required

ONE ELECTRODE LIQUID LEVEL

Quantity	Description
1	CNPF303 Liquid Level Control
1	P304 Liquid Level Electrode
1	P305 Dri-Seal

TWO ELECTRODE LIQUID LEVEL

Quantity	Description
1	CNPF303 Liquid Level Control
2	P304 Liquid Level Electrodes
2	P305 Dri-Seals

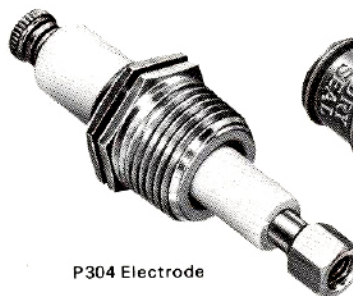
ACCESSORIES

Model No.	Description
P309	Rod
P310	Hex Nut
#8761	Connecting Cable (Belden)
P1099	NEMA 1 enclosure
P1027	NEMA 12 enclosure

For current pricing, please call the factory at 800-637-2648 or your local AUTOTRON sales representative or authorized distributor.



P310 Hex Nut



P304 Electrode



P305 Dri-Seal



P309 Rod

P304 Electrode, Mounting 1/2" male pipe thread. Connecting nut, hex 3/8" across the flat, 1/4-20 thread 2500 PSI maximum, 700°F. Metal parts are made of 18-8 non-magnetic stainless steel.

P305 Dri-Seal, elastic cover for wiring connection to P304 electrode.

P309 Rod, 1/4" dia. x 12" long, 18-8 stainless steel, 1/4-20 thread both ends.

P310 Hex Nut, stainless steel, 7/8" long, 3/8" across flats, 1/4-20 thread.



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