AquaMetrix Model LL3J445 Level Controller Installation Instructions

Liquid Level Controller Model LL3J445 are suitable for use in solutions having conductivity of 15 microSiemens / cm or greater.

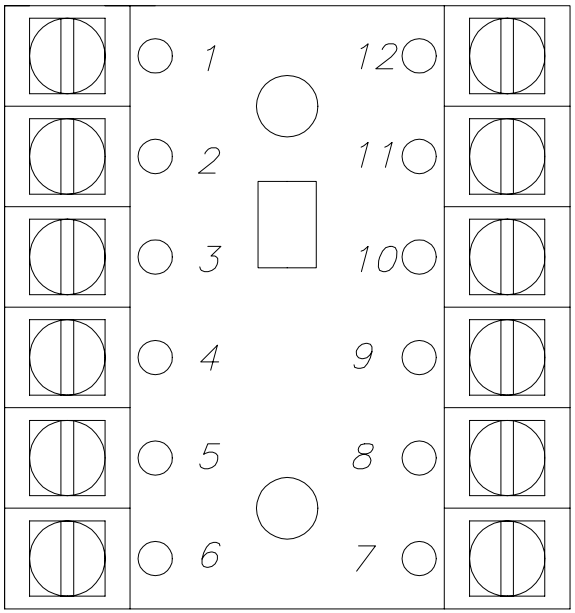
The LL3J445 controller operate on the principal of electrolytic conductivity. All aqueous solutions conduct electricity. The degree of conductivity is directly related to the amount of dissolved particles in the solution. The purer the water the less conductive the solution will be. By placing 2 metal rods into the solution and applying a voltage across them, we can detect when the solution rises to make contact with both electrodes, completing the electric circuit. The LL3J445 have a sensitivity adjustment, which can be used to detect to either foam or liquid. Because foam is less conductive than the solution, by decreasing the sensitivity of the unit the foam will not be detected.

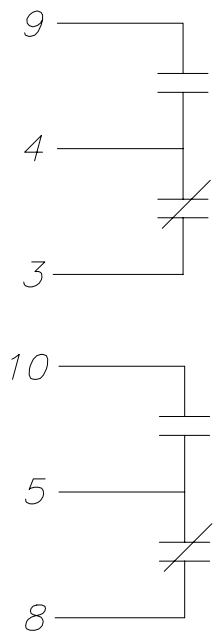
Specifications:

Input Power	120VAC 50/60Hz
Number of electrodes	2, ground, single level
Relay Contact	DPDT Form C 10A resistive at 250VAC 1/3HP
Max. Interconnect Length	100 Meters (323ft)
Sensing Circuit Resistance	40K maximum (Adjustable)

Single Level Service / High Alarm or Low Level Cutoff

Wire the LL3J445 as per Diagram on overleaf.
Normally open load contacts close when liquid contacts both electrodes and open when liquid fall below electrode. Connect E1 to tank if metallic and grounded. For ungrounded tank connect a second electrode to E1, which must always be immersed in liquid.





1 → GROUND

2 → L1

120VAC 50/60Hz

11 → L2

7 → ELECTRODE

MAX. SENSITIVITY 40K

6 → ELECTRODE

AquaMetrix Inc.
Industrial and Environmental Controls

WIRING DIAGRAM FOR
LL3J445
LIQUID LEVEL CONTROLLER

CODE IDENT NO.	SIZE	DRAWING NO.
		N104-9
SCALE: NTS		SHEET 01 OF 01