

Level Control Relay



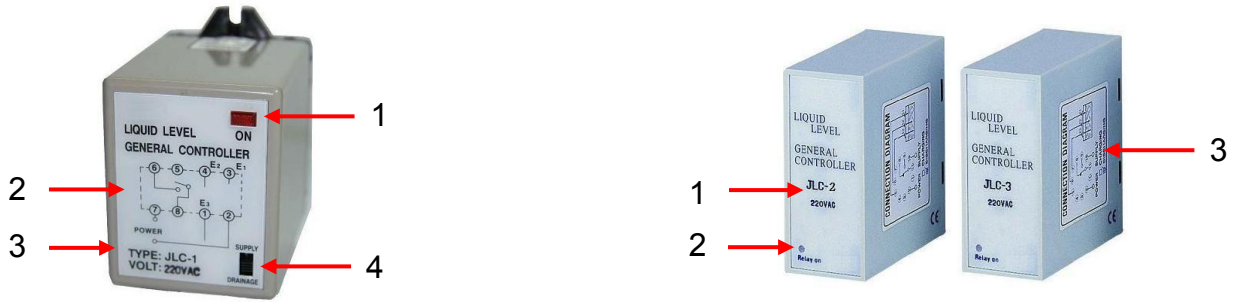
Application

This series is for controlling Liquid Level. When liquid is lower than low level, the controller starts to supply water. Oppositely, it's automatically drainage on high limit.

Features

1. Adapting to use for any kind of electric conduction liquid level which is less than 40K Ω .
2. Adapting to use for AC power.
3. With surging power protection to prevent the disturbance from electric surge.
4. Electrode head using with lower AC voltage is suggested.




Panel Function



	MARKS
1	Action indication
2	Diagram
3	Model no.
4	Selector switch

	MARKS
1	Model no.
2	Action indication
3	Diagram

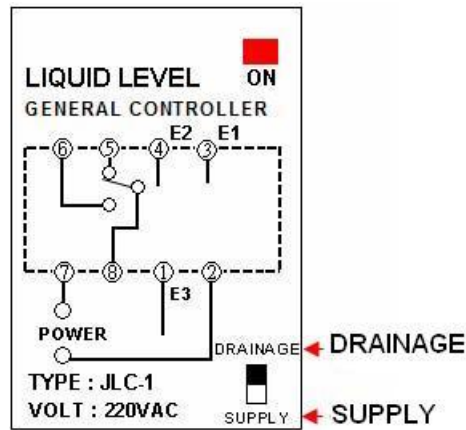
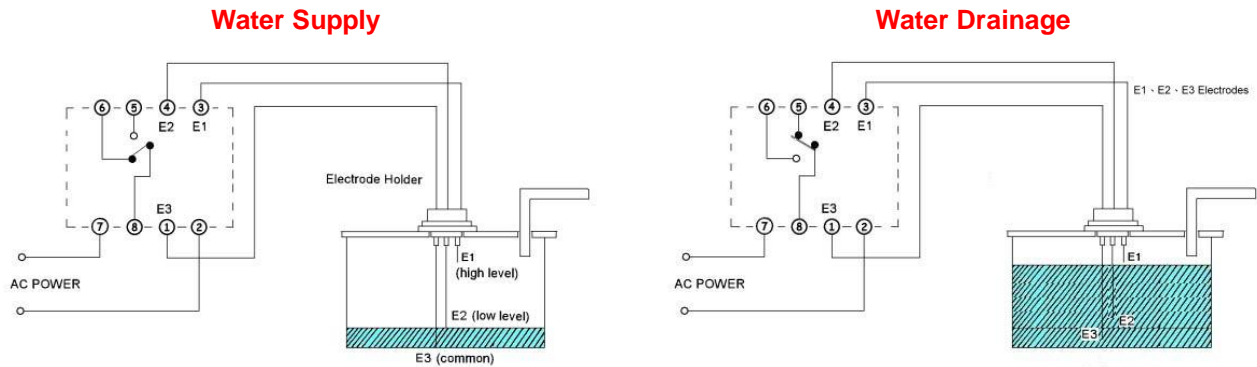
Standard Specification

Model	JLC-1	JLC-2	JLC-3
Appearance			
Features	Water Supply or Water Drainage for controlling conductive liquids under 40 K Ω	Water Supply for controlling conductive liquids under 40 K Ω	Water Drainage for controlling conductive liquids under 40 K Ω
Surface Mounting	Socket base 8PFA	Socket base P2CF11	Socket base P2CF11
Output Capacity	SPDT 7A / 250VAC		
Response time	Standard : 0.5 Sec		
Frequency	50Hz or 60Hz (Depend upon user's area)		
Rated Voltage (Range : 80~110%)	110VAC , 220VAC , 380VAC , 415VAC		
Life	Mechanically	10,000,000 Times	
	Electrically AC220V PF=1	500,000 Times	
Reset Time	0.2 Sec Max		
Ambient Temp	-10 $^{\circ}$ C ~ +55 $^{\circ}$ C		
Ambient Humidity	85% Max RH		

Connection & Operational Diagrams

Type : JLC-1

A. Wiring diagram

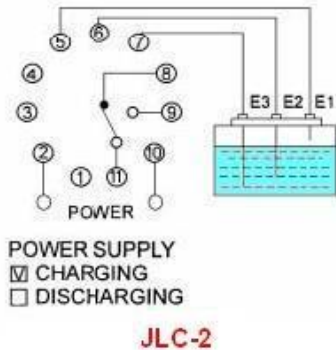


B. Explanation:

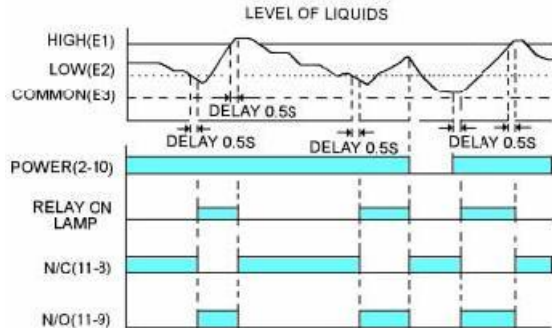
- Water Supply** : Output relay will be switched to ON (pin#8 & pin#6 connect) with 0.5sec duration when liquid level is below than E2(Low level) until level reaches E1(High level) lasting for over 0.5sec . And then relay OFF(pin#8-5).
- Water Drainage** : When liquid level is higher than E1, output relay will be switched (pin#8/5 connect) after 0.5 sec duration, and simultaneously pump starts to drain until level is downward under E2 (Low level) for over 0.5 sec then relay will transfer again (pin#8-6 connect) to stop drainage .

JLC-2

A. Wiring diagram



B. Timing

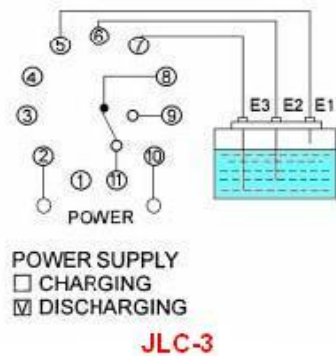


C. Explanation:

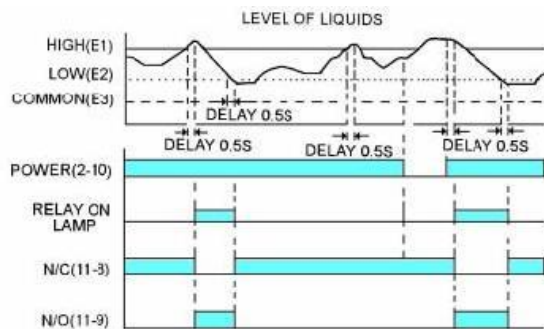
Output relay will be switched to ON (pin#11 & pin#9 connect) with 0.5 sec duration when liquid level is below than E2 (Low level) until level reaches E1 (High level) lasting for over 0.5 sec. And then relay OFF (pin#11 & pin#8 connect) .

JLC-3

A. Wiring diagram



B. Timing

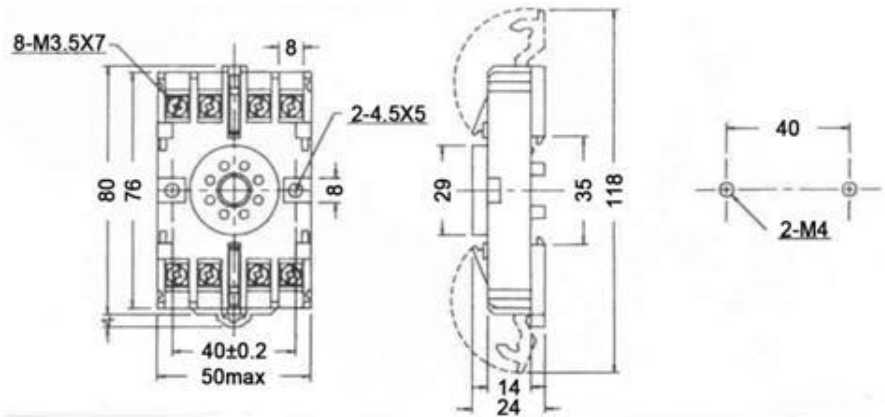
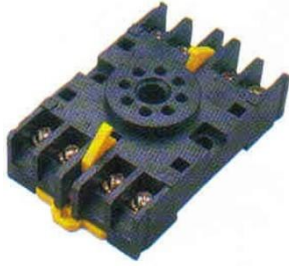


C. Explanation:

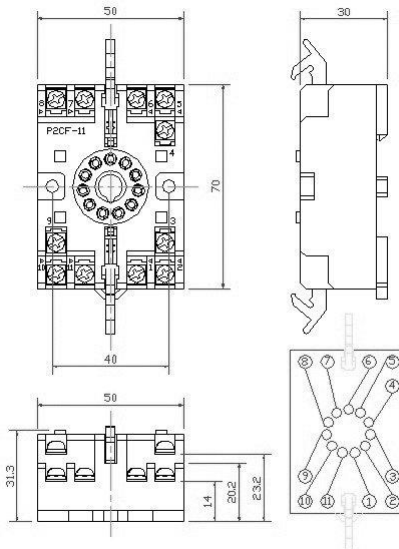
When liquid level is higher than E1, output relay will be switched to ON (pin#11 & pin#9 connect) after 0.5 sec duration, and simultaneously bump starts to drain until level is downward under E2 (Low level) for 0.5 sec then relay turns OFF pin#11 & pin#8 connect).

Socket Base

8PFA



P2CF11



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