

## Level Control Relay



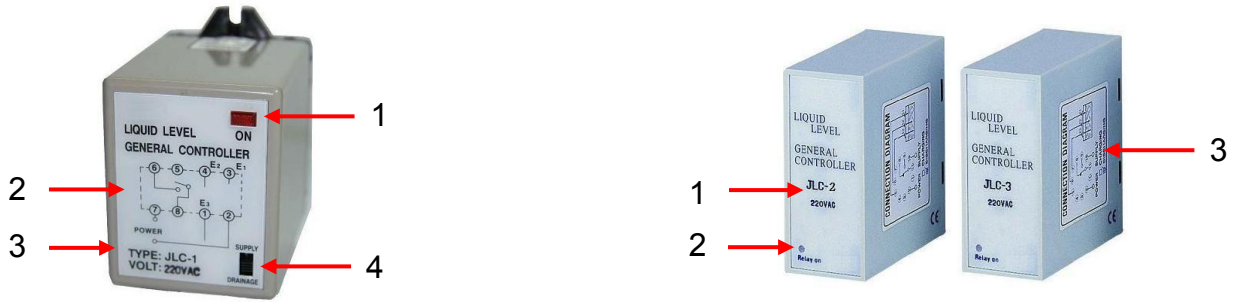
## Application

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 $\Omega$ .
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

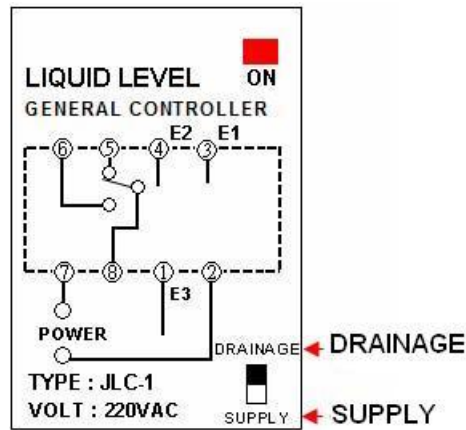
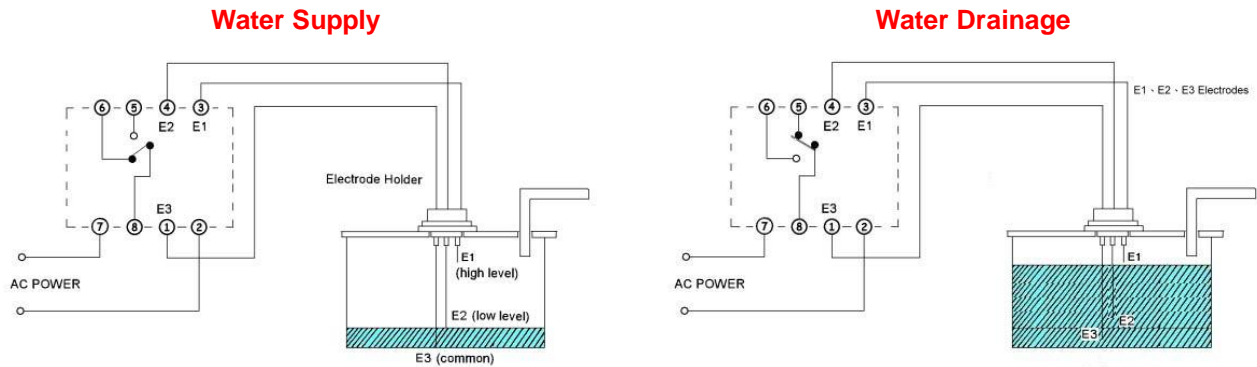
# Standard Specification

Model	JLC-1	JLC-2	JLC-3
Appearance			
Features	Water Supply or Water Drainage for controlling conductive liquids under 40 K $\Omega$	Water Supply for controlling conductive liquids under 40 K $\Omega$	Water Drainage for controlling conductive liquids under 40 K $\Omega$
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

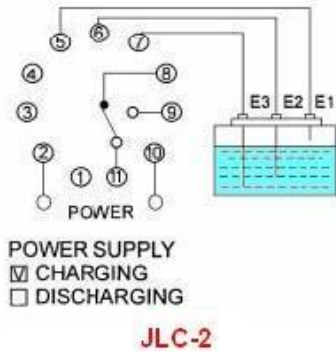


## B. Explanation:

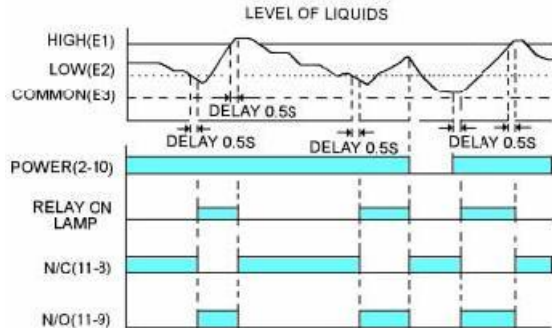
- Water Supply** : Output relay will be switched to ON (pin#8 & pin#6 connect) with 0.5sec duration when liquid level is below than E2(Low level) until level reaches E1(High level) lasting for over 0.5sec . And then relay OFF(pin#8-5).
- Water Drainage** : When liquid level is higher than E1, output 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**

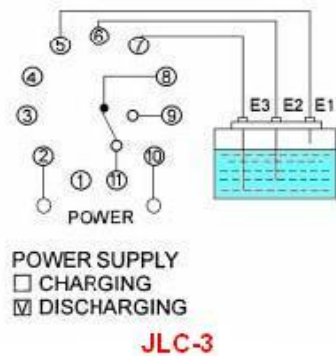


**C. Explanation:**

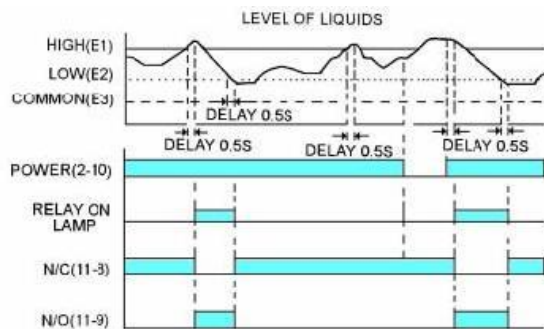
Output relay will be switched to ON (pin#11 & pin#9 connect) with 0.5 sec duration when liquid level is below than E2 (Low level) until level reaches E1 (High level) lasting for over 0.5 sec. And then relay OFF ( pin#11 & pin#8 connect) .

**JLC-3**

**A. Wiring diagram**



**B. Timing**

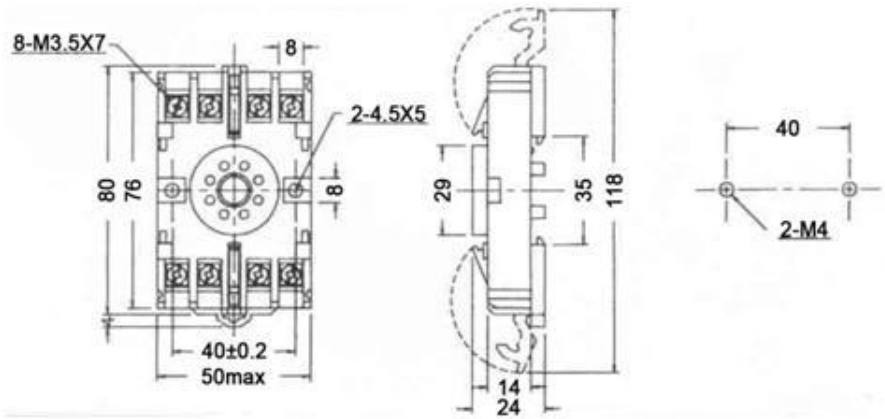
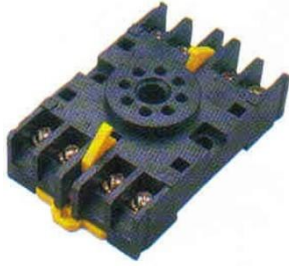


**C. Explanation:**

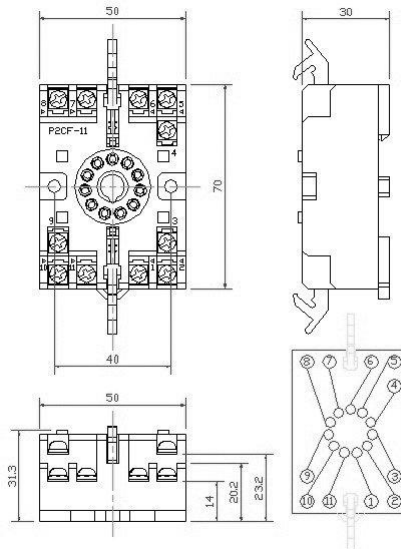
When liquid level is higher than E1, output relay will be switched to ON (pin#11 & pin#9 connect) after 0.5 sec duration, and simultaneously bump starts to drain until level is downward under E2 (Low level) for 0.5 sec then relay turns OFF pin#11 & pin#8 connect).

# Socket Base

## 8PFA



## P2CF11



# Contact

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