

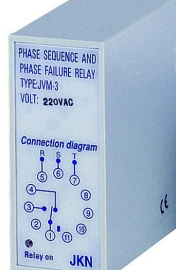

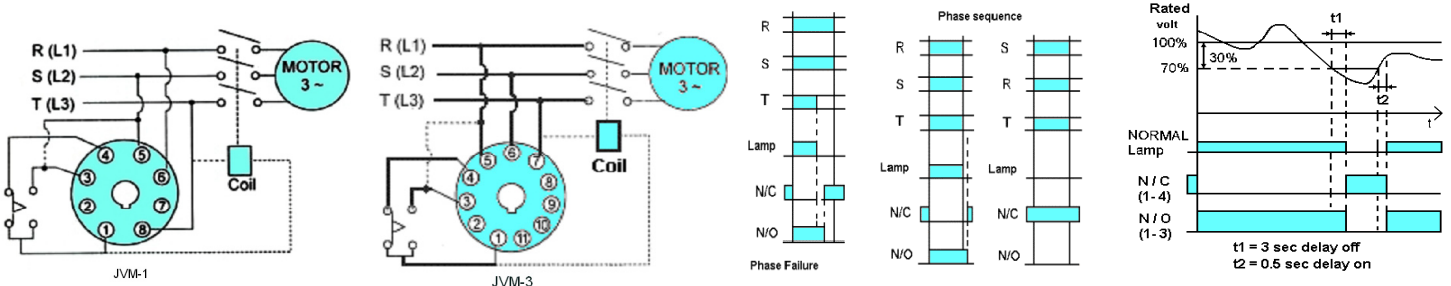


SELF-POWERED VOLTAGE DETECTING & PROTECTING RELAY

Model No.		JVM-1	JVM-2	JVM-3	JVM-4
Classification					
Appearance					
Features		Phase Failure Phase Sequence	Phase Failure Phase Sequence Over Voltage Under Voltage	Phase Failure Phase Sequence	Phase Failure Phase Sequence Over Voltage Under Voltage
Surface Mounting		Socket base 8PFA	Socket base 8PFA	Socket base P2CF11	Socket base P2CF11
Output Capacity		SPDT 7Amp / 250Vac			
Response Time of Relay		Delay on : 0.5 Sec Delay off : 3 Sec			
Frequency		50Hz or 60Hz (Depend upon user's area)			
Rated Voltage (Range:85%~110%)		3 Phase 220 , 380 , 415 , 440V	3φ : 220 , 380 , 415 , 440V 1φ : 110 , 220 , 380 , 415 , 440V	3 Phase 220 , 380 , 415 , 440V	3φ : 220 , 380 , 415 , 440V 1φ : 110 , 220 , 380 , 415 , 440V
LIFE	Mechanical	10,000,000 Times			
	Electrical AC220VPF=1	500,000 Times			
ACCURACY	Repeat		+/- 2% Max		+/- 2% Max
	Setting		+/- 10% Max		+/- 10% Max
	Voltage		+/- 2% Max		+/- 2% Max
	Temperature		+/- 2% Max		+/- 2% Max
Reset time		0.2 Sec Max			
Ambient temp. & Humidity		-10~55Deg.C , 85% Max			

CONNECTION & OPERATIONAL DIAGRAMS

TYPE : JVM-1 & JVM-3 (Phase failure / Phase sequence monitoring relay)

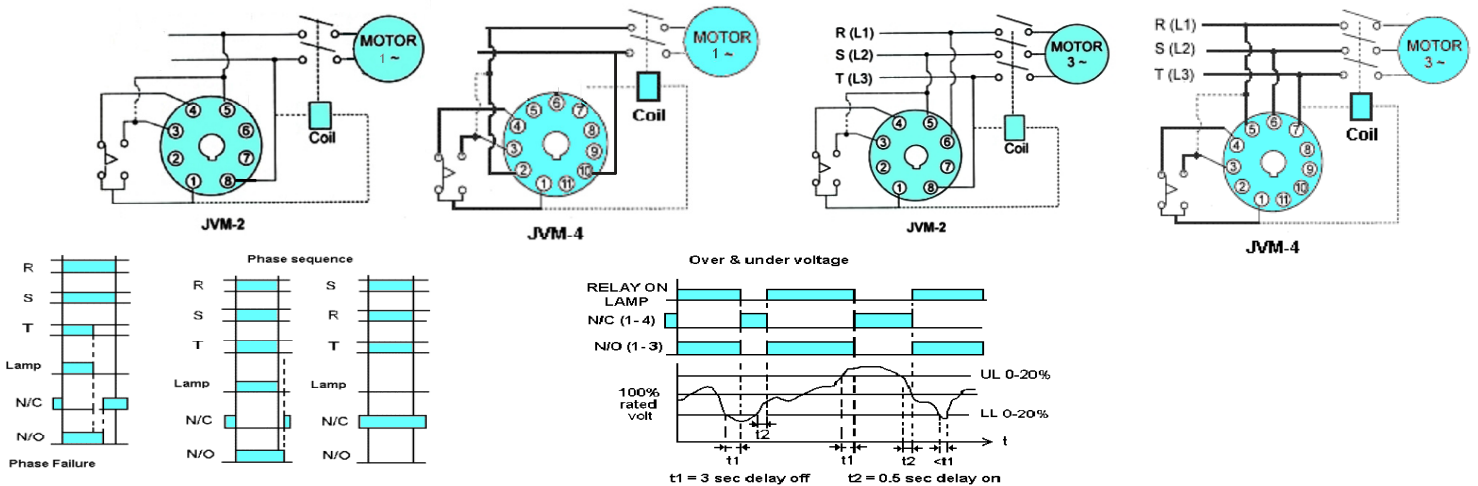


Output relay will be switched to ON (pin#1 & pin#3 close) immediately when power is applied to the unit with correct phase sequence and voltages
 In case of any phase failure or voltage drops below 70% of the rated voltage and lasts for 3 seconds, then the output relay will return to its original position (pin#1 & pin#4 close) to cut power until 3 phase voltage and phase sequence are correct.

TYPE : JVM-2 & JVM-4 (Phase failure / Phase sequence / Under volt. monitoring relay)

A . Single phase

B . Three phase



Output relay will operate to ON (pin#1 & pin#3 close) when power is applied to the unit normally, and simultaneously detect if supplied power voltages (single or three phase) are within the set vlotage range, and phase in correct sequence for three phase type.
 0% to 20% Knob-adjustable separately for over voltage and under voltage. If voltage is over or under than the setting voltage for over 3 second, then the output relay will be released to its original position (pin#1 & pin#4 close).