

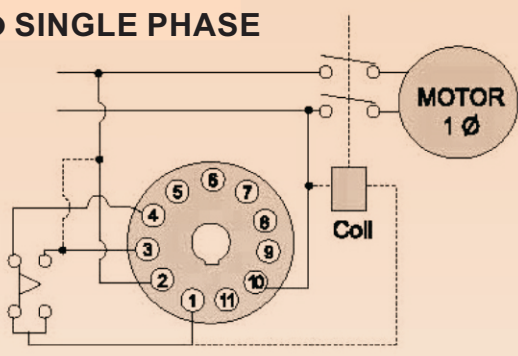


FEATURES

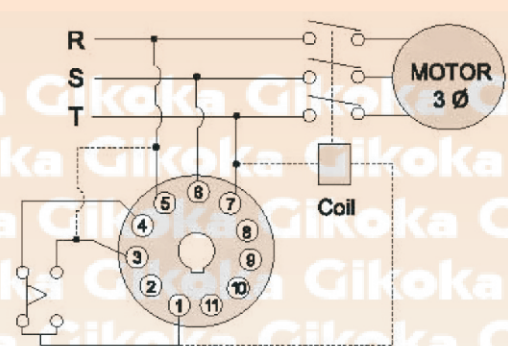
- The TVP is a range of phase failure/ phase sequence/ under voltage/over voltage protection relays to continuously monitor AC power supplies both single phase and three phase.
- Output relay will operate to ON (Pin 1& Pin 3 close) when power is applied to the unit normally, and simultaneously detect if supplied power voltage (single or three phase) are within the set voltage range, and phase in correct sequence for three phase type.
- 0%~20% knob-adjustable separately for over voltage and under voltage. If voltage is over or under than the setting voltage for over for over 3 second, then the output relay will be released to its original position (Pin 1 & Pin 4 close).

OPERATION CHART

● SINGLE PHASE

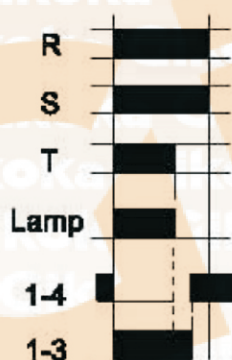


● THREE PHASE

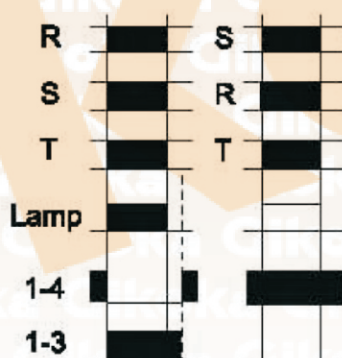


CONNECTION DIAGRAM

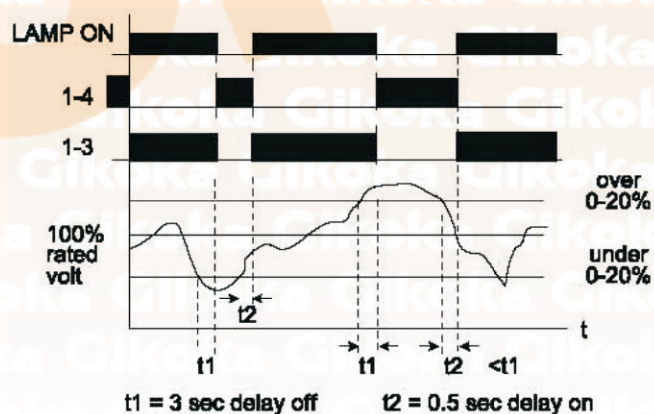
A. Phase Failure



B. Phase Sequence



C. Over & Under Voltage



TYPE	TVP001	TVP003
Rated Voltage	AC110,220V, 230V,380V, 415V,440V	AC220V,230V, 380V,415V, 440V
Frequency	50 or 60 Hz	
Response Time of Relay	DELAY ON : 0.5 Sec DELAY OFF : 3 Sec	
Contact Rating	250V AC 5A (P.F.=1)	
Mounting & Socket	SURFACE: PF113A	
Reset Time	0.2 Sec Max.	
Ambient Temp.	-10°C ~ +50°C	
Setting Error	±10% MAX.	
Repeat Error	±2% MAX.	
Voltage Error	±2% MAX.	
Temperature Error	±2% MAX.	