



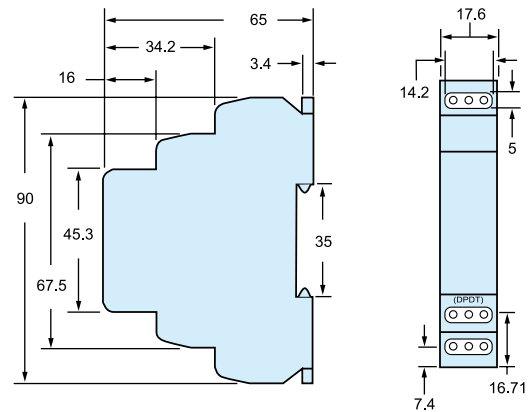
## TECHNICAL DATA

- The VP-005 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 (terminal 25 & terminal 28 close) when power is applied to the unit normally, and simultaneously detect if supplied power voltages (single or three phase) are within the set voltage range, and phase in correct sequence for three phase type.
- 5% to 20% Knob-adjustable separately for over voltage and under voltage. If voltage is over or under than the setting voltage for over 1-10 sec (adjustable), then the output relay will be released to it's original position (terminal 25 & terminal 26 close).

## SPECIFICATIONS

ITEM NO.	VP-005-1 SINGLE PHASE	VP-005-3 THREE PHASE
RATED VOLTAGE	AC 110V, 220V, 230V, 380V, 415V, 440V	AC 220V, 230V, 380V, 415V, 440V
FREQUENCY	50 or 60 Hz	
RESPONSE TIME OF RELAY	DELAY ON: 0.5 Sec DELAY OFF: 1~10 Sec adjustable	
CONTACT RATING	AC15: 250V AC 3A	
RESET TIME	0.2 Sec Max.	
AMBIENT TEMP.	-10°C ~ -55°C	
SETTING ERROR	± 10% MAX.	
REPEAT ERROR	± 2% MAX.	
VOLTAGE ERROR	± 2% MAX.	
TEMP. ERROR	± 2% MAX.	

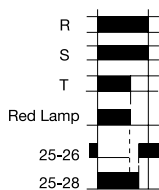
## DIMENSIONS (mm)



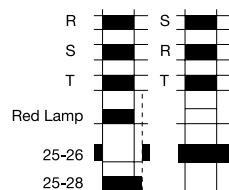
★ MOUNTING METHODS: BY DIN RAIL (35mm)

## OPERATION CHART

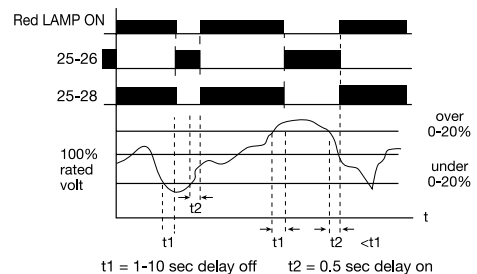
### A. Phase Failure



### B. Phase sequence



### C. Over & under voltage



★ Green Lamp: Power Supply On