● PHASE PROTECTION & DRY RUN PROTECTION & ELECTRONIC OVERLOAD

PM-026

3 PHASE VOLTAGE - ASYMMETRY RELAY

PRIMUS

CE



Socket



Description

- 3-Phase Voltage – Asymmetry Relay: PM-026 is a relay designed to monitor phase asymmetry (phase imbalance) and phase sequence of a 3-phase 380VAC ±20% 50/60Hz electrical system.
- A knob is provided for setting the phase asymmetry percentage (Phase Asymmetry) from 5–25%.
- If the phase sequence is incorrect and the phase asymmetry value is lower than the preset level, the relay output will activate immediately.
- There is a red LED indicating abnormal operating conditions such as phase imbalance or incorrect phase sequence, and a green LED indicating normal operation when the phase is balanced and the phase sequence is correct.
- Suitable for protecting motors, compressors, or other equipment.

Specification

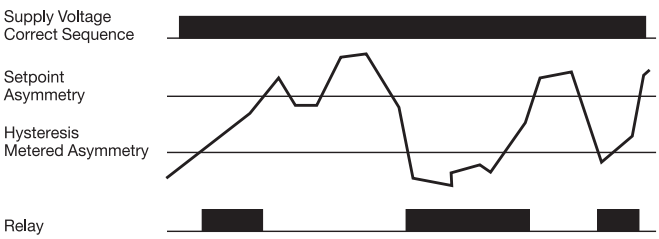
Power Supply		3 Phase 3 Wire
		3x380VAC ±20% 50/60Hz
Power Consumption		2VA
Display	Relay 1	LED Red (Phase Sequence)
	Relay 2	LED Green (Relay ON)
Input	Scale Adjustment	Scale 5 to 25%
	Hysteresis	3.5%
	Sampling Time	1 Sec.
Output	Relay Output	10A 250VAC
Ambient Operation	Temperature	-10°C to 60°C
	Humidity	85 % RH Non-Condensing
Ambient Storage	Temperature	-20°C to 80°C
	Humidity	85 % RH Non-Condensing
Protection Degree		IP40
Installation		DIN Rail Mounting
Material		ABS-V0
Size (mm.)		80 x 38 x 83.5
Weigth (kg.)		210

Operation

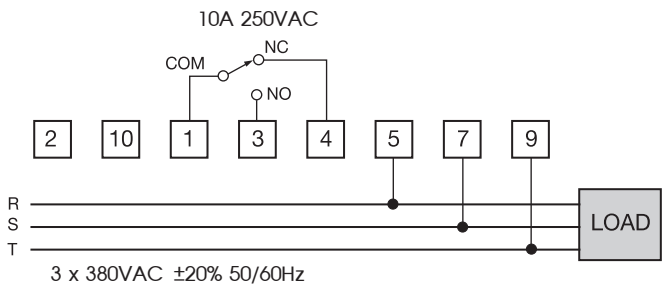
When the PM-026 is connected to a 3-phase electrical system with the phase asymmetry within acceptable limits and the phase sequence (R S T) correctly aligned, the relay contact will operate to energize the load circuit. The LED will illuminate to indicate that the relay is active.

However, if phase asymmetry occurs or the phase sequence (R S T) is incorrect, the relay contact will stop operating to disconnect the circuit. The LED will turn off to indicate that the relay has stopped operating, thereby protecting the load from potential damage.

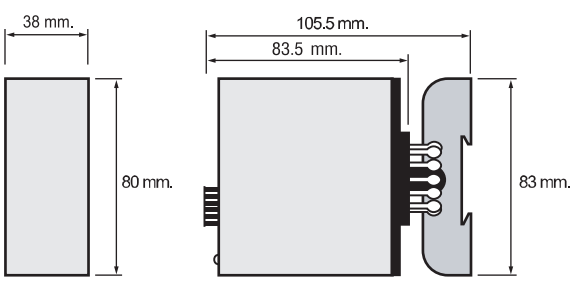
Operation graph



Wiring Diagram



Dimension



Ordering Code

