



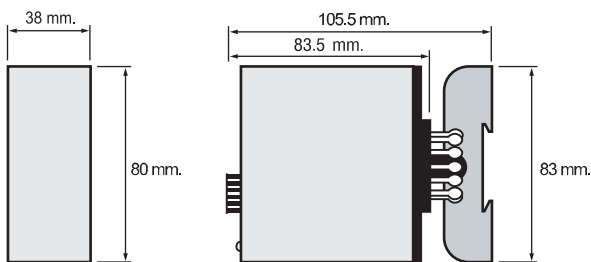
Socket



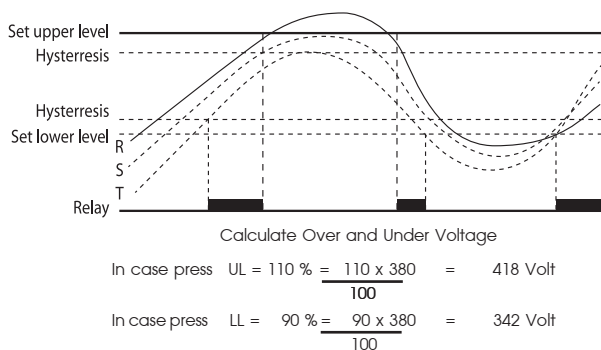
TECHNICAL SPECIFICATION (คุณสมบัติทางเทคนิค)

Model.		PM-017	PM-017N
Power Supply		3 Phase 3 Wire	3 Phase 4 Wire
		110, 220, 380VAC ±10% 50/60 Hz	
Power Consumption		2.5 VA	
Display		Red LED (Under Voltage/Relay OFF)	
		Red LED (Over Voltage/Relay OFF)	
		Red LED (Phase Sequence/Relay OFF)	
		Green LED (Relay ON)	
Input	Scale	Over Voltage Scale 105 to 120% Volt	
	Adjustment	Under Voltage Scale 80 to 95% Volt	
	Hysteresis	1 %	
	Accuracy	±2VAC	
Output	Relay Output	1 Relay Output 10A 250VAC	
Ambient	Temperature	-10 °C to 60 °C	
Operation	Humidity	85 % RH Non-Condensing	
Ambient	Temperature	-20 °C to 80 °C	
Storage	Humidity	85 % RH Non-Condensing	
Protection Degree		IP40	
Installation		DIN RAIL Mounting	
Material		ABS-V0	
Size		38 x 80 x 83.5 mm.	
Weight		210g.	

DIMENSION



Performance Graph



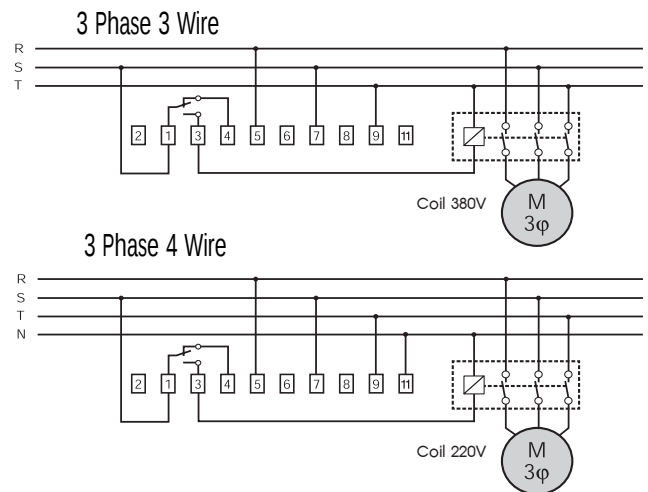
DESCRIPTION

- Relays for overload protection Phase sequence and phase loss for 3-phase 3-wire (PM-017) and 3-phase (4-wire) systems (PM-017N).
- There are separated button that adjusts the voltage drop between 80 to 95% volts and the over voltage between 105 and 120% volts.
- Check the Phase Sequence of the 3-phase power system to protect motor rotate wrong direction.
- Check phase loss in one of phases or more even there are regenerative voltage from the motor (back e.m.f.) because motor spin freely.
- LED turn on when relay operate. Because it suits to protect load in 3 phases system has damage from under-over voltage, Phase sequence and Phase Loss.
- For model PM-017N (3 phase 4 wire if neutron loss, relays will not operate).

OPERATION

When the PM-017 and PM-017N are connected to a 3-phase power system, and the voltage is within the normal range (not exceeding the preset UL and not lower than the preset LL), with all phases (R, S, T) present and correctly sequenced, the relay will operate to allow the load to function. The LED will turn on, indicating that the relay is active. However, if the voltage drops, exceeds the preset limits, any phase is missing or incorrectly sequenced, the relay will stop functioning to cut off the load, and the LED will turn off, indicating the relay is inactive.

WIRING DIAGRAM



ORDERING CODE

Electrical System	
PM-017	3 เฟส 3 สาย
PM-017N	3 เฟส 4 สาย
Supply Voltage	
110 VAC	3 x 110 VAC
220 VAC	3 x 220 VAC
380 VAC	3 x 380 VAC

*For model PM-017N
Power supply 380 VAC only



PM-017/PM-017N

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