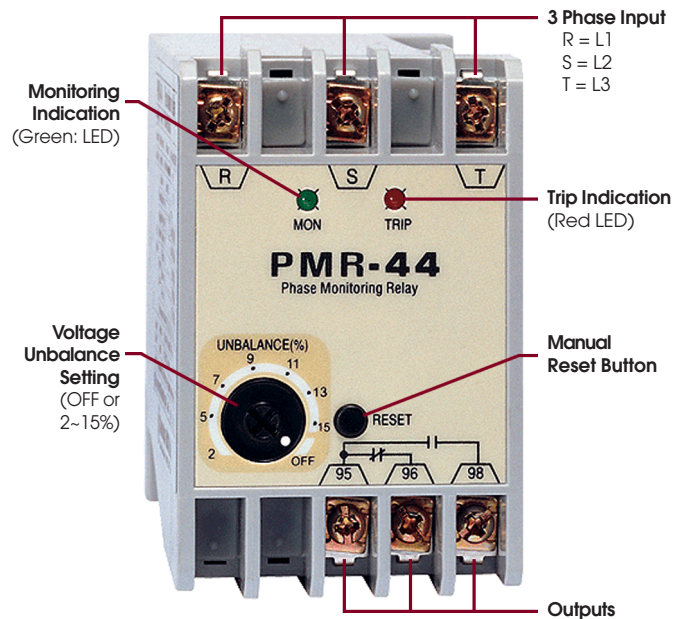
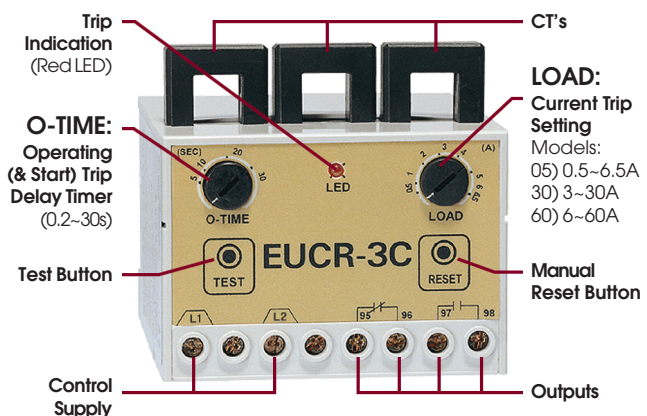


Model PMR - Phase Monitoring Relay

PART NUMBER	APPLICATION VOLTAGE	TRADE PRICE
PMR-440	340~480Vac	
Applications Ideal for use on submersible pumps, refrigeration compressors, supplies for portable generating plants, etc. Designed to detect 3-phase line inputs for monitoring phase conditions.		
Features - Phase reversal, phase loss and adjustable voltage unbalance protection. - Fail-safe operation (no voltage release) - Panel and DIN rail mounting - Dimensions: 107H x 50W x 79D mm		
Technical Specifications Application Voltage.....3-Phase 340~480V 50/60Hz Output Contact.....SPDT 3A / 250Vac resistive Reset Method..... - Auto-Reset 5 sec - Manual or remote electrical		
PROTECTION	TRIP TIME	DESCRIPTION
Phase Reversal	Within 0.1 sec	When abnormal phase sequence power is applied
Phase Loss	Within 1 sec	When phase failure occurs
Voltage Unbalance	5 sec	OFF or / 2 ~ 15% (adjustable) $\% = \frac{\text{max deviation from AVERAGE}}{\text{AVERAGE}} \times 100$

**Models EUCR - Undercurrent Relays**

PART NUMBER	CURRENT RANGE	TRADE PRICE
2 Phase Sensing Model		
EUCR 052	0.5 ~ 5A	
EUCR 302	3 ~ 30A	
EUCR 602①	5 ~ 60A	
3 Phase Sensing Model		
EUCR3C 052	0.5 ~ 5A	
EUCR3C 302	3 ~ 30A	
EUCR3C 602①	5 ~ 60A	
Applications Suitable for protecting pumps from drying running. ➤ EUCR model - Ideal for delta connected and single phase heater elements. ➤ EUCR3C model - Ideal for star connected heater elements.		
Features - DIN rail or panel mounting - Dimensions: - EUCR: 65H x 54W x 60D mm - EUCR3C: 71H x 70W x 66D mm		
Technical Specifications Control Supply.....220 ~ 240Vac Output Contact.....3A / 250Vac resistive - EUCR: SPDT - EUCR3C: DPDT (fail-safe) Reset Method..... Manual or remote electrical		



Notes: ① Cable size maybe a limiting factor for 60A models.
 - For ranges over 60A, use EUCR(3C) 052 with external CT's.