



TPMP Series



Three Phase Motor Protectors



Simplifying motor protection needs in two (2) convenient models, the TPMP Series Three Phase Motor Protectors provide a wide range of protection for all motors and compressors. From phase sequence problems, to phase loss and out of balance issues, the TPMPU and TPMP2 will protect most 3 phase applications.

The TPMP Series will disconnect the motor pilot circuit when the monitored problem is detected. The TPMP will only re-energize the circuit when all 3 phases are activated at the full voltage ratings and the delay on make time has elapsed. (The TPMP2 does not have a time delay feature.)

- TPMP2 Compact 208-277 VAC model.
- NEW** • TPMPU Universal 180-600 VAC model.
(The TPMPU replaces all SUPCO TPMP's except the TPMP2.)

Choose the right model for your protection.

Model No.	Improper		
	Phase Sequence	Phase Loss	Phase Imbalance
TPMP2	No	Yes	Fixed 7%
TPMPU	Yes	Yes	Adjustable 4% to 20%

SEALED UNIT PARTS CO., INC.

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Benefits

- Motor Protection at economical prices.
- Easy Installation
- TPMPU Universal, only one model is needed to cover most common voltage ranges.
- TPMP2 compact design offers the same protection as the TPMPU. But does not protect against Improper Phase Sequencing, includes Fixed Phase Imbalance and has a dedicated voltage range of 208-277 VAC.

Applications

Protects 3 phase motors and compressors in the following applications.

- HVAC/R Motors
- HVAC/R Compressors
- Protects Scroll and Screw Compressors from Reverse Rotation
- Material Handling Equipment (Overhead Electric Crane Motors)
- Utilities
- Elevator Motors

Specifications

	TPMP2	TPMPU
Input		
Line Voltage	208-277 VAC 3 Phase	180 – 600 VAC 3 phase
Frequency	50/60 Hz	50/60 Hz, Cut Wire for 50 Hz
Phase Imbalance	Fixed 7%	Adjustable 4% to 20%
Total Power Consumption	3 VA Maximum	3 VA Maximum
Contact Type	Normally Open & Normally Closed Type C	SPDT
Resistive	5A 240 VAC, 10A 120VAC	10A 240 VAC, 12A 120 VAC/24 VDC
Inductive	N/A	4.5 A 230VAC- COS 0.6
Connection	¼" Male Spade Terminals	¼" Male Spade Terminals
Indicator	N/A	Bright LED for Fault
Response Time	N/A	Phase Loss, Reversal, Imbalance 80 ms maximum
Operating Temperature	-40°F to +167°F (-40°C to +75°C)	-40 F to +167F (-40C to +75C)
Short Cycle Protection	N/A	Adjustable 10 Seconds to 5 Minutes
	N/A	Tolerance +/- 20%
Enclosure	Fire Resistant Plastic UL-94 V0	Fire Resistant Plastic UL-94 V0
Dimensions	2.35" x 2.43" x 1.1" (59.7 x 61.7 x 27.9 mm)	5.35" x 3.68" x 1.26" (136 x 93.5 x 32 mm)
Weight	2 oz (54 gr)	6.35 oz (180 gr)

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