



# 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
<b>Input</b>		
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
<b>Contact Type</b>	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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