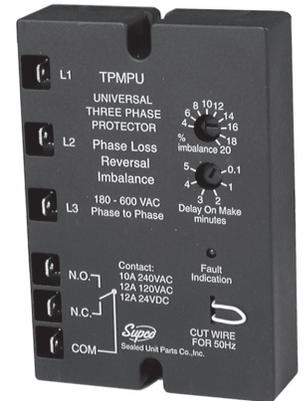


TPMP SERIES THREE PHASE MOTOR PROTECTORS

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 three 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 three 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.)



TPMPU

PART NUMBER	IMPROPER PHASE SEQUENCE	PHASE LOSS	PHASE IMBALANCE
TPMP2	No	Yes	Fixed 7%
TPMPU	Yes	Yes	Adjustable 4% to 20%

- TPMP2 Compact 208-277 VAC model
- TPMPU Universal 180-600 VAC model

Features / Benefits

- Motor protection at economical prices
- Easy installation
- TPMPU universal, covers 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 dedicated voltage range of 208-277 VAC



TPMP2

Applications

Protects three 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 50Hz
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@240VAC, 10A@120VAC	10A@240VAC, 12A@120VAC/ 24 VDC
INDUCTIVE	N/A	4.5A@230VAC- COS 0 0.6
CONNECTION	1/4" male spade terminals	1/4" 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 167°F (-40°C to 75°C)
SHORT CYCLE PROTECTION	N/A	Adjustable 10 seconds to 5 minutes. Tolerance +/- 20%
ENCLOSURE	Fire resistant plastic UL-94 VO	Fire resistant plastic UL-94 VO
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)