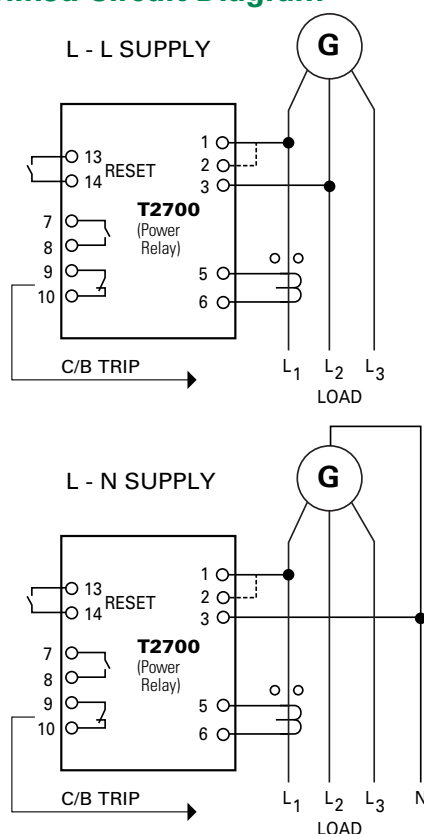


T2700 SERIES

Power Relay



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS		I_N	SUPPLY	FUNCTION
	1-3	2-3			
T2700.00	230 V		5 A	L-N	
T2700.02	450 V	400 V	5 A	L-L	
T2700.03	230 V	400 V	5 A	L-L	
T2700.04	110 V	100 V	5 A	L-L	Normally energized output
T2700-08	127 V	120 V	5 A	L-N	

Other supply voltages and combinations are available on request.

Description

The T2700 Power Relay is intended for detection of power levels for protection, control or monitoring purposes. The T2700 will protect a generator from excessive active loads [kW].

The T2700 calculates $I \times \cos \phi$, representing the active power. If the active power exceeds the preset level (15-150%), the pick-up LED will indicate this and the delay timer will be started. After the preset time (2-20 sec.) has expired, the output relay and LED will be activated, provided that the active power level was exceeded for the entire delay time.

Features & Benefits

FEATURES	BENEFITS
Accepts high supply voltage variation	Ensures correct operation in spite of voltage supply fluctuations (fulfills marine class requirement)
Visual indication of power, pick-up, and output trip	Provides quick and concise status information
Direct line-line or line-neutral voltage supply (up to 690 Vac)	Simplifies design and installation. No need for PTs.
Galvanic isolated inputs	Protects the unit against high AC voltage and currents from the installation including spikes
DIN-rail or screw-mount & adjustment by potentiometers	Easy installation

Specifications

Trip Level	15-150% I_N
Delay	2-20 sec.
Max. Voltage	660 V
Voltage Range	60-110%
Consumption	Voltage 5 VA at U_N Current 0.3 VA at I_N
Continuous Current	$2 \times I_N$
Frequency Range	45-400 Hz
Output Relay	Normally de-energized, latching, resettable
Contact Rating	AC: 400 V, 5 A, 1250 VA; DC: 150 V, 5 A, 120 W
Overall Accuracy	±5%
Repeatability	±1%
Operating Temperature	-20°C to +70°C
EMC	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
Approvals	Certified by major marine classification societies
Burn-in	50 hours before final test
Enclosure Material	Polycarbonate. Flame retardant
Weight	0.5 kg
Dimensions	H 70 mm (2.76"); W 100 mm (3.94"); D 115 mm (4.52")
Installation	35 mm DIN rail or 4 mm (3/16") screws

Mouser Electronics

Authorized Distributor

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