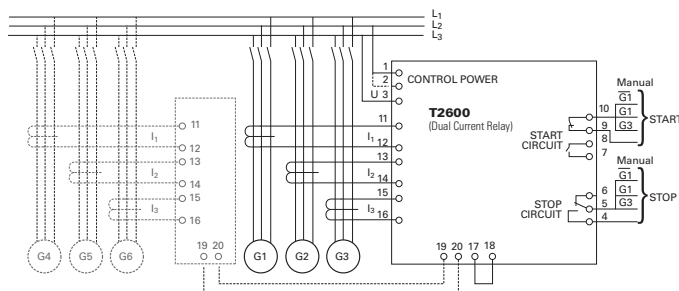


T2600 SERIES

Dual-Current Relay



Simplified Circuit Diagram



To check relay operation, check that the "POWER" LED is on, ensuring that the supply is present. Measure the supply voltage which must be compatible with information label on top of enclosure. Measure the current circulating in terminals 11-12, 13-14 and 15-16 and observe that at least one of the currents are above setting. $0.5 \times I_N = 2.5A$; $2 \times I_N = 10A$.

Ordering Information

ORDERING NUMBER	TERMINALS		I_N	FUNCTION
	1-3	2-3		
T2600.0010	230 V		5 A	30 sec. or 1 sec.*
T2600.0020	450 V	400 V	5 A	30 sec. or 1 sec.*
T2600.0030	480 V	415 V	5 A	30 sec. or 1 sec.*
T2600.0040	450 V	400 V	5 A	30 sec.*; bridge 17-18 = stop current increased 34%
T2600.0050	480 V		5 A	30 sec.*; bridge 17-18 = stop current increased 34%
T2600.0060	110 V	100 V	5 A	30 sec. or 1 sec.*
T2600.0070	110 V	100 V	5 A	30 sec. or 1 sec.*; start current delay 1.0-10 secs
T2600.0080	230 V		5 A	30 sec. or 1 sec.*; normally de-energized start relay
T2600.0090				Extension Unit

*Pulse duration time for stop signal, bridge 17-18 = 1 sec.

Description

The T2600 Dual-Current Relay combines two current relays. The function of the unit is to start or stop the standby diesel generator according to the load situation. Current is measured as a single phase measurement in each of the generators. Both relays will respond to the highest of the currents, independent of phase angle.

Starting signal: The starting output relay is controlled by the high level start current relay ($0.3-1.2 \times I_N$) with a time delay of 3-30 seconds. If one of the 3 input currents exceeds the current setting for a longer period than the time setting, the output relay will become deactivated.

Stopping signal: The low level current relay ($0.2-0.8 \times I_N$) controls a time delay (1-10 minutes) which again controls the stop output relay. If all input currents are lower than the current setting for a longer period than the time delay setting of 1-10 minutes, the output relay will be activated.

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.
Simultaneous monitoring of load level on 3 synchronous generators	Economic solution for load depending start/stop of generators in parallel operation
Combining 2 trip outputs in same enclosure	Providing both start signal to stand-by generator and stop signal of running generator from same unit
Extension module available for monitoring of additional 3 generators	Economic and easy to install system enhancement
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

Start Level	30-120%
Delay	3-30 sec.
Stop Level	20-80%
Delay	1-10 min.
Max. Voltage	660 V
Voltage Range	60-110%
Consumption	5 VA at U_N
Frequency Range	40-65 Hz
Contact Rating	AC: 400 V, 8 A, 2000 VA; DC: 35 V, 8 A, 150 W
Overall Accuracy	$\pm 3\%$ of highest value
Repeatability	$\pm 1\%$
Operating Temp.	-20°C to $+70^\circ\text{C}$
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
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

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