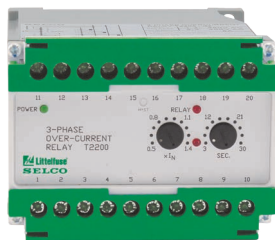
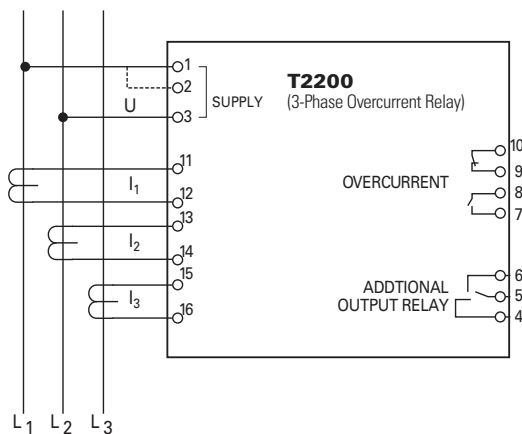


T2200 SERIES

3-Phase Overcurrent Relay



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS		I_N	FUNCTION
	1-3	2-3		
T2200.0010	450 V	400 V	5 A	Latching output, resetable
T2200.0020	450 V	400 V	5 A	Normally energized output, latching, resetable
T2200.0030	230 V		5 A	Latching output, resetable
T2200.0040	230 V	110 V	5 A	Latching output, resetable
T2200.0050	230 V		1 A	Latching output, resetable
T2200.0060	450 V	400 V	5 A	Normally energized output, latching, resetable, delay 6-60 sec.
T2200.0070	110 V	100 V	5 A	Latching output, resetable
T2200.0080	480 V	415 V	5 A	Latching output, resetable
T2200.0090	24 Vdc		5 A	Latching output, resetable
T2200.0100	450 V	400 V	5 A	Instantly extra output relay
T2200.0110	450 V	400 V	1 A	Instantly extra output relay

Other supply voltages and combinations are available on request.

Description

The T2200 Overcurrent Relay is designed for generator or feeder protection against overcurrent in each of the three phases.

The T2200 detects the highest of the 3 input currents and, if this exceeds the preset level ($0.5 - 1.4 \times I_N$), the pick-up LED will indicate and the delay timer will be started. After the preset time (3-30 sec.) has expired, the output relay and the corresponding LED will be activated, provided that the current 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.
Available with extra output with instant trip	Economic solution for tripping non-essential load, before main breaker trip
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	$0.5 - 1.4 \times I_N$
Delay	3-30 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
Contact Rating	AC: 400 V, 5 A, 2000 VA DC: 150 V, 5 A, 150 W
Overall Accuracy	±5%
Repeatability	±1%
Operating Temperature	-20°C to +70°C
Dielectric Test	2500 V, 50 Hz
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