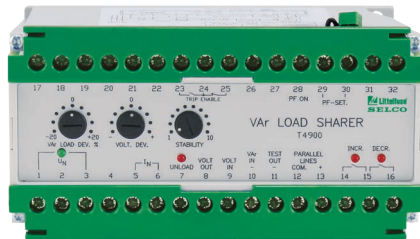
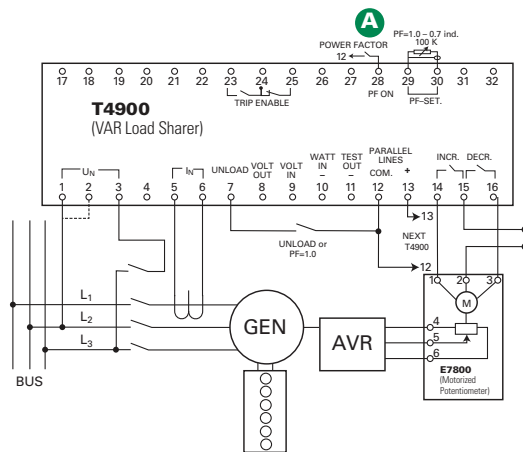


T4900 SERIES

VAR Load Sharer



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS		I _N
	1-3	2-3	
T4900.0010	450 V	400 V	5 A
T4900.0020	230 V	—	5 A
T4900.0030	480 V	415 V	5 A
T4900.0040	110 V	63 V	5 A
T4900.0050	127 V	120 V	1 A
T4900.0060	110 V	100 V	1 A

Other supply voltages, nominal currents and combinations are available on request.

Accessories

A



T4910-07 Potentiometer with Cable for External Power Factor Setting

External contact between terminals 12 (COM) and 28 (PF ON). Included.

Description

The T4900 VAR Load Sharer provides automatic load sharing of reactive power [kVAR] and voltage control for parallel running generators. The reactive load on each generator is compared with the reactive load on the other generators and corrected on the AVR (Automatic Voltage Regulator) until balance is obtained. The T4900 can also be used for power factor (PF) control in applications where one or more generators are operated in parallel with the grid (utility). The input to the T4900 are the voltage and the current from which the reactive power and voltage is determined. The T4900 calculates $I \times \sin \phi$, representing the reactive load.

Power factor control for parallel operation with the public grid can be obtained by connecting an external contact between terminals 12 (COM) and 28 (PF ON). The setting is determined by an external potentiometer (100 kW) across terminals 29 and 30 (PF-SET).

Features & Benefits

FEATURES	BENEFITS
Adjustable delta voltage, stability and % VAR load deviation by front panel potentiometers	Facilitates adjustment during installation and commissioning. VAR Load deviation adjustment enables paralleling of different size generators
Inputs for disabling internal voltage control	Enables operation where system voltage is set externally such as in grid-parallel operation
Power factor control function	Enabling alternative use as power factor controller, thus maintaining fixed power factor (cos phi) in installations with fluctuating inductive loads
Visual indication of voltage, increase/decrease and unload signals	Provides quick and concise status information
Direct line-line voltage supply (up to 690 Vac)	Simplifies design and installation. No need for PTs or separate power supply
Galvanic isolated inputs	Protects the unit against high AC voltage and currents from the installation including spikes
DIN-rail or screw mount	Easy installation

Specifications

Max. Voltage	660 V
Voltage Range	110%
Voltage Dev. Adjustment	0- ±12 V
Consumption	Voltage 4 VA at U _N Current 0.4VA at I _N
Continuous Current	2 x I _N
Frequency Range	35-70 Hz
Proportional Band	±25-125% load
Dead Band Zone	±1-10% load
Contact Rating	AC: 400 V, 2 A, 250 VA; DC: 110 V, 2 A, 100 W
Operating Temperature	-20°C to +70°C
EMC	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
Burn-in	50 hours before final test
Enclosure Material	Polycarbonate, flame retardant
Weight	0.7 kg
Dimensions	H 70 mm (2.7"); W 150 mm (5.9"); D 115 mm (4.5")
Installation	35 mm DIN rail or 4 mm (3/16") screws

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com