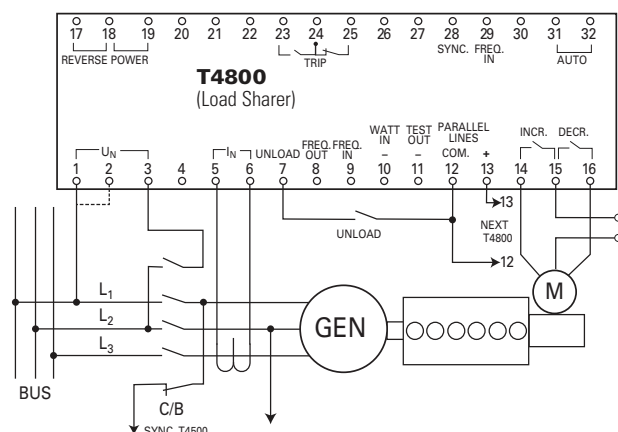


T4800 SERIES

Load Sharer for Conventional Governors



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS		I_N
	1-1	1-3	
T4800.0010	450 V	400 V	5 A
T4800.0020	230 V		5 A
T4800.0030	480 V	415 V	5 A
T4800.0040	110 V	100 V	1 A
T4800.0050	450 V	400 V	1 A
T4800.0060	127 V	120 V	5 A
T4800.0070	110 V	100 V	5 A

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

Description

The T4800 Load Sharer provides automatic load sharing and frequency control for parallel running generators. The load sharing is proportional, meaning that the generators will be loaded equally compared to their individual capacity.

The load on each generator is compared with the load on the other generators and corrected until balance is obtained. Load sharing is necessary after synchronization in order to reestablish load balance and to obtain long term stability of load and system frequency (compensating the droop of the speed governor).

The T4800 has a built-in reverse power protection with selectable limits and time delays.

Features & Benefits

FEATURES	BENEFITS
Adjustable delta frequency, stability and % load deviation by front panel potentiometers	Facilitates adjustment during installation and commissioning. Load deviation adjustment enables paralleling of different size generators.
Inputs for disabling internal frequency control	Enables operation where system frequency is set externally such as in grid-parallel operation
Reverse power trip	Economic solution for reverse power protection
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	70-110%
Consumption	Voltage 4 VA at U_N ; Current 0.4 VA at U_N ;
Continuous Current	$2 \times I_N$
Frequency Range	35-70 Hz
Frequency Adjustment	48-62 Hz
Proportional Band	± 50 - 250% load; ± 5 - 25% frequency
Dead Band Zone	± 2 - 10% load; ± 0.2 - 1.0% frequency
Contact rating	AC: 400 V, 2 A, 250 VA DC: 110 V, 2 A, 100 W
Operating Temperature	-20°C to +70°C
Vibration Test	4 g RMS according to IEC 60068-2-64
EMC	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2, EN61000-6-2:1999
Approvals	Certified by major marine classification societies
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