

SE-1L06
AUTOMATIC VOLTAGE REGULATOR

USER MANUAL

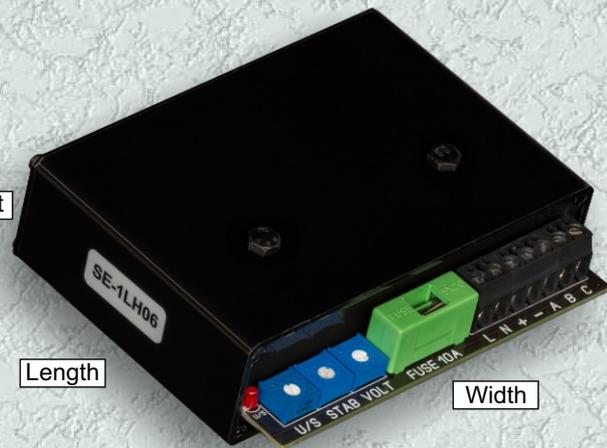
SE-1LH06
AUTOMATIC VOLTAGE REGULATOR



The **SE-1LH06** is a fullwave phase controlled thyristor type Automatic Voltage Regulator and forms part of the excitation system for a brush or brushless generator.

TECHNICAL SPECIFICATION

- INPUT 190V - 270V
- OUTPUT 0 - 180 V
- FREQ. 40-70 Hz
- CURRENT 6A CONTINUOUS
- 1 PHASE + NEUTRAL
- EXC. FIELD 10 Ohms MIN
- 50/60Hz COMPENSATION
- REGULATION +/- 1%
- UNDER SPEED PROTECTION
- OPER. TEMP +80°C MAX



ADJUSTMENTS

- **VOLT** for voltage output level
- **U/S** for under frequency protection
- **FINE POT** for external voltage level

Dimensions (mm)

Length	Width	Height	Weight (Kg)
87	103	30	0.400

DESIGN AND MANUFACTURE
BY RESEARCH TEAM OF
POWER ELECTRONICS C.O.
GREECE

MODEL SE-1LH06

- AUTOMATIC FLASH (REQUIRES 10V MINIMUM).
- FLASH WITH RELAY , (IF REQUIRED).
- 50 - 60 Hz COMPATIBILITY.
- UNDER FREQUENCY PROTECTION.
- REGULATION +/- 0.5%
- OPERATIONAL TEMPERATURE 80°C MAX

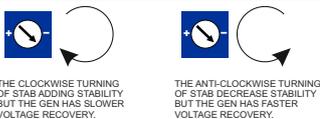
SPECIFICATION

INPUT	OUTPUT
VOLT AC 190-270	VOLT DC 0V - 180V
PHASE 1 + NEUTRAL	CURRENT 6A CONTINUOUS
FREQUENCY 40 - 70 Hz	EXC. FIELD OHMS 12 Ohms MINIMUM

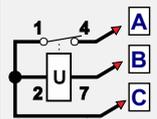
UNDER SPEED PROTECTION



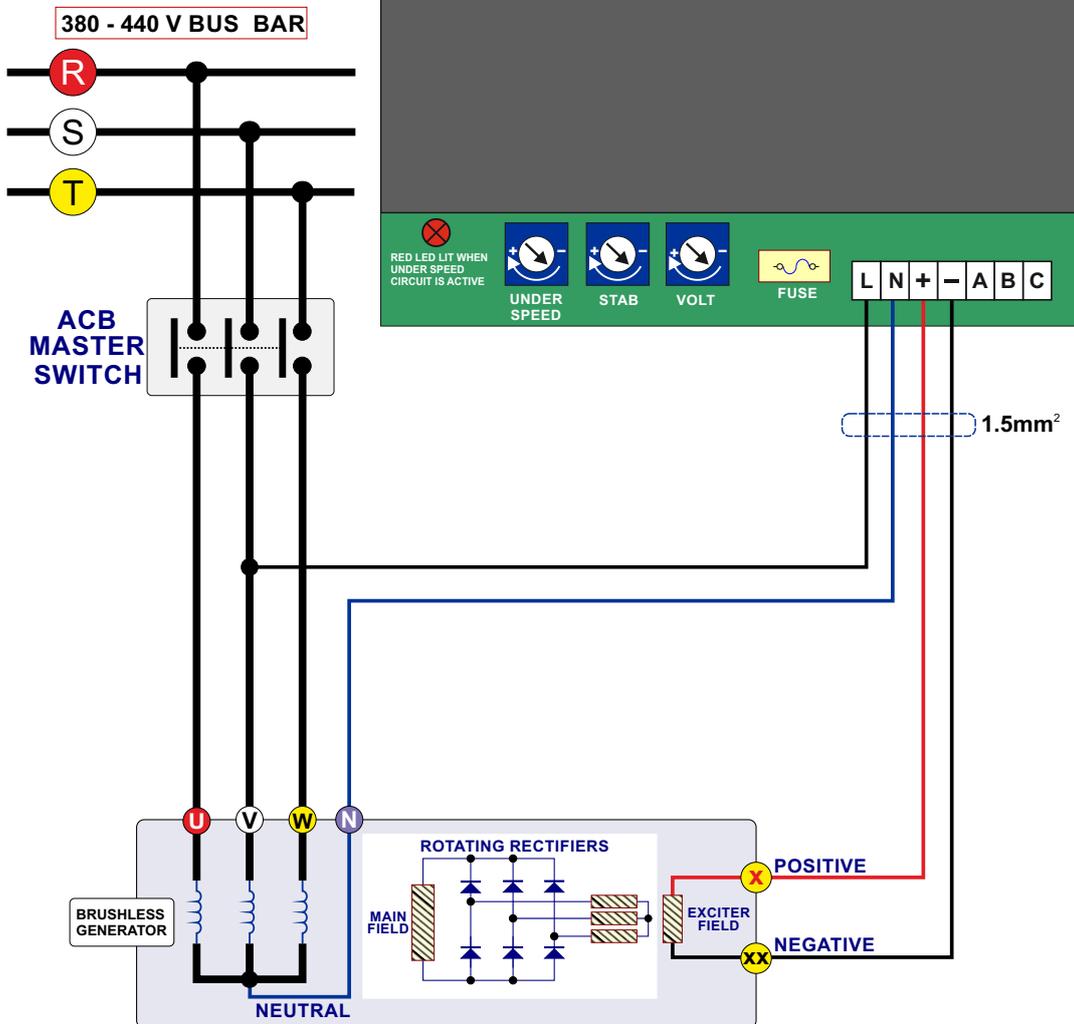
STABILITY



FLASH CIRCUIT (IF NEEDED)



U = 220V AC OCTAL TYPE



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- 50 - 60 Hz COMPATIBILITY.
- UNDER FREQUENCY PROTECTION.
- REGULATION +/- 0.5%
- OPERATIONAL TEMPERATURE 80°C MAX

SPECIFICATION

INPUT		OUTPUT	
VOLT AC	190-270	VOLT DC	0V - 180V
PHASE	1 + NEUTRAL	CURRENT	6A CONTINUOUS
FREQUENCY	40 - 70 Hz	EXC. FIELD OHMS	12 Ohms MINIMUM

UNDER SPEED PROTECTION



THE CLOCKWISE TURNING OF UNDER Hz TRIMMER ACTIVATES THIS FEATURE AT LOWER Hz (~22Hz THE LOWEST)

THE ANTI-CLOCKWISE TURNING OF UNDER Hz TRIMMER ACTIVATES THIS FEATURE AT HIGHER Hz. (~74Hz THE HIGHEST)

DEFAULT (PRE-ADJUSTED) VALUE: 40Hz

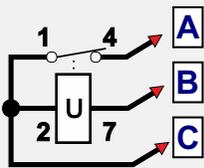
STABILITY



THE CLOCKWISE TURNING OF STAB ADDING STABILITY BUT THE GEN HAS SLOWER VOLTAGE RECOVERY.

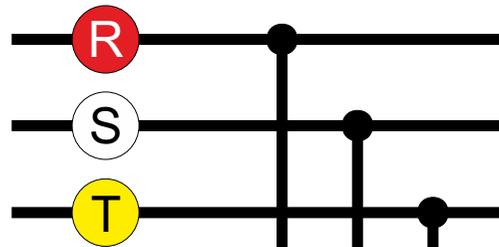
THE ANTI-CLOCKWISE TURNING OF STAB DECREASE STABILITY BUT THE GEN HAS FASTER VOLTAGE RECOVERY.

FLASH CIRCUIT (IF NEEDED)

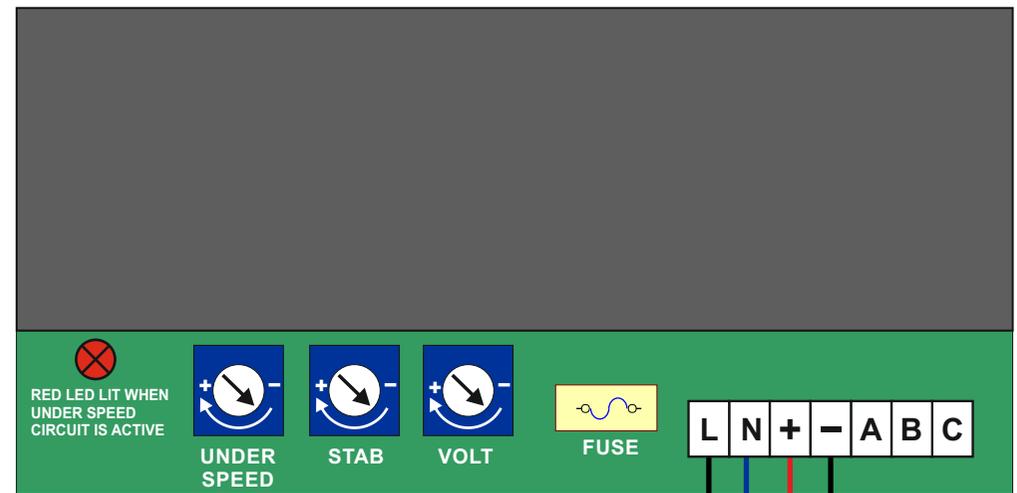
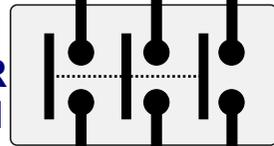


U = 220V AC
OCTAL TYPE

380 - 440 V BUS BAR



ACB MASTER SWITCH



1.5mm²

