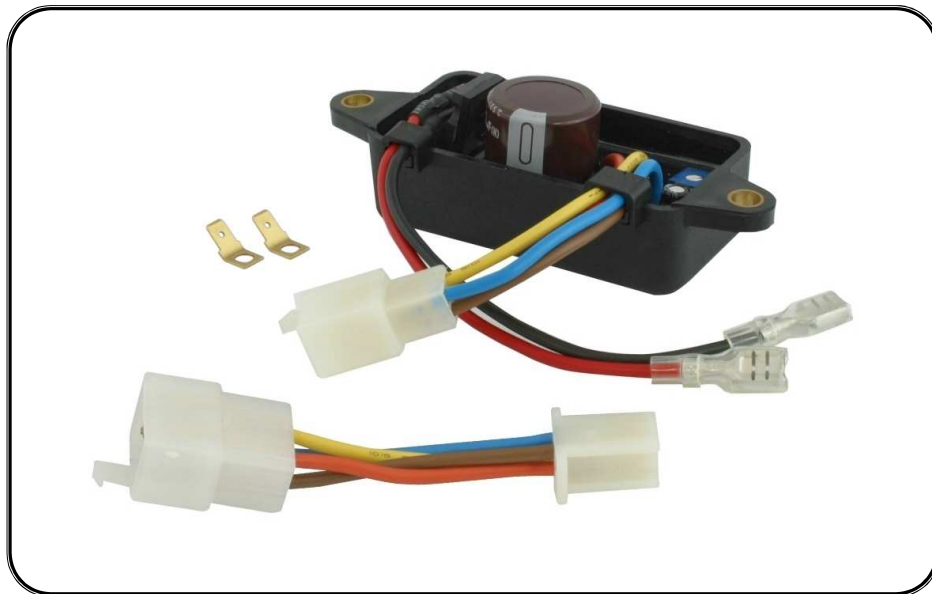


EA03A

Generator Automatic Voltage Regulator Operation Manual



Self Excited Automatic Voltage Regulator
Designed For Gasoline Generators



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1. INTRODUCTION

Sensing Input

Voltage 18 ~ 20 VAC, 1 phase 2 wire

Power Input

Voltage 60 ~ 90 VAC, 1 phase 2 wire

Excitation Output

Voltage 5 ~ 85 VDC
 Current Continuous 3A
 Intermittent 4A for 60 sec.
 Resistance Min. 25 ohm

Voltage Build-up

Residual voltage at AVR terminal > 5 VAC

Thermal Drift

0.05% per °C change in AVR ambient

Voltage Adjust Range

110 VAC ± 15%

Dimensions

113mm L * 41mm W * 32mm H

Voltage Regulation

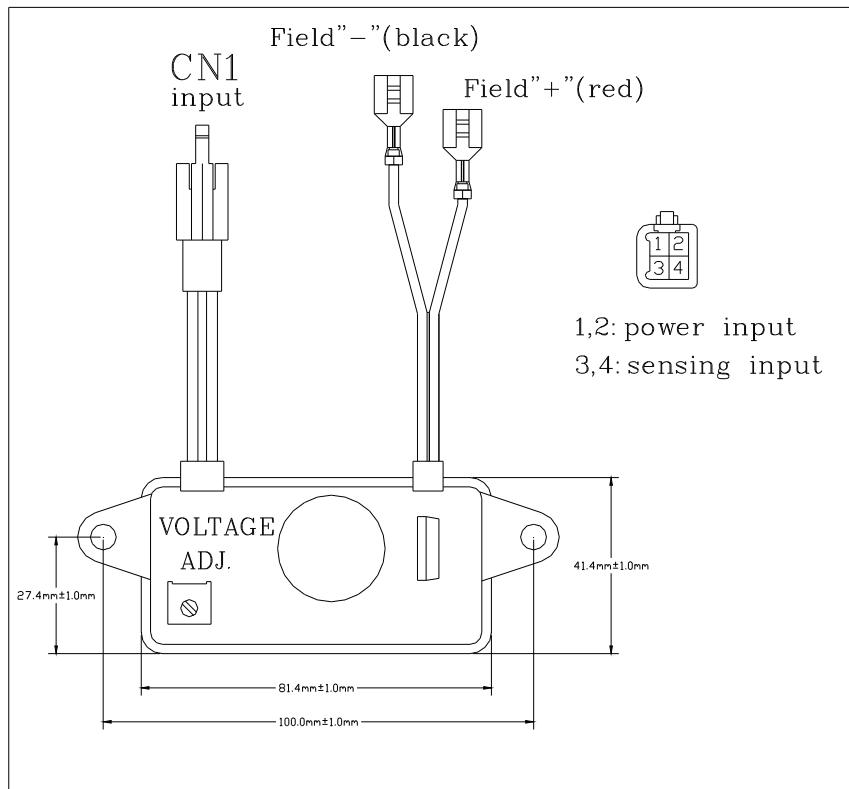
< ± 2% (with 4% engine governing)

Weight

109 g ± 2%

2. INSTALLATION

- Stop engine
- Install AVR to generator field (show as Fig 1)



WARNING

This Automatic Voltage Regulator is not equipped with loss-Sensing Protection function / Over Excitation Protection. An additional Over-Voltage Protection device for load may be required to avoid possible damage to the equipment or severe personal injury or death.

3. APPLICATION MODE

BRAND	PART NUMBER
KUBOTA	Low Boy GL6500S
HONDA	EP-1800, EP-2500
KAWSAKI	GE-1400, GE-2200, GA-2300, GA-2900
SUZUKI	SV-1400L, SV-1400LD, SV-2200L, SV-2200LD
SAWAFUJI	SH-1800, SH-2600
MARUYAMA	ME-1800, ME-2600
ELEPAQ	PH-1800, PH-2600

4. TROUBLESHOOTING

SYMPTOM	CAUSE	CORRECTION
Voltage does not build up	F+,F- not connected	Connect F+,F-
	CN1 not connected	Connect CN1
Out voltage high	Voltage over AC130V Can not adjusted	Defective regulator