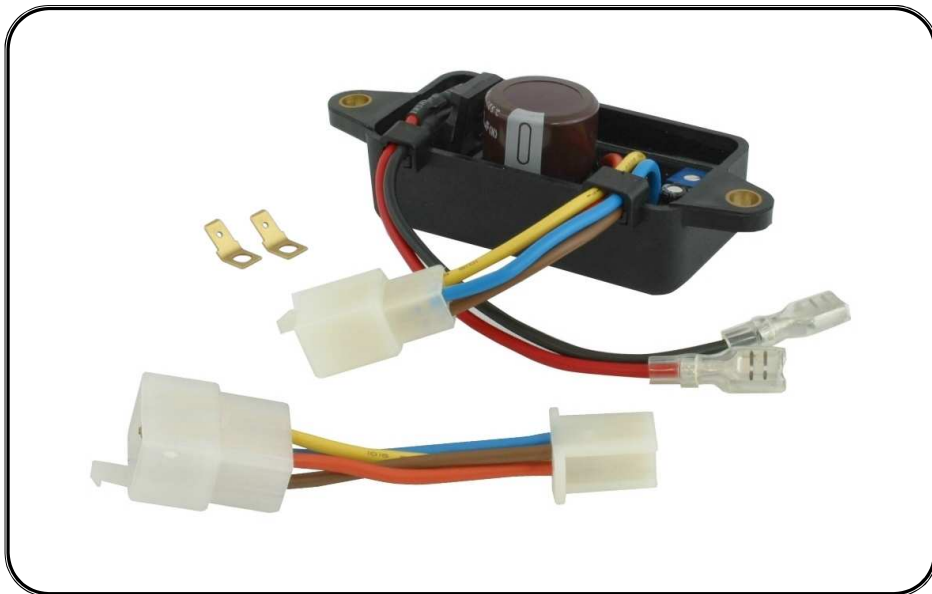


# EA03A

## *Generator Automatic Voltage Regulator Operation Manual*



Self Excited Automatic Voltage Regulator  
Designed For Gasoline Generators



This component must be housed inside alternator terminal box and be fitted by a competent electrical engineer.

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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 Regulation

< ± 2% ( with 4% engine governing )

## 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

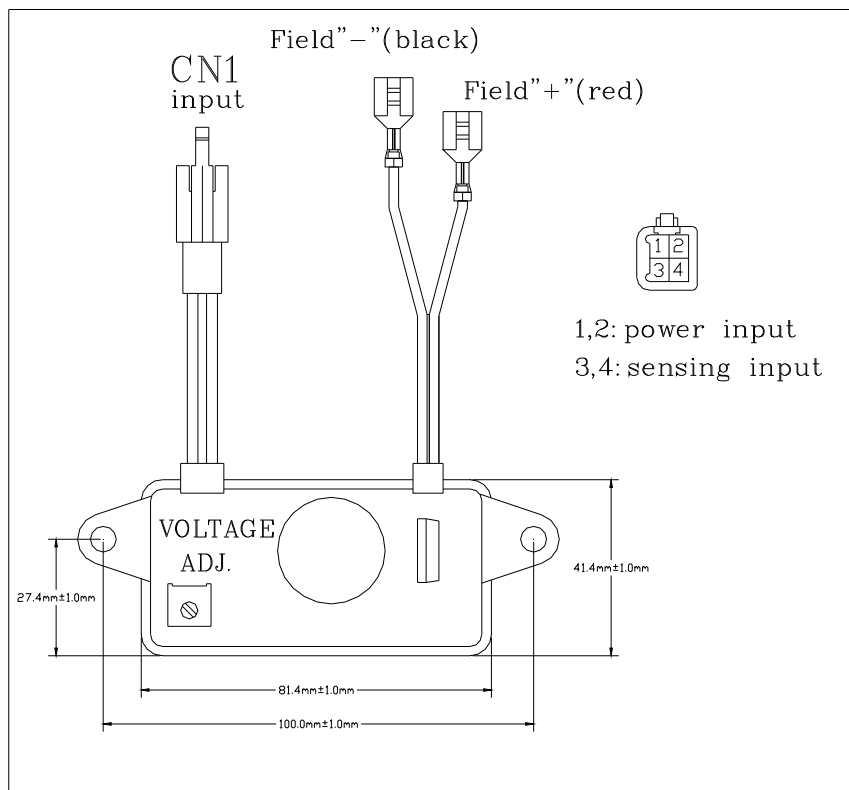
113mm L \* 41mm W \* 32mm H

## Weight

109 g ± 2%

# 2. INSTALLATION

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



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### 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 CN1 not connected	Connect F+,F- Connect CN1
Out voltage high	Voltage over AC130V Can not adjusted	Defective regulator

