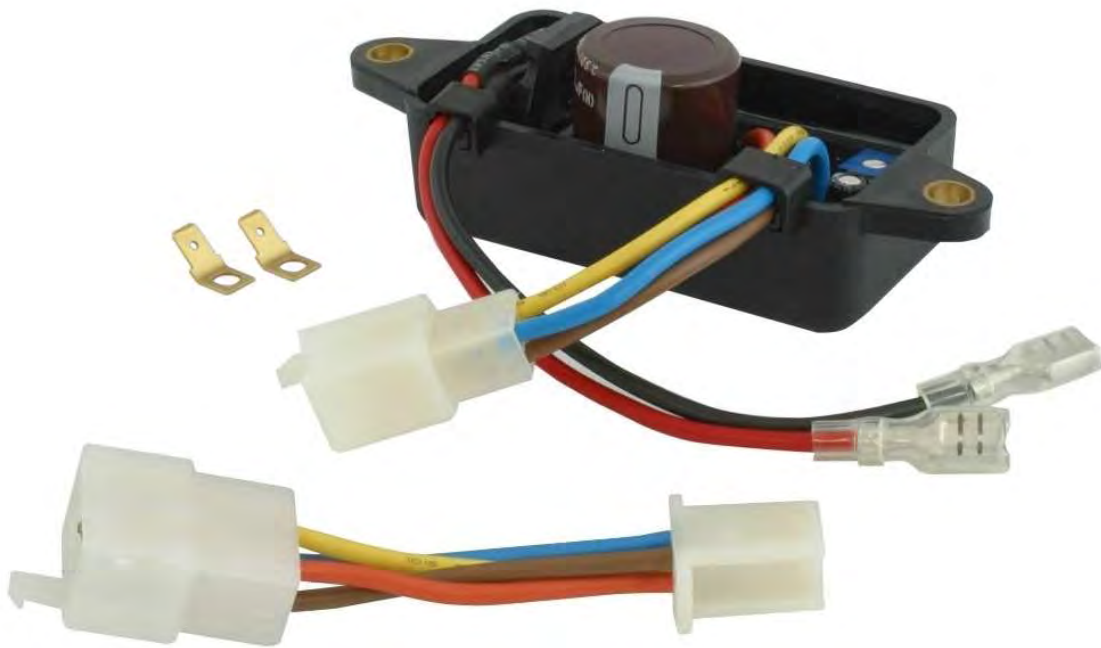


SS03A

Generator Automatic Voltage Regulator Operation Manual



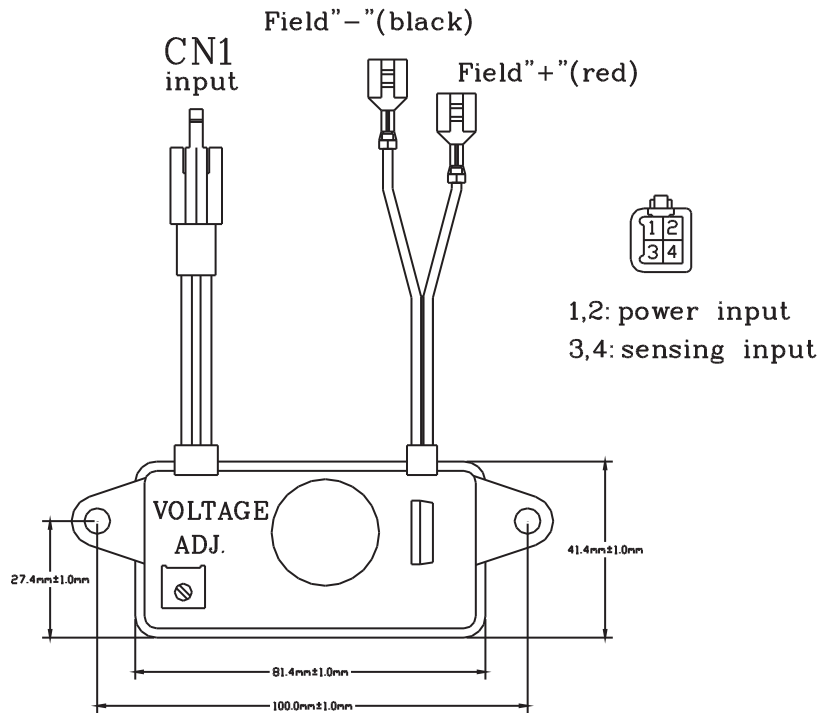
Self Excited Automatic Voltage Regulator
Designed For Diesel and Gasoline Generators

1. INTRODUCTION

Sensing Input		Voltage Build-up
Voltage	18 ~ 20 VAC, 1 phase 2 wire	Residual voltage at AVR terminal > 5 VAC
Power Input		Thermal Drift
Voltage	60 ~ 90 VAC, 1 phase 2 wire	0.05% per °C change in AVR ambient
Excitation Output		Voltage Adjust Range
Voltage	5 ~ 85 VDC	110 VAC ± 15%
Current	Continuous 3A	Dimensions
	Intermittent 4A for 60 sec.	
Resistance	Min. 25 ohm	Weight
Voltage Regulation		109 g ± 2%
< ± 2% (with 4% engine governing)		

2. INSTALLATION

- fi Stop engine
- fi 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