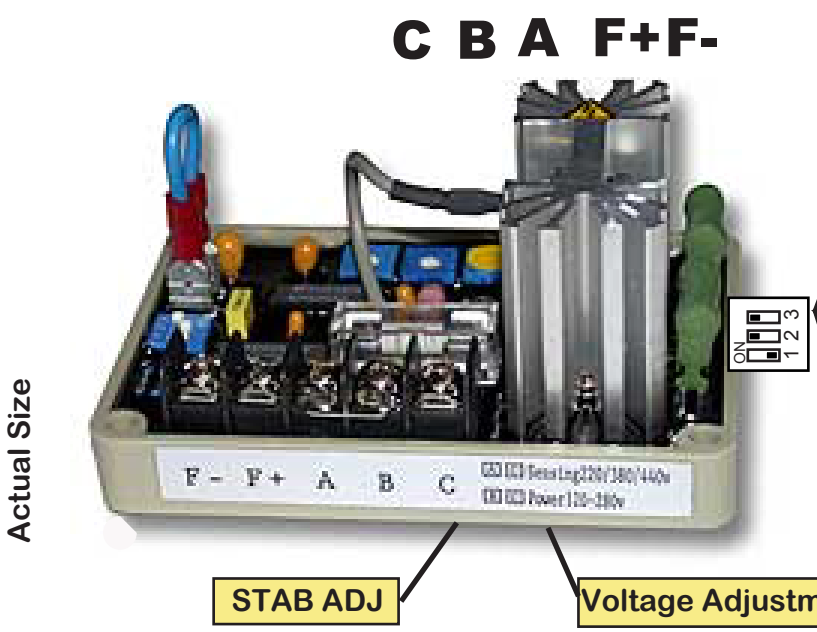
Model SS053 Universal Voltage Regulator



Programing Guide	
ON 1 2 3	220/127 Volts/50 Hertz
ON 1 2 3	208/120 Volts/60 Hertz 240/120 1 Phase 60 Hertz 240/120 Delta 60 Hertz
ON 1 2 3	380/220 Volts/50 Hertz
ON 1 2 3	380/220 Volts/60 Hertz 415/240 Volts/60 Hertz
ON 1 2 3	440 volts 50 Hertz
ON 1 2 3	480/277Volts/60Hertz

Warning Connecting The AVR to the wrong voltage and programming it wrong can cause High Voltage Output that will burn your panel and equipment

4 Wire Method Jumper from A to B connected

SS053 comes factory set with an short from (B to A) terminals and the dip switches set for 220 volts 60 Hertz use. 1 OFF - 2 ON - 3 ON

In this configuration It works like most AVRs on a 12 wire generators sets from 190 to 277 volts and with exciter field from 15 to 100 Ohms.

With the power and sensing input voltage connected together in the AVR to Terminals C & BA, and output terminals connected to terminals F+ and F-. It can work in a multitude of configuration. See Fig 1, 2, 3, and 4.

4 Wire Method

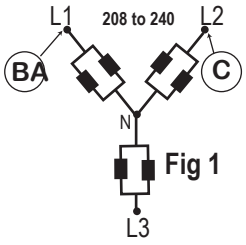


Fig 1

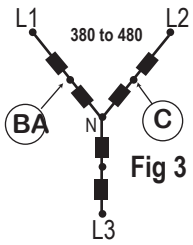


Fig 3

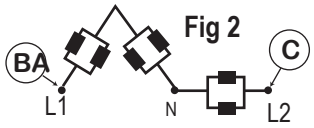


Fig 2

5 Wire Method Remove Jumper from B to A

You can enhance output voltage accuracy and balance, of any generator by using terminal A, B & C separately. This is the preferred method of installation.

In this configuration it can work with almost any modern generator at any voltage or Hertz just by programing the 3 dip switch on the AVR to the output voltage of the generator, then connecting L1 and L2 to terminals C & A and B to Neutral. See Fig 5

Neutral to Terminal B
Generator Output to Terminals C & A

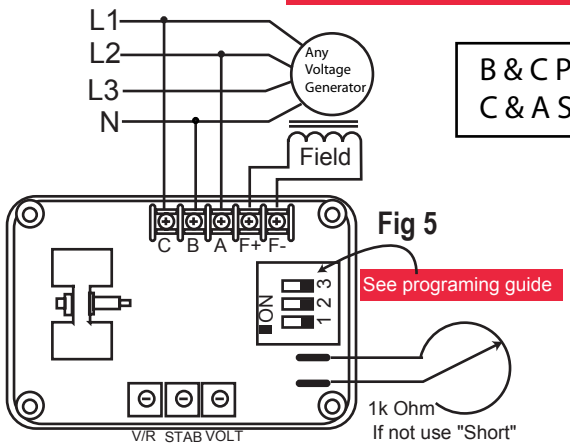


Fig 5

B & C Power
C & A Sensing

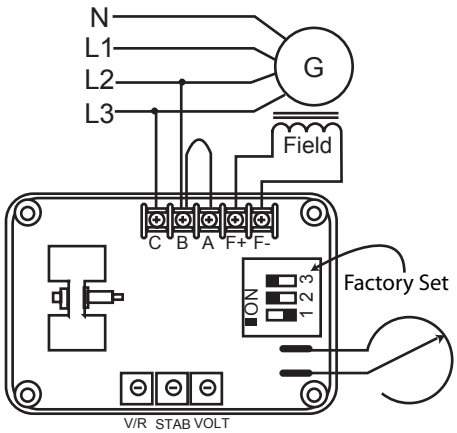


Fig 4