

The circuitry of the R230 Automatic Voltage Regulator (AVR) provides closed loop control of the alternator output voltage by regulating the exciter field current. The R230 is powered by the shunt field excitation system and is fitted as standard on:

- ▶ 1000 Series alternators
- ▶ 2000 Series alternators
- ▶ 3000 Series alternators

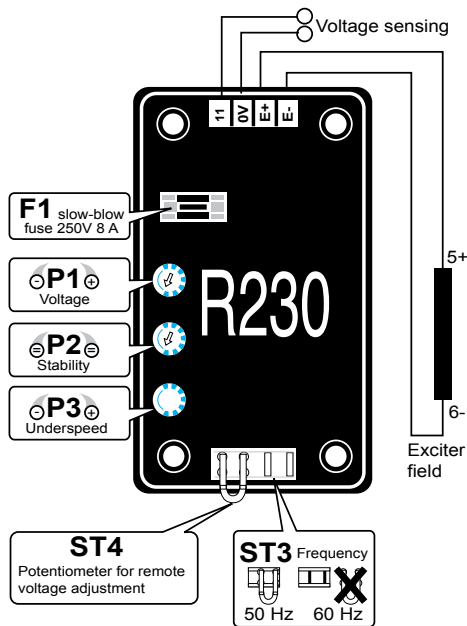
Specification

- ▶ Steady state voltage regulation $\pm 0.5\%$
- ▶ Voltage supply and sensing 85 to 139 volts (50/60 Hz)
- ▶ Rapid response time (500ms) for a transient voltage variation amplitude of $\pm 20\%$
- ▶ Remote voltage adjustment range: $\pm 5\%$

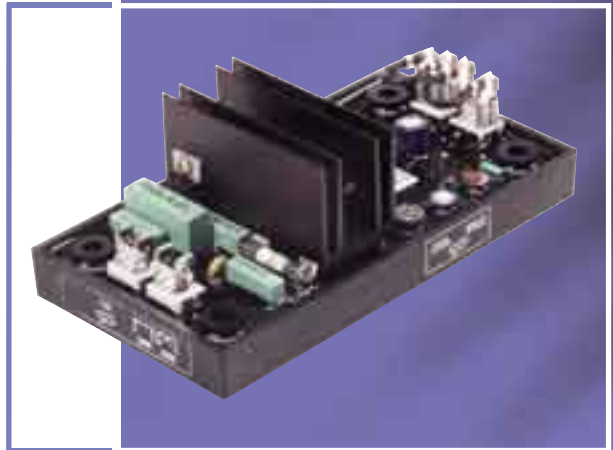
Adjustment capability

The R230 AVR features the following adjustment capabilities. (Please note that no adjustments should be made prior to careful consultation of the alternator installation and maintenance manual)

- ▶ Alternator output voltage adjustment
- ▶ Stability adjustment
- ▶ Under speed threshold adjustment
- ▶ 50 Hz or 60 Hz frequency option
- ▶ Remote voltage adjustment option



AVR R230



Automatic Voltage regulator



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