

AVR R230A



A U T O M A T I C V O L T A G E R E G U L A T O R

The R230A Automatic Voltage Regulator (AVR) controls the alternator output voltage by monitoring the exciter excitation current as a function of that output voltage. Used when the alternator is configured in the standard "Shunt" excitation, the R230A AVR is fitted on the following alternators:

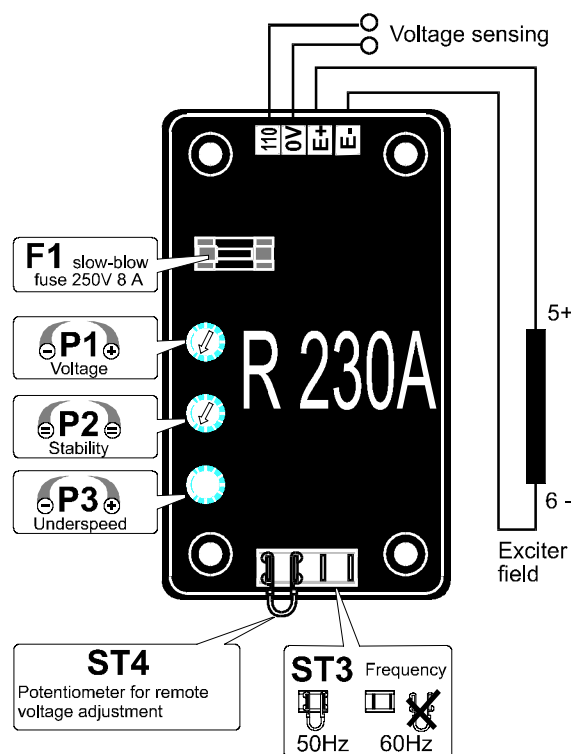
- n 1000 Series Alternators
- n 2000 Series Alternators
- n 3000 Series Alternators

SPECIFICATION:

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

ADJUSTMENT CAPABILITY:

- n Potentiometer **P1** - AVR Voltage Adjustment
- n Potentiometer **P2** - Stability Adjustment
- n Potentiometer **P3** - Underspeed Threshold (Sealed - factory set at 48Hz for 50 Hz and 57.5 Hz for 60 Hz)
- n Strap **ST3** - Strap IN for 50 Hz or OUT for 60 Hz
- n Strap **ST4** - Strap IN for no remote voltage adjustment or OUT and potentiometer (1000 W, 0.5 W min: adjustment range $\pm 5\%$) connected to the terminals for remote voltage adjustment.



R 2 3 0 A