

CHARACTERISTICS:

- Voltage regulation: around $\pm 0.5\%$.
- Voltage supply/sensing range 85 to 139 V (50/60 Hz)
- Rapid response time (500 ms) for a transient voltage variation amplitude of $\pm 20\%$
- Voltage setting **P1**
- Stability setting **P2**
- Power supply protected by 8 A fuse, slowblow action (tolerates 10 A for 10 s)
- Frequency: 50 Hz with **ST3** jumper - 60 Hz without ST3 jumper
- Factory-set underspeed protection **P3**
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R230 AVR OPTIONALS:

Potentiometer for remote voltage adjustment, 1000 Ω /0.5 W min: adjustment range $\pm 5\%$.

- Remove the **ST4** jumper.

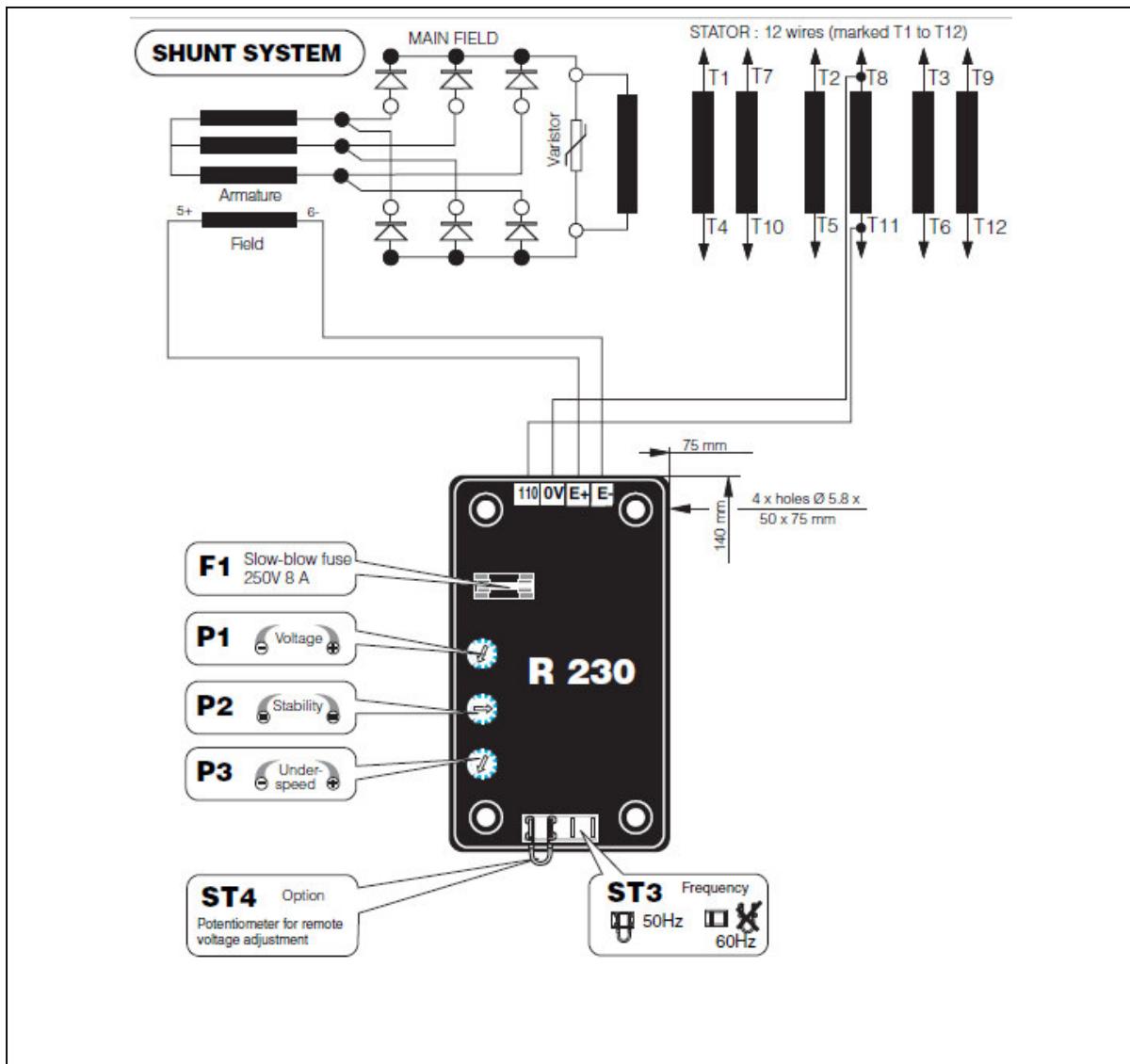


1 - SUPPLY

1.1 - SHUNT excitation system

The alternator with Shunt excitation is selfexcited with an **R 230** voltageregulator.

The regulator Regulator monitors the exciter excitation current as a function of the alternator output voltage. Very simple in design, the alternator with shunt excitation has no sustaining short-circuit capacity.



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