The D510C is a digital voltage regulator, which monitors and regulates the alternator output voltage. It is designed for alternators with SHUNT, AREP or PMG excitation.

The D510C is an AVR which can be configured using the Easyreg® software.

- There are 4 possible regulation modes: voltage, P.F., kVA, manual
- The I/O can be configured:
  - 2 x I: analog
  - 1 x O: analog
  - 2 x I: digital
  - 3 x O: digital
- 1 dry contact
- 1 USB port
- DB9 plug for CAN

It complies fully with the requirements of IEC standard 60034-1 and UL 708 and CSA certifications.
The AVR is set using the Easyreg® software.

- This can be used to:
  - Set the AVR parameters
  - Configure the inputs and outputs
  - Display faults and parameter measurements

### Operation Conditions

- **Operating temperature:**
  - 40°C to + 65°C
- **Storage temperature:**
  - 55°C to + 85°C
- **Shocks on the base:** 9 g depending on the 3 axes
- **Vibrations:**
  - Less than 10 Hz: 2 mm half-peak amplitude
  - 10 Hz to 100 Hz: 100 mm/s
  - Above 100 Hz: 8 g

### Operation Range

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