

# ASR

## ANALOGIC AUTOMATIC VOLTAGE REGULATORS

The Latest-technology ASR (Analogic Simplified Regulator) assures a trouble-less use, a precise voltage control and an underfrequency protection.

The ASR is a closed loop AVR regulator system, that controls and keeps constant the alternator output voltage. The output voltage of the alternator is monitored and confronted with a reference signal: the difference between the two is used to control the conduction state of an SCR.

The SCR is controlled by the width of its pulse, and resulting in a rectified DC output which is injected in the rotating inductor of the generator, generating consequently the AC output voltage.

This regulator is specific for ES and ET series.

### Characteristics

Input power supply	180 ÷ 280 Vac
Precision of voltage regulation	± 2,5%
Maximum output current	6 A
Working temperature	-20°C ÷ +70°C
Standard generator voltage regulation	100 ÷ 280 Vac