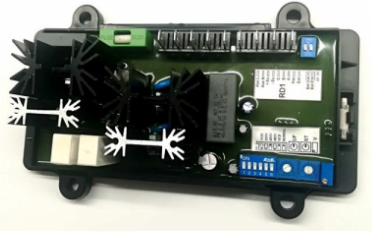


SINCRO AVR RD1

Reference: 144781



SINCRO AVR RD1 115 V/230 V/400 V/480 V

SINCRO AVR RD1 is an Automatic Voltage Regulator, a device able to stabilize the output voltage of a generator set to power electronic equipment.

In the absence of AVR, the output of the alternator can undergo quite marked variations in the presence of strong variations in the load, which can cause malfunctions and damage to the electronics.

Since the generator set alternator is a synchronous machine, in order to work it needs an external excitation current (continuous) necessary to magnetize the rotor (rotating element). The regulator acts on this excitation current

SINCRO AVR RD1 is a digital controller designed for 50/60 Hz brushes generators.
It regulates the output voltage of a generator by controlling the field current.
The voltage regulator is powered by an auxiliary circuit on the main stator.

SINCRO AVR RD1 controls and keeps constant the average value of phase 3RMS voltages.
A frequency measuring circuit continuously monitors the alternator output and provides protection against under-speed output of the excitation system, reducing the output proportionally to the speed.

SINCRO AVR RD1 provides a manual regulator for factory setting of the threshold under unwinding point, (UF). This can be easily changed to 50 or 60 Hz with two dip switches.

SINCRO AVR RD1 has the ability to change the output voltage via a convenient switch.
The generator set can be adjusted to its rated speed until the necessary voltage is obtained.

In case of voltage fluctuations, you can adjust the potentiometer on the SINCRO RD1, which modulates the reaction time to the external inputs, thus eliminating any instability in the alternator load system.

SINCRO AVR RD1 incorporates an underspeed protection (UF) circuit that provides a volt/Hz characteristic when the alternator speed falls below a preset threshold known as the "knee point".

TECHNICAL CHARACTERISTICS INVERTER SINCRO AVR RD1

Depth: 75.5 mm
Height: 45.6 mm
Width: 125.5 mm
Weight: 0.5kg
Operating voltage: 115V / 230V / 400 V / 480 V
Frequency of used: 50Hz / 60Hz

Are you looking for a product with different characteristics? [HERE](#) you can find the entire SINCRO range and other specialized brands.

Images and technical data are not binding and subject to change by the manufacturer.

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Technical Sheet

Product type

Scheda AVR
