

AUTOMATIC VOLTAGE REGULATORS

product guide



Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

ACCESSORIES

CURRENT SENSING KIT

Assists the AVR to achieve accurate voltage regulation when supplying loads at the end of long cable runs.

SEPARATE VOLTAGE TRIMMER

Provides remote fine adjustment of the generator output voltage.

PARALLELLING KIT

- Quadrature Droop

Provides a drooping characteristic, when paralleling generators, ensuring the load is shared in proportion to the generator outputs. Not available on the SX460.

RFI SUPPRESSOR KIT

Reduces the radiated RFI signal from the generator to enable compliance with various high level E.M.C. standards.

EXCITATION LOSS MODULE

Detects loss of excitation, not easily detectable by other means, when generators are running in parallel. This unit switches a single pole change over contact which can be incorporated into an external protection system.

MANUAL VOLTAGE REGULATOR

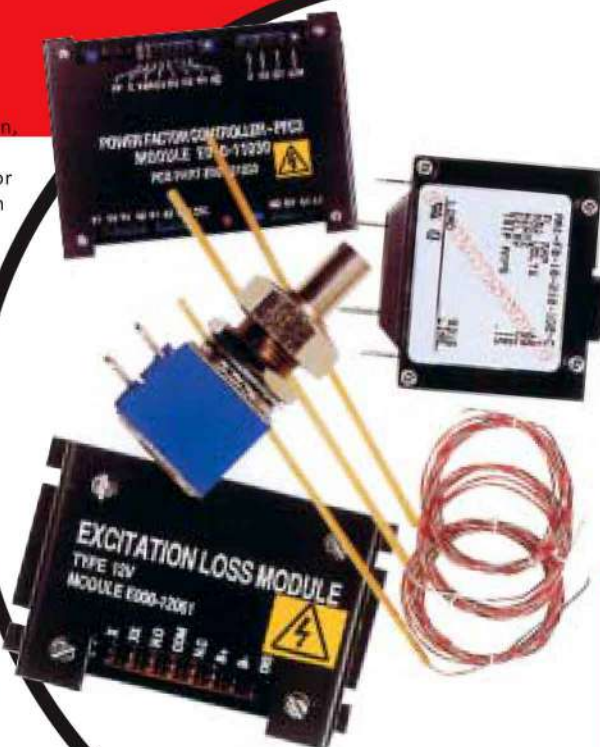
Controls the generator output voltage manually under emergency conditions. This must be in conjunction with the PMG type control system.

FREQUENCY DETECTION MODULE

Senses frequency, and hence rotational speed, can be used to disengage the starter when engine fires, and to shut down the engine in event of overspeed.

POWER FACTOR CONTROLLER

Controls and maintains a required power factor condition whilst running in parallel with a mains supply. This unit also incorporates a voltage matching facility for use with basic automatic synchronising equipment.



ALTERNATOR PROTECTION MODULE

Detects overload conditions by measuring voltage discrepancies in the generator phase voltages. On fault detection, the unit switches a change over contact; this could be incorporated to trip a circuit breaker, stop the engine, or de-excite the generator.

DIODE FAILURE DETECTOR

On detection of a failed rotating diode this module switches a change over contact. This could either trigger an alarm or automatically shut down the set.

EXCITATION CIRCUIT BREAKER

Circuit breaker which is tripped by a signal from the MX321 or SX421 AVR overvoltage detection circuit.

DUAL AVR SYSTEM

Used for manual switching between two AVR s where the specification calls for the provision of a back-up AVR.