

AVK MICS KERYS

AVK MICS KERYS CONTROL PANEL

Main Applications

- Single generating set
- Multiple generating sets
- Temporary or permanent network coupling
- Power production plant (up to 15 gensets)
- Cogeneration
- Possibility of successive coupling to 5 networks
- LV or HV operation

Manual or automatic synchronisation

- phasing
- frequency equalisation
- voltage equalisation

Control

- Dual frequency
- Multi voltage
- Voltage setpoint adjustment
- Active and reactive power
- Frequency set point adjustment

Measurements and display

- Global and phase based
- active power
- reactive power
- power factor

Synchro Measurements

- Phase deviation
- Voltage deviation
- Frequency deviation

Operation

Measurements analysis with log plots and data archiving, used for diagnostic and maintenance assistance

Communication

- On board web site
- User-friendly man/machine interface
- 5 resident languages (French, English, Spanish, Portuguese, German)
- Ethernet port
- Dialogue with all motors fitted with on board electronics (ECU)
- Mod Bus RTU port
- RS232 port

Protective devices

Mechanical

- Speed
- Alarms
- Motor Safety Devices
- Specific customer requirements

Electrical

- Currents
- Voltage
- Powers
- Frequency
- Microbus



Other measurements & display

- Active energy coupling
- Reactive energy metering
- V and I harmonics
- Main loss detection
- Generator set and network rotational field control

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Controls

Mechanical

- Speed
- Synchronisation
- Coupling
- Generator or network active power distribution or lock out
- Wattmetric programming

Electrical

- Voltage
- Voltage equalisation
- Generator or network reactive power distribution or lock out
- Generator or network power factor regulation (cos Phi).



AVK/SDMO MICS KERYS

AVK/SDMO MICS KERYS CONTROL PANEL

Specification

The MICS KERYS is innovative, user friendly and an intuitive monitoring control system that offers a broad range of features. It is fitted as standard on all generator units designed for coupling applications and can be optionally fitted on all other relevant applications. The MICS KERYS can be directly integrated onto the generator, or provided in a separate cabinet, in order to meet all low or medium voltage plant constraints.

The MICS KERYS is available with two different Man-Machine Interfaces (MMIs). The standard version possesses a monochromatic screen with LEDs and function keyboard, the top of the range version possesses a colour touchscreen.

Modularity

- MMI Monochromatic & Keyboard/Colour touchscreen
- Binary input/output modules
- Analogue input modules
- Analogue output modules
- Temperature input modules

- Base Module
 - Automatic controls
 - Configuration
 - Communicative
 - Logical and analogue 1/10

- Protection and Measurement module } according to
- Control and Measurement module } application configuration



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