



GENERATOR CONTROL SOLUTIONS



Innovation

for
better

control





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Our range of generator control, can meet a maximum of industrial needs: manual & auto start, auto transfer switch, auto mains failure and engine monitoring .

MODULES

BASIC UNITS

CRE TECHNOLOGY offers 3 basic microprocessor modules 72 x 72 for generator control. These modules display all information on leds. 10A relay outputs.

- **MDM:** Manual start control unit with keyswitch
- **MDA:** Auto start control unit with keyswitch.
- **MNS:** Auto transfer switch control unit with 3 phases mains voltage detection
- Voltage input: 15 to 300VAC
- Nominal Frequency: 50-60 Hz
- Dimensions: 72x72x38mm
- Operating temperature: -20°C to 70°C.



MDM MODULE
FRONT FACE KEYSWITCH



MDA MODULE
FRONT FACE KEYSWITCH



MNS MODULE
REAR FACE

AMF COMPACT

The **AMF COMPACT** is dedicated to a large variety of standby diesel or gas gensets, offering an automatic management of transfer switch on mains failure, as well as monitoring, control and protection of engine, alternator and power bus bars.

- Alternative or consecutive multiple starter management,
- Warmup & Cool down at idle or nominal speed,
- Remote start and test mode available ON/OFF load,
- Programming capabilities with EASY FLEX.

AMF COMPACT is available in both switchboard panel mounted version with display, or core base mounted version. The **AMF COMPACT** range is configurable from its front panel display, remote touchscreen, or through our free PC software.



AMF COMPACT CORE



AMF COMPACT
WITH DISPLAY

ACGEN 2.0 & ICGEN 2.0

CRE TECHNOLOGY offers 2 enhanced microprocessor modules for generator control. These modules can be fully programmed either by the front face or either with a PC software free of charge and offer: A graphic display, Events logging with date and time, Modbus RTU RS485 communication port, Configurable Inputs / Outputs and 2 years warranty.

- ACGEN 2.0:** Auto start controller with remote start/stop
- Manual and Automatic start feature
 - J1939 Canbus communication port
 - Generator breaker management
 - Electrical and mechanical protections of the generator

ICGEN 2.0: Auto transfer switch controller

- 3 phases Mains fault detection
- Generator and mains breaker management
- Electrical protections of the generator and the mains



ACGEN 2.0 MODULE



ICGEN 2.0 MODULE



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ENHANCED UNITS

IN COMPLETE CABINET

CRE TECHNOLOGY offers complete electrical cabinets and panels for its enhanced control modules.

This cabinet include the enhanced control module, the smart front case with all peripheral features and components, the 5A current transformers and the power contactors.



MONITORING

BSD 2.0

Remote monitoring box

BSD 2.0 is a remote monitoring and control box for **AMF COMPACT, GENSYS COMPACT RANGE, GENSYS 2.0** and **MASTER 2.0** application. It communicates via GSM/GPRS/3G using a SIM card - compatible with most of the worldwide network - or over wired Ethernet. Data are saved on a server.

The server offers pages presenting the values on widgets, plotting them for trending, and handling the alarms/fauxts (filtering). Datas are accessible through customer profiles from any platform (PC, phone, tablet...).



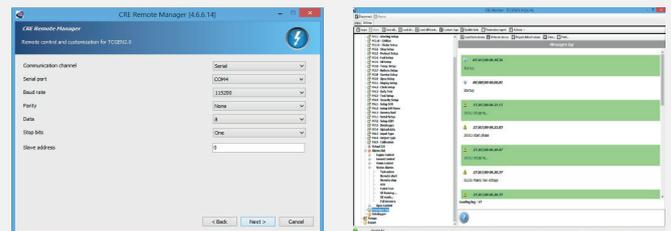
PROGRAMMING

CRE MONITOR

Configuration software

The CRE MONITOR Software is a PC Windows based Software which allow to control, adjust and monitor the AC/IC/TCGEN 2.0 modules. Even if the AC/ICGEN 2.0 display and allow to configure all parameters through its display and buttons on the front panel, this PC software offer a much easier way of programming and displaying, and allow to upload and download configuration files.

It also offer scada features with all electrical and mechanical parameters available in the control module.

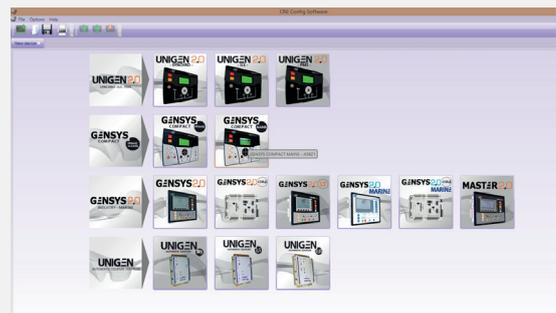


CRE CONFIG

Configuration software

CRE TECHNOLOGY has developed a new PC software which allows you to connect to multiple GENSYS & UNIGEN Family modules. This user-friendly software allows you to configure and monitor your power plant in real time.

- As a SCADA (monitoring), for configuration and module setting (SYSTEM) CRE CONFIG software allows you to configure and monitor up to 14 modules.





EXPERT IN GENERATOR SOLUTION



www.cretechnology.com

GENERATOR CONTROL RANGE_EN_A2018