GENERATOR CONTROL SOLUTION

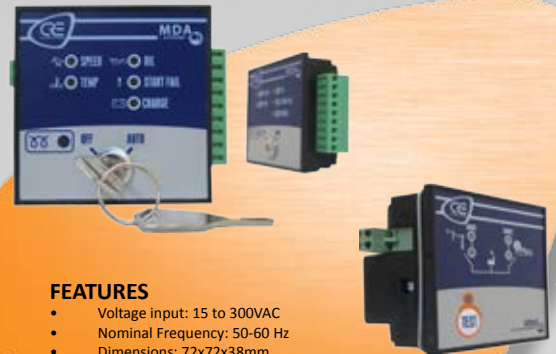Innovation for better control and application

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

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

FEATURES
- Voltage input: 15 to 300VAC
- Nominal Frequency: 50-60 Hz
- Dimensions: 72x72x38mm
- Operating temperature: -20°C to 70°C.

ENHANCED UNITS

CRE TECHNOLOGY offers 3 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 RS85 communication port
- Configurable inputs / Outputs
- 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

TCGEN 2.0: Auto mains failure
- Manual and Automatic start feature
- J1939 Canbus communication port
- Generator + Mains breaker management
- Electrical and mechanical protections of the generator
- Electrical protections of the Mains + 3 phases mains fault detection

FEATURES
- **DC Voltage input: 8 to 32VDC**
- **AC Voltage input: 50 to 500VAC - 50 & 60Hz**
- Dimensions: 245x182x40mm
- Weight: 750g
- Environment: -30°C to 70°C - IP65
- Humidity 95% non condensing

ENHANCED UNITS

WITH SMART FRONT CASE

CRE Technology offers a package including the enhanced control module and a smart front case which include all peripheral features and components of the module.

This package offers:
- 1 control module (ACGEN 2.0 or ICGEN 2.0 or TCGEN 2.0)
- 1 battery charger 12V-5A or 24V-3A on the rear
- 1 buzzer
- 1 emergency push buton
- 1 ON/OFF key switch
- 10 fuses supports + fuses on the front

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.

- From 25A (17KVA) to 1600A (1107KVA).

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/IC/TCGEN 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 dowload configuration files.
It also offer scada features with all electrical and mechanical parameters available in the control module.

ACCESSORIES

- Serial Cable: This cable is used to connect your AC/IC/TCGEN2.0 with a PC for the remote control. It is a db9f-db9f null modem cable.

- GSM Modem: This GSM/GPRS modem is used for GSM or GPRS communication. For GSM communication, you need to connect it to the AC/IC/TCGEN2.0. For the GPRS data transferring it's necessary to connect one modem to the PC and one to the AC/IC/TCGEN2.0. In both cases, the connection must be done with a normal male-female 9 poles serial cable.

EXPERT IN GENERATOR SOLUTIONS