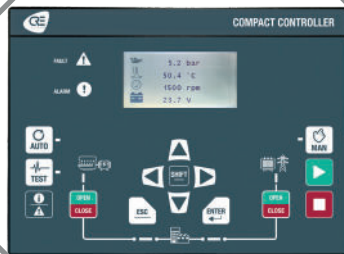# GENERATORS CONTROL SOLUTIONS

CRE technology

Innovation
for
better
control

GENERATOR CONTROL SOLUTIONS

Innovation for better control

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 and nominal frequency: 50-60 Hz

ACGEN 2.0 & ICGEN2.0

CRE TECHNOLOGY offers two additional modules for generator control. These modules can be fully programmed either by the front face or either with a PC software free of charge.

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

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 mains.
- 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 **EasyFlex**.

The **AMF COMPACT** can manage one ATS or two breakers. The breakers position can be connected (with breakers failure management) or not. The **AMF COMPACT** is available in both switchboard panel mounted version with display, or core base mounted version. The **AMF COMPACT** is configurable from its front panel display, remote touchscreen, or through our i4Gen Suite PC software. The **AMF COMPACT** can be used in Auto Start Mode without transfer switch management.

AVAILABLE IN CORE BASE DIN RAIL MOUNTED VERSION & SWITCHBOARD MOUNTED VERSION WITH DISPLAY

ASSOCIATED MULTI-TOUCHSCREEN RANGE

I4GEN COLOR TOUCHSCREEN HMI

The **i4Gen** is a range of multi-touch screen color display developped for harsh environment and industrial areas providing access to all controller's data for control, measurement and configuration. Thanks to **ZOHO Assist** application (available for PC or mobile phone), it is possible to access remotely to the **i4Gen** for support, remote control and monitoring. (A remote access with up to 10000 **i4Gen** units). Emails sending on configurable events: 10 differents email addresses are available.
- The i4Gen touchscreen and color display range (7, 10 & 15") is available for the COMPACT controllers.
- It offers configuration, control, monitoring and logging (parameters, measures, events) of COMPACT controllers.
- i4Gen display can be duplicated on computer locally by LAN or remotely by internet or GPRS
- Thanks to its WIFI function, i4Gen offers also the capability of remote service and support by connecting your smartphone in connection sharing.

NEW: In addition to its very advanced functions, the i4Gen now offers you the display of the single-line diagram of your complete power plant, as well as the production curves of each source. The i4Gen is compatible with the AMF COMPACT.
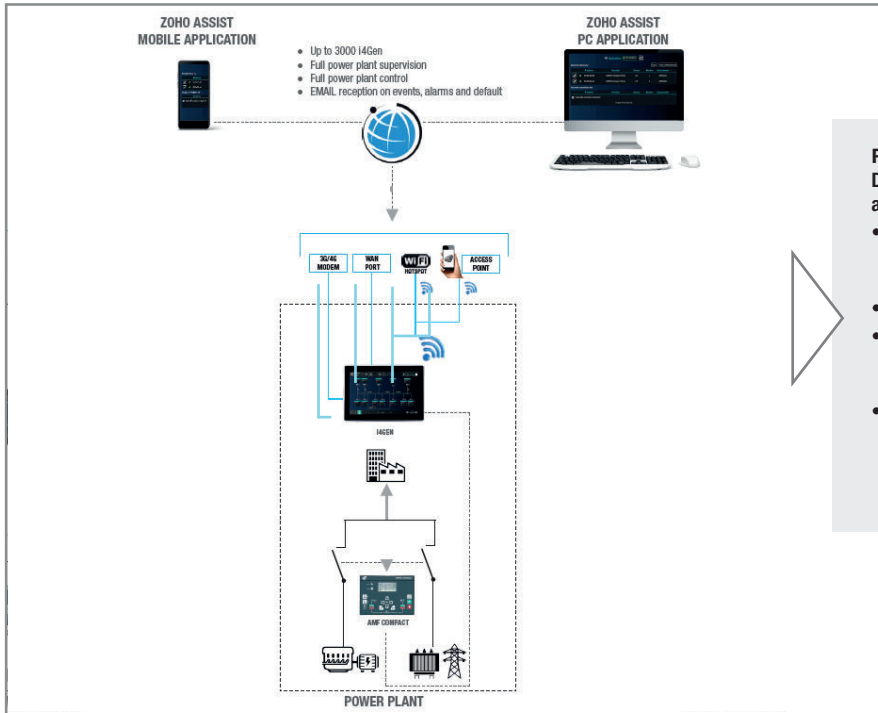
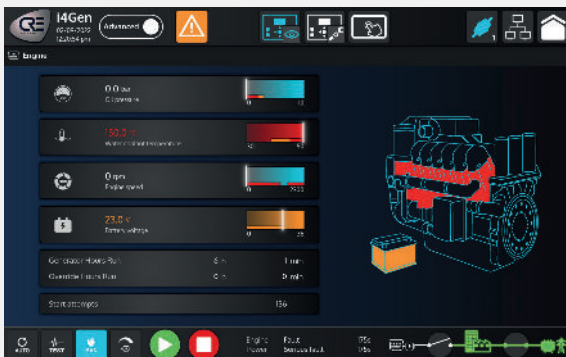**AVAILABLE IN 7", 10" & 15"**

REMOTE DISPLAY & CONTROL WITH i4Gen HMI

Discover our brand new remote functions for the management and configuration of your power plants with AMF COMPACT.

- **An embedded WIFI communication fully configurable:** Allows connection to any WIFI spot available or Access point mobile phone for remote CONTROL AND SUPERVISION through i4Gen touch screen.

- **3G/4G modem and WAN port**

- **Emails sending on configurable events:** 10 different emails addresses are available. Events could be alarms or faults or events (Start/Stop, breaker closure, manual mode...)

- **A remote access with PC or mobile phone with up to 10000 i4Gen units:** The remote Access is powered by ZOHO Assist application available for PC or mobile phone (Iphone & Android). The number of technicians who can access the account is unlimited.

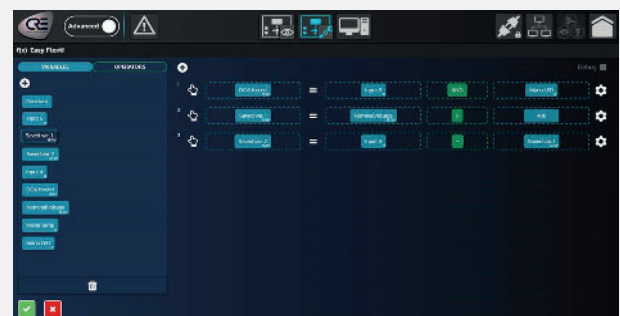## PC SOFTWARE (VISUALIZATION & PROGRAMMING)

I4GEN SUITE - CONFIGURATION SOFTWARE

CRE TECHNOLOGY has developped a new PC software which allows you to connect to all COMPACT modules of a power plant through a HUB. This user-friendly software allows you to configure and monitor all modules of your power plant in real time. Automatic firmware update for i4Gen Suite and controllers are managed. Visit our website to get the firmware, free of charge.

EASYFLEX
PROGRAM & CUSTOMIZE YOUR INTERNAL LOGICAL SEQUENCES

i4Gen Suite offers programming capabilities. It is possible to customize your application by programming specific features with **EasyFlex**. **EasyFlex** allow user to write up to 50 lines of equation with 100 users variables, trough an intuitive editor, giving the opportunity to fit with any specific application and to extend standard features. Every variables, logic operators and arithmetic operators are available.
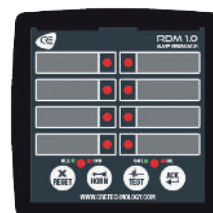

COMPLEMENTARY PRODUCT

RDM 1.0 - ALARM ANUNCIATOR

The RDM 1.0 is a new, robust and easy to use alarm annunciator suitable for industrial generators applications. The RDM 1.0 is an 8 channels, 96x96mm module. This product offers the following advantages:

- Front face and dip switch configuration (no computers needed)
- Power supply from 19-150VDC, 8 digital fault inputs (opto-isolated)
- Filter delays of input can be set (from 2ms to 500ms),
- Watchdog function (led and digital output information)
- Leds colour set-up (green or red), to differenciate alarms priorities and to activate 2 different outputs
- Internal buzzer 80dB, ModBus RTU-RS485 and a tool is provided to print alarms names' tags

NEW PRODUCT !

CE

HOW TO CONTACT OUR AFTER SALES SERVICES TEAM:
- By email: support@cretechnology.com
- By Skype: support-cretechnology.com
- Phone: +33 (0)4 92 38 86 86

www.cretechnology.com

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