GENSETS SOLUTIONS

engine and genset control

CRE Technology offers a complete range of products from start/stop controllers, auto mains failure, auto transfer switch to remote monitoring and to the more advanced all-in-one modules with synchronization, load sharing and PLC features.

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MDM

Manual start unit

The MDM unit is a basic, microprocessor controlled unit designed to start and stop the genset manually using the key switch and pushbuttons on the front panel. It has high power relay outputs enabling it to interface directly with diesel gensets.

When the engine is running, the unit monitors fault conditions and shuts down the engine automatically if an alarm occurs. The alarms are indicated with LEDs.

FEATURES

Basic protections: overspeed, oil pressure, water temperature, spare fault input
Voltage: 15 to 300 V_{AC}
Frequency: 50 or 60 Hz nominal
DC supply range: 8 to 33 V_{DC}
Dimensions: 72x72x38mm

FEATURES

Basic protections: overspeed, oil pressure, water temperature, spare fault input
Remote start runs the engine
Voltage: 15 to 300 V_{AC}
Frequency: 50 ou 60 Hz nominal
DC supply range: 8 to 33 V_{DC}
Dimensions : 72x72x38mm

MDA & MDA PLUS

Manual and remote start unit

The MDA unit is a basic, microprocessor controlled unit designed to start and stop the genset automatically on request of an external Remote Start signal. It has high power relay outputs enabling it to interface directly with diesel gensets.

The MDA PLUS is a comprehensive generator control unit, designed to start and stop the generating set both manually and remotely. The manual control is operated via the pushbuttons on the front panel. The remote control is activated via the remote start input signal on the module control is via the remote start input signal.

FEATURES

Basic protections: overspeed, oil pressure, water temperature, spare fault input
Extended protections: overload, charge fail, service request
Remote start runs the engine
Digital display: U, I, kW, cos ϕ, t°, P
Frequency: 0 - 100 Hz
DC supply range: 9.0 to 33.0 V_{DC}
Dimensions: 155x115x48mm

MDX PLUS J1939

Automatic mains failure unit

The MDX PLUS J1939 is a comprehensive AMF unit for a single generating set operating in standby mode. The unit is controlled with front panel pushbuttons.

The MDX PLUS J1939 provides a comprehensive set of digitally adjustable timers, threshold levels, input and output configurations and operating sequences.

FEATURES

Basic protections: speed, oil pressure, temperatures, spare fault input
Extended protections: overload, charge fail, service request
Remote display runs the engine
Digital display: U, I, kW, cos ϕ, t°, P
J1939 communication & Modbus
Frequency: 0 - 100 Hz
Dimensions: 155x115x48mm

FEATURES

Gensets and mains protections
Full communication ports
Voltage: 15 to 300 V_{AC}
Frequency: 50 or 60 Hz nominal
DC supply range: 8 to 33 V_{DC}
Dimensions: 72x72x38mm

TC GEN

Automatic mains failure unit with remote display

TCGEN controller is a supervision equipment for generators with remote display and starts the generator in case of mains failure.
This controller is composed of two different modules:

• Remote display module

The remote diplay module provides information about the status of the device and, at the same time, allows the user to interact with it. With this visualization module the user is able to control, program and configure the functions of the unit.

• Core unit

The core unit controls and monitors the control board. It is located in the rear part of the panel, in order to reduce the wiring and to avoid electromagnetic disturbances. Every signal, sensor and actuator is connected to this module. Connection between those two modules is made by a CAN bus (Communication Bus).

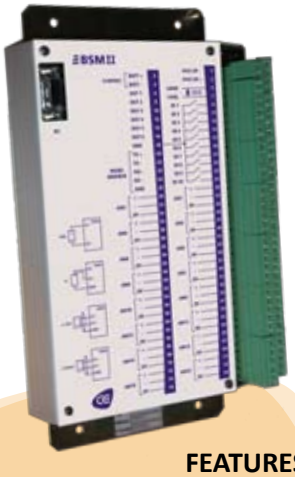
FEATURES

3 phase mains voltage monitoring
Adjustable voltage with potentiometer
Remote start output
Alternator Voltage: 15-300 V_{AC}
Mains voltages: 300 V_{AC} max
DC supply range: 9 to 33 V_{DC}
Dimensions : 72x72x38mm

MNS

Auto transfert switch

The MNS is a basic, microprocessor controlled unit designed to monitor 3-phase mains voltages, send remote start commands to the generating set, and manage changeover of both the generator and the mains contactors. The genset should be controlled by a Remote Start control unit.



BSM II

Archiving, monitoring and remote surveillance

CRE provides a global solution for engine diagnostics, control and maintenance: the BSM II.

A complete configurable electronic unit that integrates all the functions necessary for the control of an engine powered installation in a compact module.

FEATURES

All types of digital or analog sensors:
K and J thermocouples, PT 100,
Ω, 0-20 A, 0-10 V_{DC}
Embedded PLC
Extended communication ports
Supply: 8-38 V_{DC}
Dimensions: 260x160x90mm

BSD & BSD PLUS

Remote monitoring box

The CRE Technology BSD is a single-box solution for remote monitoring of generating sets. It has built-in alarm handler, data logger and web based data presentation.

The product brings new opportunities to the generator market as it provides an easy-to-use solution for remote communication in a cost effective way. It includes pre configurations for the interfaced CRE products and also offers Modbus interfacing to third party controllers, allowing great flexibility.

FEATURES

Alarm management
Monitoring and control
Data logging and trending
Plug and play configurations
Compatible with Modbus protocol
Full compatibility with gathering server
All software included
2 digital inputs
Power supply: 9-28 V_{DC}
Dimensions: 90x70x58mm

contact us

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after sales service

All CRE Technology products are delivered with one year warranty, and if necessary we will be happy to come on site for product commissioning or troubleshooting. The company also provides specific trainings on our products and softwares.

Our team of dedicated engineers will help you on the field or over the phone from Monday to Friday between 8 am to 8 pm nonstop (GMT+1):

on: +33 492 38 86 86

or on +33 619 35 07 78

outside office hours

benefit from our experience

Thanks to a 30 year experience in the paralleling system and energy control, CRE Technology continues to develop solutions to meet market increasing expectations.

Our engineers develop high technological solutions combining reliability, modularity and intuitivity. They also can customize our products as you wish.

come and join cre team

We are currently seeking partners to represent our range of products worldwide.

Joining our team represents a great opportunity to grow and develop your business, selling, promoting and supporting our products.