



-power in control

ENGINE & GEN-SET CONTROLS



Multi-line 2 – Automatic Gen-set Controller, AGC 3 – reliable and mechanically robust power management

- 6 Standard Applications
 - Engine Control
 - Multiple Displays
- GSM/Remote Network Communication
 - Generator and Mains Protection
- Engine Communication (MDEC, J1939)
- Power Management (full redundancy)

Multi-line 2 – AGC 3

A gen-set controller that will rock your world

The AGC control unit contains all necessary functions for protection and control of a gen-set. The applied technology is based on products which have passed strict marine approval procedures testing product robustness, reliability and durability. Therefore, the AGC is fully operational in temperatures ranging from -25 to +70 degrees Celsius.

The essence of flexibility

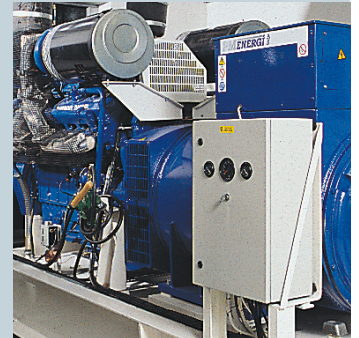
The AGC allows for use in different applications and at different sites without having to make any reprogramming or reengineering, the running mode will shift automatically on site. Other significant AGC features include built-in engine control start/stop, sequences, synchronisation and load sharing. Add to this protection of engine, gen-set and mains.

All software and hardware for all possible applications has been integrated in the AGC control panel: the running mode of the unit can be changed on-the-fly remotely via I/O or Modbus commands, or on the display. The frequency 50/60Hz can be changed in the same way. The available AGC running modes are automatic mains failure, island operation, fixed power/base load, peak shaving, load take over and mains power export.

Remote monitoring

Moreover, the controller can be equipped with a GSM modem, or TCP/IP communication, allowing service technicians to receive SMS message in clear text on the mobile phone on genset alarm or warning – this is very useful to make predictive maintenance and also to minimise the gen-set downtime.

To further support customer requirements, our customer service is open 24 hours a day, 7 days a week, so it will never be too late to call us..



The functionality of the AGC is based on options, so you will never pay for features you do not need.



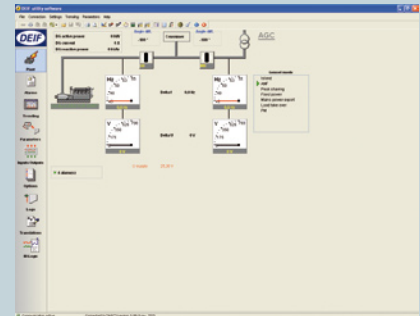
A minimum of wiring – the display unit is connected to the main unit by a single cable. The main unit can be DIN-rail or flush mounted where it is nearest the cabling.

Multi-line 2 – AGC 3

Take control

During commissioning as well as in daily operation you will find the free PC software a valuable tool. The software gives you:

- **Plant overview** – a graphic presentation of your application presenting breaker status, main readings of the AGC, etc.
- **Overview of set-points** – presentation of setpoints.
- **Up-/download of settings** – allowing you to enter the settings of your AGC in the PC software and upload them to the unit. You can download the settings from the unit to the PC as well.
- **Trending** – a customisable log of the most important readings (voltages, etc.). The logging of the values can be set to be as detailed as one reading every 0.5 second.
- **History of alarms** – provides instant overview of which alarms have taken place when, etc.



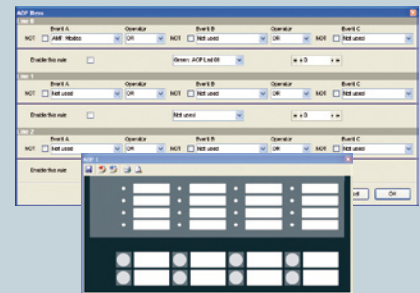
The main screen of the free PC software provides you a swift plant overview.

Communication

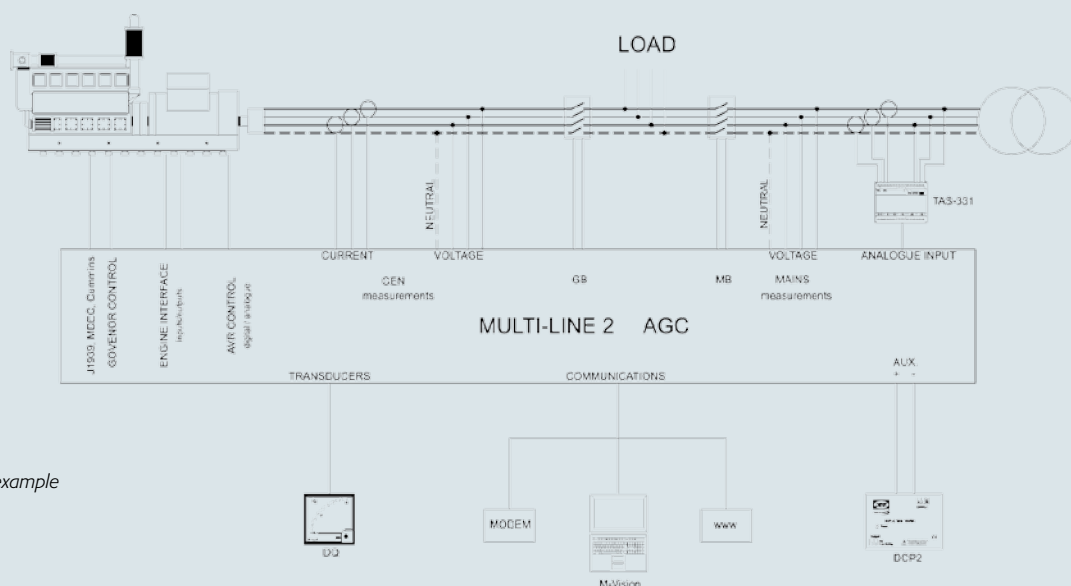
The AGC can handle several serial communication protocols such as Modbus, Profi-bus, etc. GSM or TCP/IP communication is possible. With this feature, you will find that your gen-set is always as near as the nearest PC connected to the internet.

In addition to a customisable plant status overview, GSM communication also provides the possibility of remote start/stop, sending of SMS/e-mail alarms to personnel on "remote" duty, etc.

For further information, please refer to www.deif.com or call us.



The additional operator panel can be configured to fit your needs by means of this user interface.



Application example

Founded in 1933, DEIF has more than 70 years of experience. Today, we are active on the international markets for engine & gen-set controls, marine bridge instrumentation, switchboard instrumentation and renewable energy controls.

It is our ambition to maintain and expand our position as one of the most trusted suppliers within our fields of operation. This goal will be reached by ensuring that DEIF continues to offer real competitive advantages to our customers by supplying superior product quality, the best and most flexible features and competitive pricing.



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