

Auto Start and Automatic Mains Failure Controller

INTRODUCTION

Despite its compact dimensions, GC250 includes all the main engine and alternator protections you need, such as oil pressure, coolant temperature, frequency, voltage, current, power and fuel level.

The same controller can be used for electronic engines with CAN interface J1939 and MTU MDEC protocols, and MPU engines (non-electronic).

Configuring the inputs, outputs and protections, GC250 can be easily adapted to suit a wide range of applications.

GC250 offers a wide, graphic display 128 x 64 pixels providing icons for alarms/warning and for signalling the status of the engine, controller and data logs.

MAIN FEATURES

- AUTO-START and AMF (Automatic Mains Failure) controller for single gensets.
- Large LCD display with LED backlight and icons.
- Compact dimensions.
- 3 Phases mains (utility) sensing.
- 3 Phases generator sensing.
- 3 x CTs inputs.
- True RMS measurements: kW, kVA, kVA_r, pf, kWh (phase & total).
- 4 Configurable digital inputs.
- 3 Configurable analogue inputs + 1 (shared with a digital input) + 1 for D+.
- Interface for traditional and J1939 engines.
- USB serial port for configuration and FW update.
- Data recording: 64 Events log, 64 (slow) + 42 (fast) periodical recordings.
- Remote start and stop.
- Embedded horn alarm.
- Real Time Clock with internal rechargeable Lithium battery.
- Periodical test.
- Free configuration software

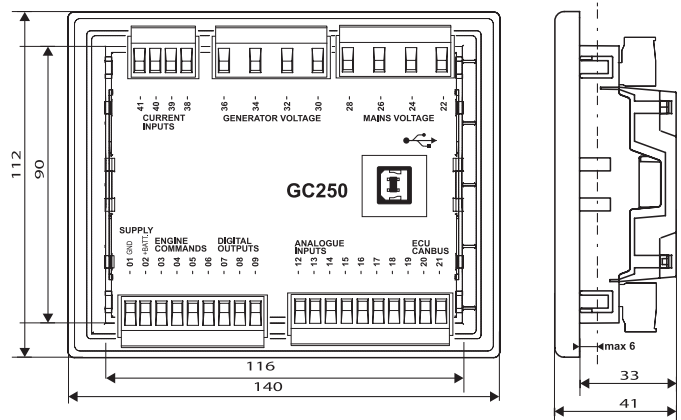
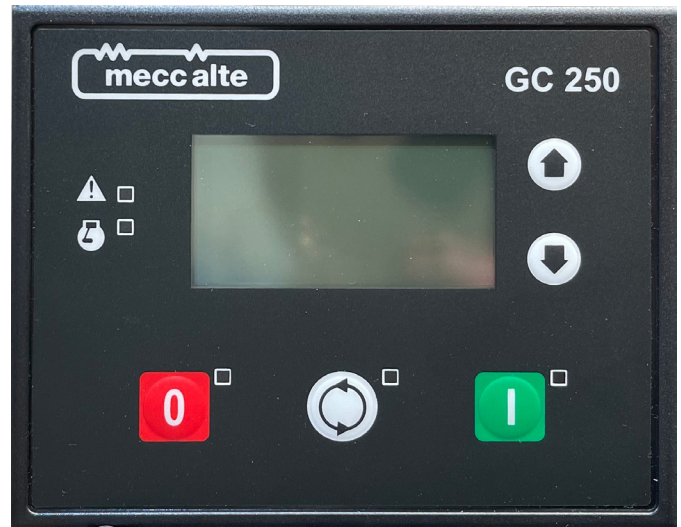
EMBEDDED FUNCTIONS

User-friendly symbols and codes for:

- Min voltage generator
- Max generator frequency
- Over speed
- Min fuel level
- High coolant temperature
- Low battery voltage
- Failure engine CANBUS

Protective measures for all phases or for each single phase:

- Engine Protection
 - Fuel reserve.
 - Min./Max. fuel level.
 - Min./Max. battery voltage.



- Min./Max. oil pressure and temperature.
- Min./Max. coolant temperature.
- Max. power (32).
- Closing failure of mains contactor or genset contactor.
- Engine over crank.
- Over speed from generator frequency.
- Belt breakage.
- Operating conditions not reached.
- Emergency Stop.

- Generator Protection
 - Underfrequency (81U).
 - Overfrequency (81O).
 - Undervoltage (27).
 - Overvoltage (59).
 - Time dependent overcurrent (51).
 - Instantaneous overcurrent (50).
 - Phases sequence (47).
 - Currents and voltages unbalance (46/47).
- Mains Protection
 - Min./Max. mains voltage (27/59).
 - Min./Max. mains frequency (81U/81O).
 - Mains failure.

Auto Start and Automatic Mains Failure Controller

TECHNICAL DATA

- Operating temperature: -30°C to 70°C.
- Storage temperature: -30°C to 80°C.
- Dimensions: 141 (W) x 113 (H) x 39 (D) mm.
- Cut-Out dimensions: 118(W) x 92 (H) mm.
- Weight: 250gr.
- LCD display 128x64 with LED backlight.
- Protection degree: IP65 (with complimentary gasket).



Mecc Alte Kit
Bundle Option



Lower Costs
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User Friendly
Intuitive

Mecc Alte SPA (HQ)

Via Roma
20-36051 Creazzo
Vicenza - ITALY
T: +39 0444 396111
E: info@meccalte.it

Mecc Alte U.K. LTD

6 Lands' End Way
Oakham
Rutland, LE15 6RF
T: +44 (0) 1572 771160
E: info@meccalte.co.uk



The information contained in this document is substantially correct at the time of publication but may be subject to change. Please work with your Mecc Alte contact to confirm details.



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POWER FROM WITHIN