



- Remote & manual start & stop
- Graphic remote display
- Programmable
- Communication ports: RS232, RS485
Modbus, CAN J1939, USB
- Inputs/Outputs Extension Module

ACGEN2.0

Auto start controller

PART NUMBER

A63Z1

ASSOCIATED PRODUCTS

A63Z4 coupler for DI/DO extension
A63Z5 8 digital inputs
A63Z6 8 digital outputs
TCGEN2.0
ICGEN2.0
CRE Monitor (Configuration software)

The ACGEN 2.0 is a complete auto start controller with remote start/stop for a single generating set operating in standby mode.

This controller is used for automatic and manual control of generators. The test feature allows you to set various daily or weekly self tests of the generator. ACGEN2.0 module also handles OpEx feature for the control of fuel costs.



ACGEN2.0 FEATURES

- Back-lit LCD graphic display with multiple information pages
- Help button for on-board instructions
- Multiple password access
- 57 configurable alarms and protections
- High accuracy TRMS measurement
- Date and time (real time clock with battery)
- 3 languages available on board (English, French, Italian)
- 250 engine history events log and data-logger
- System statistics: engine, alternator
- Fully programmable by keyboard & easy set up
- Engine speed measurement with magnetic pick-up or alternator frequency
- Modbus communication
- Featuring 8 digital inputs and/or 8 digital outputs

CHARACTERISTICS

- DC range: 8 to 32 V_{DC}
- AC supply range: 50 to 500 V_{AC}
- Typical standby current: 100 mA_{DC}
- Maximum operating current: 350 mA_{DC}
- Generator breaker relay output: 8 A / 250V
- DC outputs: 6A / 28V and 2A/28V
- Charge excitation current: 54mA @ 12V_{DC}
- Voltage dropouts immunity on the power supply : 0V for 200ms

Ports

- 1 RS232 port for Modbus RTU communication
- 1 RS485 port for Modbus RTU communication
- 1 USB port for computer communication
- 1 CAN bus J1939 for engine communication (Scania EMS, Volvo EMS, Volvo EDC, Perkins, John Deere, Deutz, Iveco, Cummins, MTU)

Environment

- Operating temp.: -30°C + 70°C
- Maximum humidity: 95% non-condensing.
- Front panel protection: IP65

Dimensions and weight

- Dimensions: 245x182x40mm
- Panel cut-out dimensions: 220x160 mm minimum.
- Weight: 750 g

Homologation

- EN61000-6-(2), (4)
- IEC61000-4-(2), (3), (4), (5), (6)
- IEC60086-2- (1), (2), (6) + IEC60086-2-30 - CISPR 16-1

ACGEN2.0 Auto start controller



PROTECTIONS

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| <ul style="list-style-type: none"> • Low oil/ coolant level • Ground protection alarm • High fuel consumption • Start/Stop phase • Battery maintenance & stop failure • Fuel low/High leakage • Unexpected consumption • Service • Refueling timeout • Remote start/stop • Warranty expired • Charger alternator failure • Test failed • Low/High temperature alarm (digital) • Battery charger alarm & emergency button | <ul style="list-style-type: none"> • Feedback generator breaker • System locked • User alarm 1/2/3 • Faulty start • Mechanical fault • Low/High frequency generator • Low/High voltage generator • Wrong phase sequence generator • Current overload & short-circuit • High temperature prealarm/alarm (analog) • Low fuel prealarm/alarm (analog) • Low oil pressure prealarm/alarm (analog) • Low/High battery voltage • Low/High RPM value & low autonomy |
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