MDM

Basic units range

CRE TECHNOLOGY offers 3 basic microprocessor modules 72 x 72 for generator control. These modules display all information on leds and 10A relay outputs.

MDM is a basic microprocessor controlled unit designed to start and stop the genset manually using the key switch and pushbuttons on the front panel.

CE EAC

PART NUMBER

A60Z3

KEY FEATURES

A SIMPLE PRODUCT FOR BASIC APPLICATIONS

- The manual start and stop sequences have been reduced to their simplest form. The front panel provides “RUN” and “OFF” positions, with a preheat button when required. The alarm LEDs show any engine fault condition: overspeed, underspeed, high engine temperature, low oil pressure, auxiliary shutdown.

ENERGIZE TO STOP CONTROL

- The MDM is also able to control ‘Energize to Stop’ engines. When the ‘Energize to Stop’ option is selected, the auxiliary relay output will be energized during the stop timer and the led associated with this condition will be turned on. The choice of engine type is made using a jumper switch.

COMPATIBILITY

- The limits for the correct generator frequency are 25 to 57 Hz when in 50Hz operation and 25 to 68Hz for 60Hz operation.

RELIABLE AND EASY TO USE

- The MDM is dedicated to basic applications which tolerate no extra costs or expensive hardware. The MDM has passed EMC and low voltage tests, and all units are 100% tested before delivery.

OPTIONS

- Engine control (without alternator).

APPLICATIONS

Basic units are easy to use and made for small genset refit or manual backup system, there is no PC requires for settings.

CRE TECHNOLOGY - 130, Allée Charles-Victor Naudin - Zone des Templiers - SOPHIA ANTIPOLIS - 06410 BIOT - FRANCE
Téléphone : + 33 (0)4.92.38.86.82 - www.cretechnology.com - info@cretechnology.com

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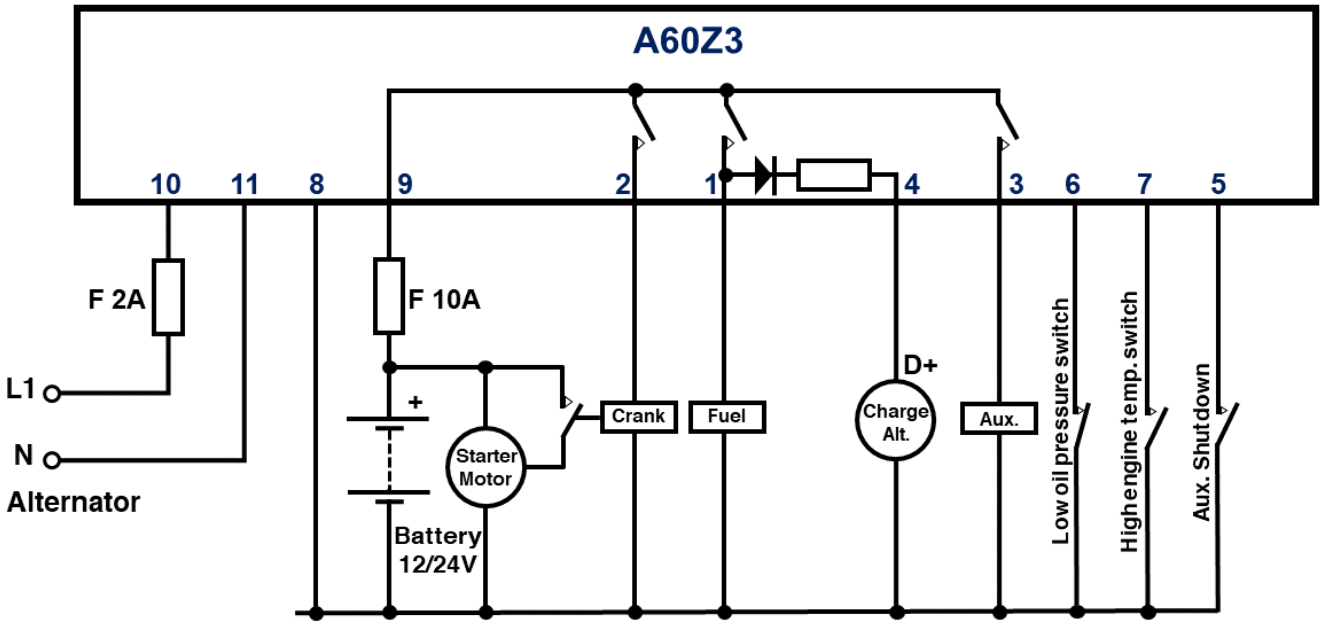
WIRING DIAGRAM



CERTIFICATIONS

CERTIFICATIONS
EMC
Low Voltage

MDM

Basic units range

SPECIFICATIONS

CURRENT, VOLTAGE AND FREQUENCY	
Alternator voltage	15 to 300 VAC
Alternator frequency	50 or 60 Hz nominal
Overspeed	Nominal frequency + 14% (+24% overshoot)
Underspeed	25Hz
DC Supply Range	8 to 33 VDC
Current consumption	80mA max. (Outputs open)
Charge fail threshold	6 VDC
Charge excitation current	Via 82 Ω resistor connected to the FUEL output
INPUTS, OUTPUTS	
DC supply	12 or 24 VDC, (+) and (-) terminals
L1	Generator phase voltage
Neutral	Generator neutral terminal
High temp switch/ Low oil pressure	Negative closing switch input
Aux	Spare fault input. A negative supply connected to this input will cause the engine to be stopped immediately and an alarm to be triggered (independent of the protection hold-off timer).
Charge	This terminal will supply the excitation current and measure the voltage of the charge alternator.
Output	Fuel solenoid: 10A@28VDC / Start: 10A@28VDC / Auxiliary: 10A@28VDC
ENVIRONMENT	
Operating temperature	-20°C (-4°F) to 70 °C (158°F)
Storage temperature	-30°C (-22°F) to 80 °C (176°F)
Maximum humidity	95% non-condensing
SIZE AND WEIGHT	
Dimensions	72x72x38mm (WxHxD)
Panel cut-out dimensions	68x68 mm
Weight	140g (approx.)

RELATED PRODUCT

CONTROLLER	
A56-AMF	AMF COMPACT

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