

AMF mini with LCD Display

Automatic generator starting on Mains Failure

The AMF mini model AMF520C is a low cost, full featured controller, which automatically starts diesel or petrol generators when there is a mains failure.

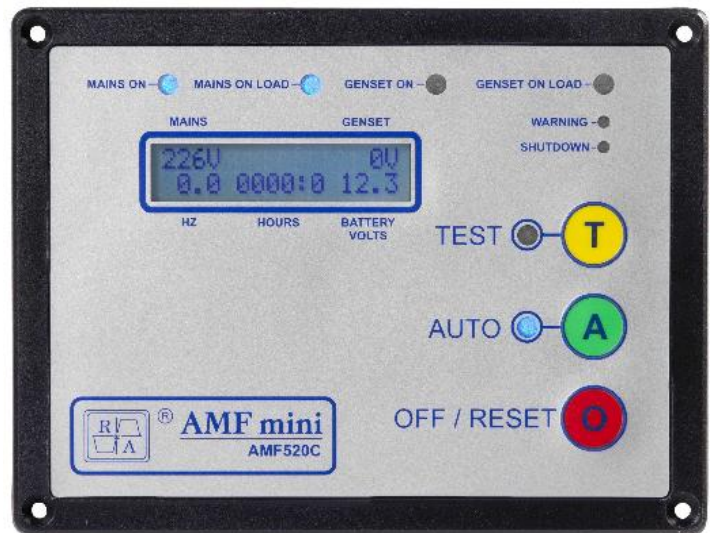
When the mains returns the generator is automatically stopped.

Three clearly labeled and colour coded push-buttons set the operating mode.

Mains volts, Genset volts, Frequency, run Hours, Battery volts and Alarms are displayed on a high contrast LCD display with backlighting.

Comprehensive alarms monitor critical engine and alternator parameters for fault conditions.

The AMF mini is simple to install and use.



A **AUTO** – This is the **Normal** operating mode. When the mains fails the engine starts automatically and when the mains returns the engine is stopped.

T **TEST** – This mode tests the generator. The engine starts automatically and is stopped by pressing either the AUTO or OFF buttons.

O **OFF** – This mode turns the AMF mini OFF, stops the engine and cancels any alarms.

FEATURES

- For diesel and petrol engines.
- 12 or 24 battery voltage.
- For generators of all sizes.
- Simple operation using three push-buttons.
- Clear Status and Alarm indication using ultra-bright LEDs.
- Field settable parameters for custom configurations.
- A South African product, designed for local conditions by a company who have been manufacturing AMF controllers since 1987.
- High contrast Smart Fluid LCD display with Blue text and white backlighting.
- Simultaneous display of Mains voltage and Genset parameters.
- Remote Alarms using the optional RA500 Remote Alarms module.



Generator Manufacture and Sales:

Design and Manufacture by:

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AMF mini – AMF520C-2

Automatic generator starting on Mains Failure

Alarm Inputs: 6 opto-isolated.

- LOW OIL PRESSURE.
- HIGH TEMPERATURE.
- LOW WATER/ REMOTE STOP.
- EMERGENCY STOP.
- CHARGE / SPARE.
- NO FUEL.

Outputs: 6 fault protected solid state (DC only).

- MAINS ON LOAD.
- FUEL.
- CRANK.
- ALTERNATOR ON LOAD.
- CHOKE / PRE-HEAT.
- ALARM.

LED indicators: 8 high brightness: Status are blue, Shutdown is red and Warning is yellow.

- MAINS ON.
- MAINS ON LOAD.
- AUTO.
- WARNING.
- ALTERNATOR ON.
- ALTERNATOR ON LOAD.
- TEST.
- SHUTDOWN.

LCD display: High contrast Smart Fluid LCD display with Blue text and white backlighting with simultaneous display of Mains voltage and Genset parameters.



Supply voltage: 3.6 – 32 V DC (no auxiliary battery required).

Protections: Reversed battery polarity & battery over-voltage.

Mains & Generator inputs opto-isolated.

Digital inputs opto-isolated.

Solid state outputs protected against short circuit.

Temperature: -10 to +55 °C (operating).

Mains/alternator: Single phase Mains / Alt. - 100 to 275V AC 50/60 Hz (phase-neutral).

Solid State Relays: 4A / 36V DC.

Dimensions: 168 x 128 x 30 mm (W x H x D).

Cut-out dimensions: 148 x 108 mm (W x H).

Rev. 6

Note: specifications are subject to change without prior notice!

