

## 3 - Phase AMF, Protection and Monitoring controller

“AMF 10” is a Microprocessor based high performance 3 - Phase Auto / Manual Generator controller with all protections and monitoring controller. On 20 X 4 Backlit LCD you can monitor all engine & Genset parameters, Operational messages, Faults messages etc. 7 operating keys, 8 individual fault LED indication, provides you more user friendly operation



### Key Features:

- 41 Programmable Parameters, Programmable Site Code
- 11 Digital Inputs, 12 Relay Outputs
- Date and time, 99 Fault Data logger
- Remote monitoring of parameters via RS 232/ 485 upon Request. (In progress)
- DG operation and Active Fault message on you mobile via GSM modem
- Backlit LCD 20 X 4 lines
- High Quality SMD LED indication for 8 individual , 2 for DG/ MAINS Supply and 2 for DG/MAINS Breaker Status
- Programmable output for Fuel Solenoid or Stop Solenoid
- Rental DG hours Programmable
- Automatic periodic test
- 27 operating & fault messages

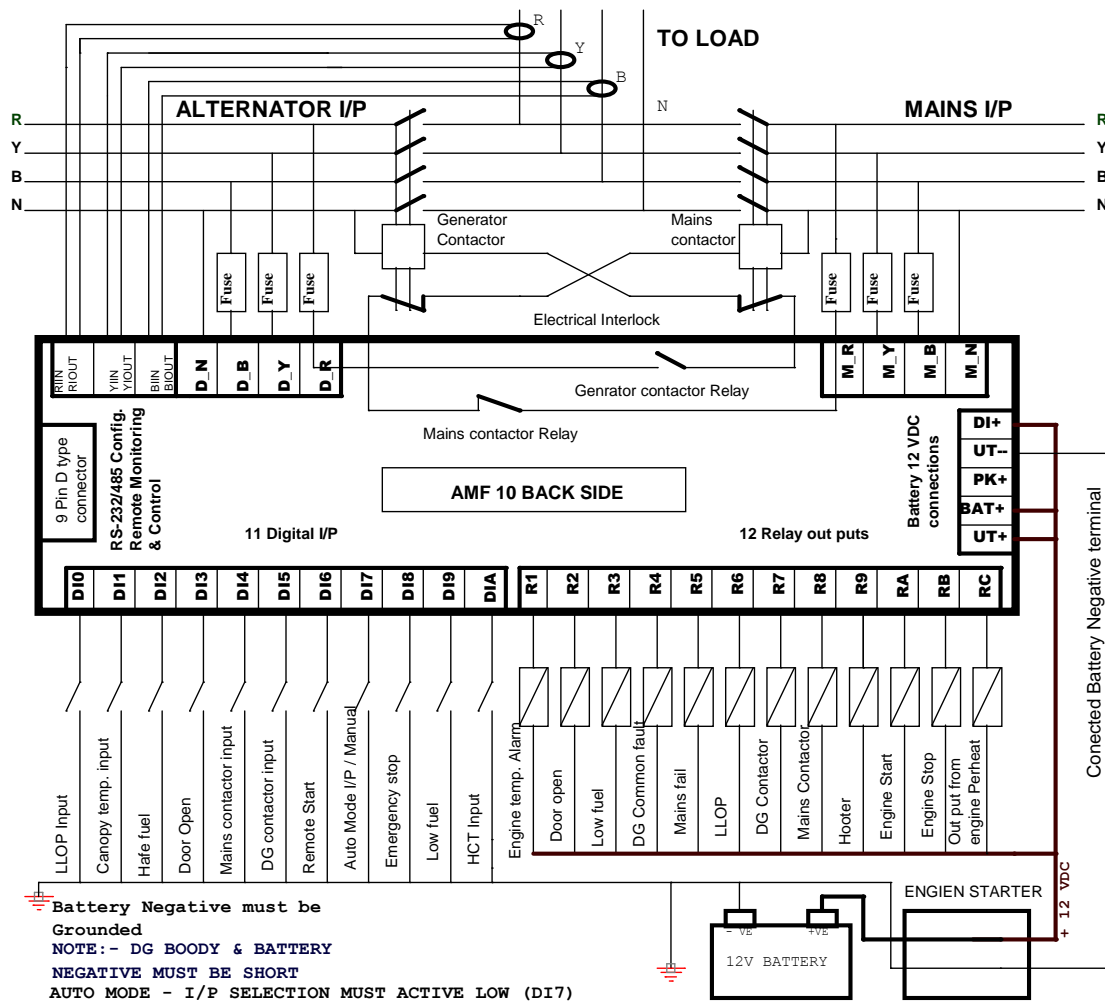
### Engine & Generator Protections

- Binary Switch Input protection for Low oil Pressure, High Canopy Temp, Half Fuel, MAINS Contactor/DG Contactor feedback,
- Remote Start, Auto mode Input, Emergency Stop input,
- Low Fuel input, High Coolant temp.
- DG /MAINS Over voltage /under Voltage, DG Low/High Frequency,
- Low Battery, Fail To Start, Fail To Stop, Overload (Over Current )

### Engine & Generator Measurement

- 3 – Phase DG /MAINS AC voltage
- 3 – Phase DG Current, Power factor,
- Active power- KW, KWH for DG and MAINS
- Engine Running Hours (h)
- Battery voltage, (Vdc)
- Engine Frequency (Hz) / Speed (RPM)

## General Wiring Diagram



## Controller Specification

DC Supply range .....	12V DC
Current Transformer input .....	0.09Amp to 5Amp.
VAC Input rating .....	40 - 300 V @ 50Hz.
VAC Maximum Voltage range.....	600 V
Solid State output .....	500 mA Max
Digital Inputs .....	32V DC max/Engine Ground
Weight.....	approx. 950 Gms.
Operating temperature.....	0 to 70 degree Cent.
Display Accuracy.....	+ / -1% of F.S.D.
Dimension .....	96 x 192 x 80 (H x W x D)
Cut Out Dimension.....	92 x 184.
Power rating .....	<2.5VA (without power saving option) <1VA (with LCD power saving option)

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