



ETI **Genset**

AMF
DG - BTS Unit
Engine Safety Unit

AMF Controller

EAMF-9920

Import Substitute AMF Controller



“आत्मनिर्भर भारत अभियान”

Description

- The EAMF-9920 is an Auto-Mains Failure control module & is suitable for wide variety of GENSET applications.
- The product is based on advance Microprocessor with High Speed Clocks for monitoring various critical parameters like Engine Speed, Oil Pressure, Coolant Temperature, Frequency, Voltage, Current, Power & Fuel Level. The unit provides a comprehensive protection to Engine & Alternator.
- The unit is designed with latest SMT technology & is very compact, thereby providing the user with ultimate size to feature ratio.
- A large size graphical LCD display has been provided & user can very easily see various parameters, warnings, electrical trips & shut down alarms.
- The variants available are
 - **EMAB-600** - BTS Tower Management Controller
 - **EAMF-9924** - Advance AMF Controller
 - **DGMC-500** - Basic AMF Controller
 - **EEPL-666** - Engine Protection & Semi-Auto Controller

Key Features

- **Exact Import substitute with exact terminal connections**
- Automatically transfer between Generator and Mains
- Hours Counter
- Multiple parameters display on Graphical LCD
- Enertrak configuration GUI PC software for settings
- IP 65 rating with optional gasket
- Compatible with wide range of CAN engines
- Real Time Clock for accurate event logging
- Generator/Load Power Monitoring(kW, kVA, KVAR, Pf)
- Generator/Load Current Monitoring and Protection
- Generator Over Load Protection
- 4 Digital Inputs
- 4 Digital Outputs
- Engine Run Time Scheduler
- Battery Voltage Monitoring
- Starts on low battery voltage
- Configurable Remote Start Input
- Shutdown warning and protection during fault condition
- Alarm indications on LCD
- 50no's of event logging
- Fuel & Start Outputs



Technical Specifications

DC SUPPLY

- **CONTINUOUS VOLTAGE RATING**
8 V to 36 V Continuous
- **MAXIMUM OPERATING CURRENT**
85 mA at 12 V
96 mA at 24 V
- **MAXIMUM SLEEP CURRENT**
35 mA at 12 V
32 mA at 24 V

GENERATOR (UTILITY)

- **VOLTAGE RANGE**
70 V to 300 Vac (L - N)
121 V to 550 Vac (L - L)
- **FREQUENCY RANGE**
40 Hz to 70 Hz

MAINS (UTILITY)

- **VOLTAGE RANGE**
70 V to 300 Vac (L - N)
121V to 550 Vac (L - L)
- **FREQUENCY RANGE**
40 Hz to 70 Hz

INPUTS

- **DIGITAL INPUTS**
Negative Sensing
- **ANALOGUE INPUTS**
Resistive sensor
Can also be configured as Digital Input

OUTPUTS

- **OUTPUT - FUEL**
2A Continuous at Supply Voltage
- **OUTPUT - START**
2A Continuous at Supply Voltage

DIMENSIONS

- **OVERALL**
140 mm x 113mm x 43 mm
- **PANEL CUT-OUT**
118 mm x 92 mm
- **MAXIMUM PANEL THICKNESS**
8 mm

STORAGE TEMPERATURE RANGE

-10°C to +85 °C

RELATED MATERIAL

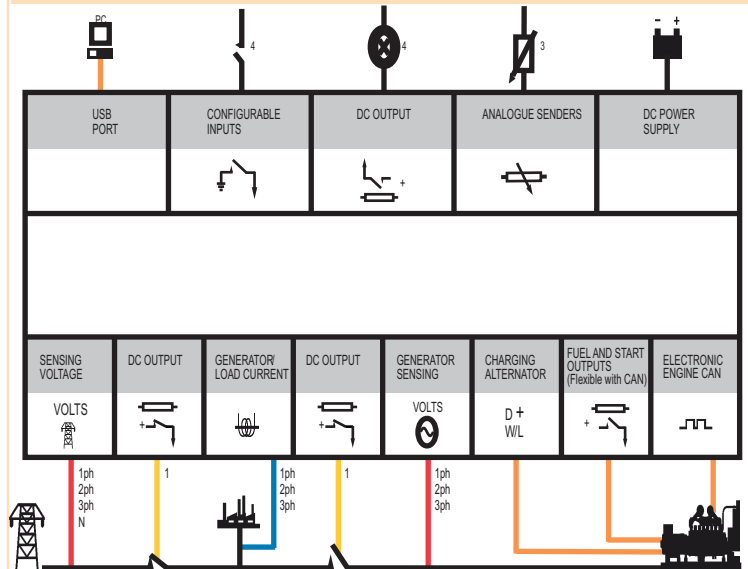
- Specification Sheet - ET03-9920-001
- User Manual & Installation Guide - ET03-9920-002
- PC Software GUI - ET03-9920-003
- GSM Modem Specs Sheet - ET00-485GM-001
- www.digilive.com

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Communications

- CAN PORT communicates as per J1939 for seamless integration between Engine Monitoring Unit & AMF Controller. As the Engine Monitoring Unit is mounted on the engine, the parameters like Cylinder temperature, Oil pressure etc can be monitored with increased reliability.
- RS-485 port communicates as per MODBUS Protocol & can be easily configured to an Enertrak GSM/GPRS modem for seamless & live data transmission to a host website application.
- The live data can be seen at our website www.digilive.com with User ID & Password details.
- USB port communicates as per USB Protocol for interface of AMF Controller with any PC for configuring the settings in the controller by pushing a configurable file. USB port can also be used for SCADA through Enertrak GUI PC Software.
- Ready for Smart IOT (Internet Of Things) with Enertrak GPRS Modem.

Connections



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