ETI Genset
AMF
DG - BTS Unit
Engine Safety Unit

GENSET Controller
DGMC-500

Basic Manual Genset Controller

आत्मनिर्भर भारत अभियान

Description

- Basic Manually operated Genset Controller is an advanced Microprocessor Controlled DG Protection Unit and has been specifically designed to meet the harsh requirement of Indian conditions.

- This universal Basic Genset Controller can be used with almost all types of DG and has over 30 types of programmable option for use in various conditions.

- The unit is designed with latest SMT technology & is very compact, thereby providing the user with ultimate size to feature ratio.

- 2 Line Alphanumeric LCD display has been provided & user can very easily see various parameters, warnings, electrical trips & shut down alarms.

- Ease of navigation of parameters through front panel keys and use of plug in type of connectors for easy installation & maintenance.

- The variants available are

  - **EMAB-600** - BTS Tower Management Controller
  - **EAMF-9920** - Import Substitute AMF Controller
  - **EAMF-9924** - Advance AMF Controller
  - **EEPL-666** - Engine Protection & Semi-Auto Controller

Key Features

- *Low Cost Manual Genset Controller*
- 2 Row, 16 Character LCD Display
- 3 nos analog input - resistive type
- 6 nos digital inputs
- Manual and automatic fuel pump control
- Bar Display on LCD
- Engine idle control for Start & Stop
- Fuel usage monitoring and low fuel level alarms
- Protection against over cranking
- Logging of fault history & visible in display
- Uses EIPL Configuration Suite PC Software for simplified configuration
- Display and measurement of Oil Pressure, Water Temperature, Fuel Level in %, Sensor Failure and Battery Status
- Logging of fuel consumption & visible in display
- Engine Run Hours Counter
- Battery Voltage Monitoring
- Comprehensive warning, electrical trip or shutdown protection upon fault condition
- RS-485 Communication
- USB Port Communication
- Push button for Start, Stop, Reset & Programming
- BAR Display on LCD

WRG CERTIFICATIONS
INTERNATIONALLY RECOGNIZED
ISO 9001, ISO 14001 CERTIFIED COMPANY

AIAO-BAR ACCREDITED

CE

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

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
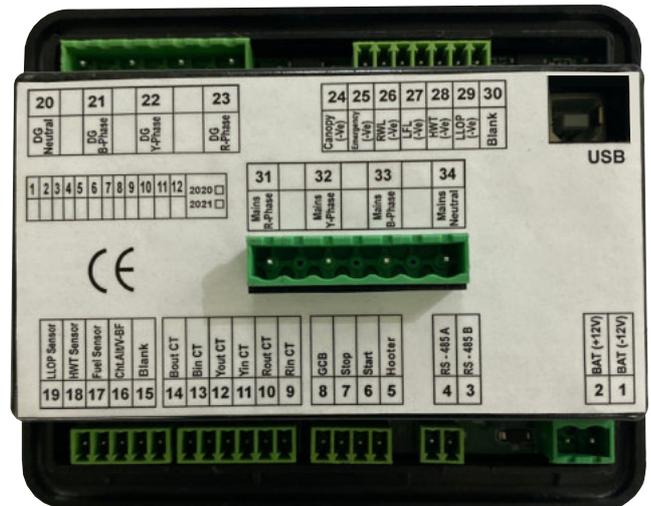 -10°C to +85 °C

RELATED MATERIAL
- **Specification Sheet - ET06-0500-001**
- **User Manual & Installation Guide - ET06-0500-002**
- **PC Software GUI - ET06-0500-003**
- **GSM Modem Specs Sheet - ET00-485GM-001**
- **www.digilive.co.in**

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Communications

- 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.co.in** with User ID & Password details.
- USB port communicates as per USB Protocol for interface of Genset Controller with any PC for configuring the settings in the controller by pushing configurable file. USB port can also be used for SCADA a through Enertrak GUI PC Software.
- Ready for Smart IOT (Internet Of Things) with Enertrak GPRS Modem.
- The Real Time Data Streaming on DGLive portal is extremely useful for managing multiple sites without human intervention and also results in control of fuel theft and wastage.
- Analytical Summary in excel sheet can be stored for future reference and documentation.
- Remote Start/Stop thru website can also be done.

Connections

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