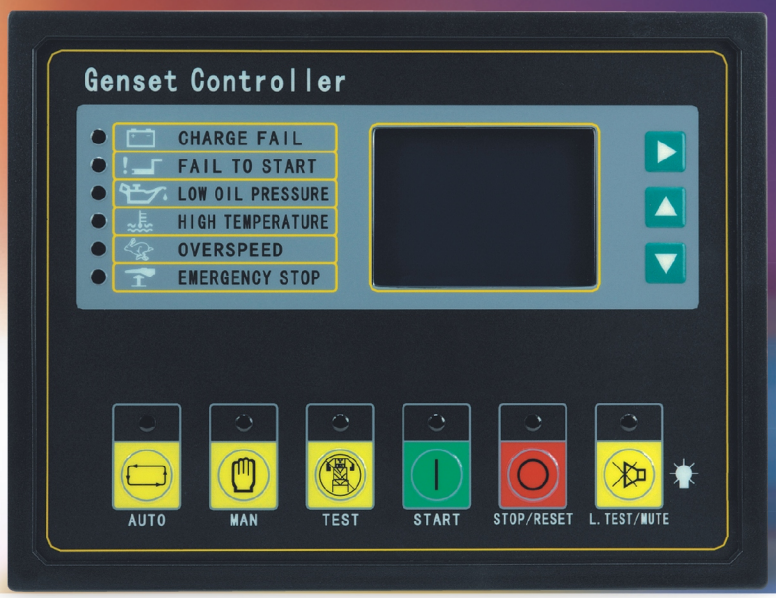
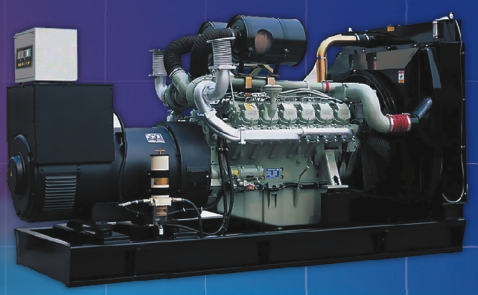
Harsen®





GU320B

GENSET CONTROLLER INTRODUCTION

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Introduction

GU320B is an intelligent generating set (Genset) controller with using high efficiency CMOS chip. The control procedure, protection parameters and display parameters can be modified, such as Measuring, Control, Protection, Telecommunication, Remote control capability and so on. It can be fully satisfied the need of automatically control requirement of different genset from the users and manufactures.

Features:

- The controller measures and displays all genset output parameters, such as RPM, Oil pressure, Water temperature , DC source voltage, Running hours of the engine. True RMS display of Voltage, Current, Power an so on to ensure the accuracy of the datas.
- Big LCD with back-lit display, Chinese and English selectable.
- Good for wide range and different brands sensors being used, with ability to configure by user.
- Spare Aux. Control Relays-output and input.
- The push buttons on the control panel face are use for select the Control mode, Start operating sequence, Display parameters and Modify protection parameters.
  LED display entire operating mode and fault indication.
  LCD display entire parameters and status.
- RS485 or RS232 connection is available to achieve the Remote communication, Monitoring , Control and so on.
- The controller is integrated with anti-fire, high strength, die-casting face and powder coating steel case. All Connected terminals are pin-link type with screw locked. This connector is good for connecting, dismantling, maintenance and replacing.

Technical Parameter

Panel Keys	Gen. Reactive Energy: (KVArh) ΣE
AUTO (Automatically operating mode)	Gen. Running Speed: RPM
MAN (Manual operating mode)	Gen. Oil Pressure: Kpa
TEST (Test operating mode)	Gen. Water Temperature: ℃
START (Start-up Key)	Fuel level: %
STOP/RESET (Stop/Fault Reset)	Battery Voltage: VDC
L. TEST/MUTE (Lamp Test/Mute)	Gen. Run Hours: HOUR
▶ (Parameter Setting)	**Panel LED Indicator**
▼ (Scroll Down/Value Decrease)	Charge Fail
▲ (Scroll Up/Value Increase)	Fail to Start
Measuring and Display Parameters	Low Oil Pressure
Gen.3-Phase Voltage: L1-N, L2-N, L3-N	High Water Temperature
Gen.3-Line Voltage: L1- L2, L2- L3, L3- L1	Over-speed
Gen.3-Phase Current: L1 L2 L3	E. Stop
Gen. Frequency: Hz（L1）	Auto-operating Mode Indicator
Gen.3-Phase Apparent Power: (KVA) AL1 AL2 AL3	Manual-operating Mode Indicator
Gen.3-Phase Active Power: (KW) P L1 P L2 P L3 ΣP	Test Operating Mode Indicator
Gen.3-Phase Reactive Power:(Kvar) QL1 QL2 QL3 ΣQ	Gen. Start-up Indicator
Gen.3-Phase Power Factor: PF L1 PF L2 PF L3	Stop/ Fail to Stop Indicator
Gen. Active Energy :(Kwh) ΣE	Mute Indicator

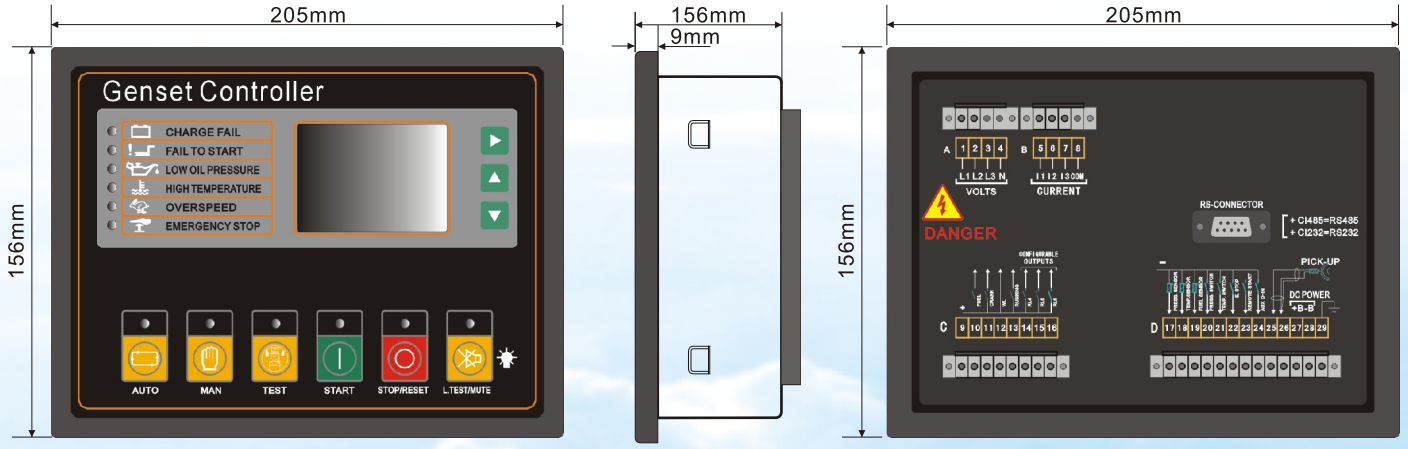
Output of Control Relay	Input of Switch
Fuel Solenoid Output	Gen. Remote Start Signal
Start-up Output	E-Stop Signal
DC Charger Excited Output	High Water Temperature Signal (Alarm/Stop)
Gen. Normal Running	Low Oil Pressure (Alarm/Stop)
Programmable Aux. Control Relay Output (3 ways in total)	Speed Sensor
	Aux. Switch Input Signal

Specification

DC Source
Voltage Range： 12V/24V (8~35VDC Serial)
Max. Consume Current：@12V 0.4A , @24V 0.2A
AC Input Voltage：Phase Voltage 10~300VAC RMS（AC Frequency≥40 Hz）
AC Input Frequency：3~70HZ（Voltage≥10V）
Pickup Frequency：Max:10000Hz
Pickup Voltage：1~70VAC
Fuel/Start Relay Output: 10A/30VDC
Aux. Relay Output: 3A/30VDC
Operating Temperature: -20℃~50℃
Storage Temperature: -40℃~80℃

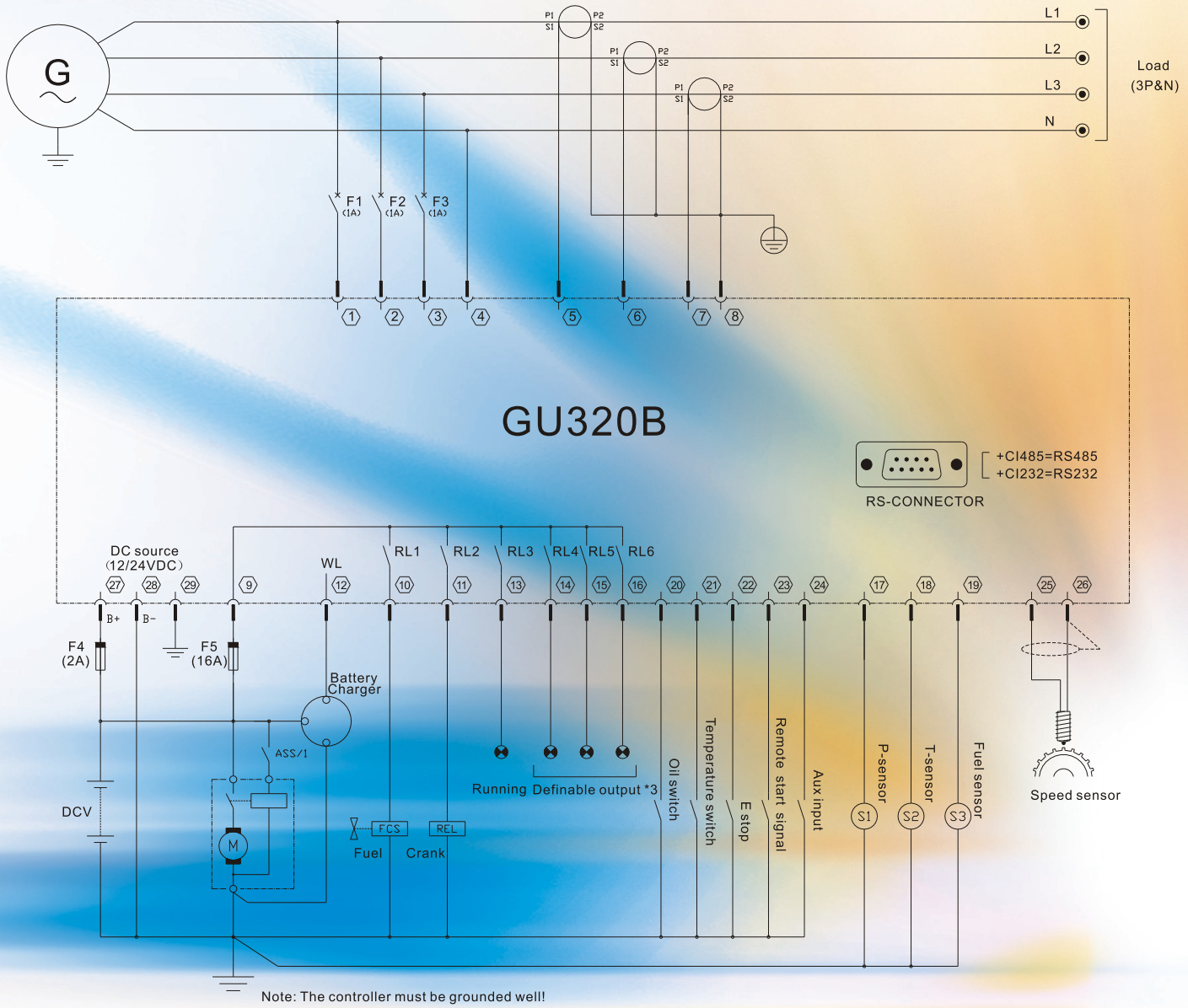
Dimension

Control Panel	W205mm×H156mm
Hatch for Installation	W186mm ×H137mm
Deepness	D58.5mm (unconnected)



Front Elevation　　Side Elevation　　Back Elevation

Typical Connecting Diagram



Note: The controller must be grounded well!

HARSEN SPECIALIZING IN POWER SOURCE CONTROL
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