



New generation intelligent Genset controller.

When you use it you will **experience** the difference!!!

GU641B Genset Controller

Description:

GU641B is an Automatic Mains (Utility) Failure module which is designed to monitor the mains (utility) and on failure automatically starts the generator and transfers the load. On return of the mains (utility) the controller automatically returns the load to the mains and stops the Generator after a cool down period.

The module also monitors and protects the engine, indicating operational status, fault conditions and metering on the front panel LCD and LED's.

- True RMS measuring
- Configuration of parameters by front panel push buttons or communication software
- RS485, RS232, or USB port for remote communication.
- Configurable fuel output energise to stop or energise to run.
- 6 Configurable inputs.
- 4 Configurable outputs, 2 used for ATS control.
- 2 Analogue inputs configurable for different senders for Oil pressure and Engine temperature.
- Push Buttons for manual control of GCR/MCR
- Magnetic pick-up input

Technical Parameter:

Engine and Alternator Metering:

- Mains phase voltage **L1-N L2-N L3-N**
- Mains line voltage **L1-L2 L2-L3 L3-L1**
- Mains frequency **Hz**
- Generator phase voltage **L1-N L2-N L3-N**
- Generator line voltage **L1-L2 L2-L3 L3-L1**
- Generator current **I1 I2 I3**
- Generator frequency **Hz**
- Engine speed **RPM**
- Generator phase apparent power **kVA A1 A2 A3 ΣA**
- Generator phase active power **kW P1 P2 P3 ΣP**
- Generator phase reactive power **kVAr Q1 Q2 Q3 ΣQ**
- Generator phase power factor **PF PF1 PF2 PF3**
- Battery voltage **Vdc**
- Engine running hours counter **h**
- Engine temperature **°C (°F)**
- Oil pressure **BAR (PSI)**

Warning and Shutdown Alarms:

- Low oil pressure
- High engine temperature
- Over speed
- Under speed
- High/ low gen voltage
- High/ low Mains voltage
- Start failure
- Stop failure
- Emergency stop
- Charge failure
- High/low battery voltage
- Aux. shutdown alarm
- Aux. Warning
- Over current

Specification:

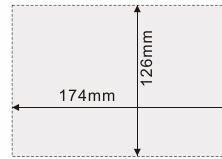
- DC supply: 8.0V to 35V continuous
- Cranking drop outs: 0V for 100mS, assuming DC supply was at least 10V before dropout and recovers to 5V
- AC input voltage: phase voltage 15-300 Vac RMS (AC frequency ≥ 40 Hz)
- AC input frequency: 3-70Hz (voltage ≥ 15 V)
- Max operating current: @12V 0.4A, @24V 0.2A
- Max frequency input of the speed sender: 10000Hz
- Voltage input of the speed sender: 1-70 Vdc
- Accuracy $\pm 0.5\%$
- Start relay output: 16A/30Vdc
- Fuel relay output: 16A/30Vdc
- Aux. control relay output: 3 A/30Vdc
- Protection: Controller fascia IP65 when correctly installed
- Operating temperature: -20 to 70°C
- Storage temperature: -30 to 80°C



The control specialist of dynamical power

Outline Dimension Drawing:

Module Dimension	W 192mm x H 144mm
Panel Cutout	W 174mm x H 126mm
Depth	D56mm (without connection)



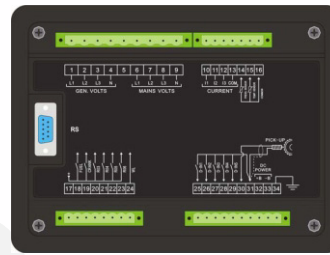
Panel Cutout



Front View

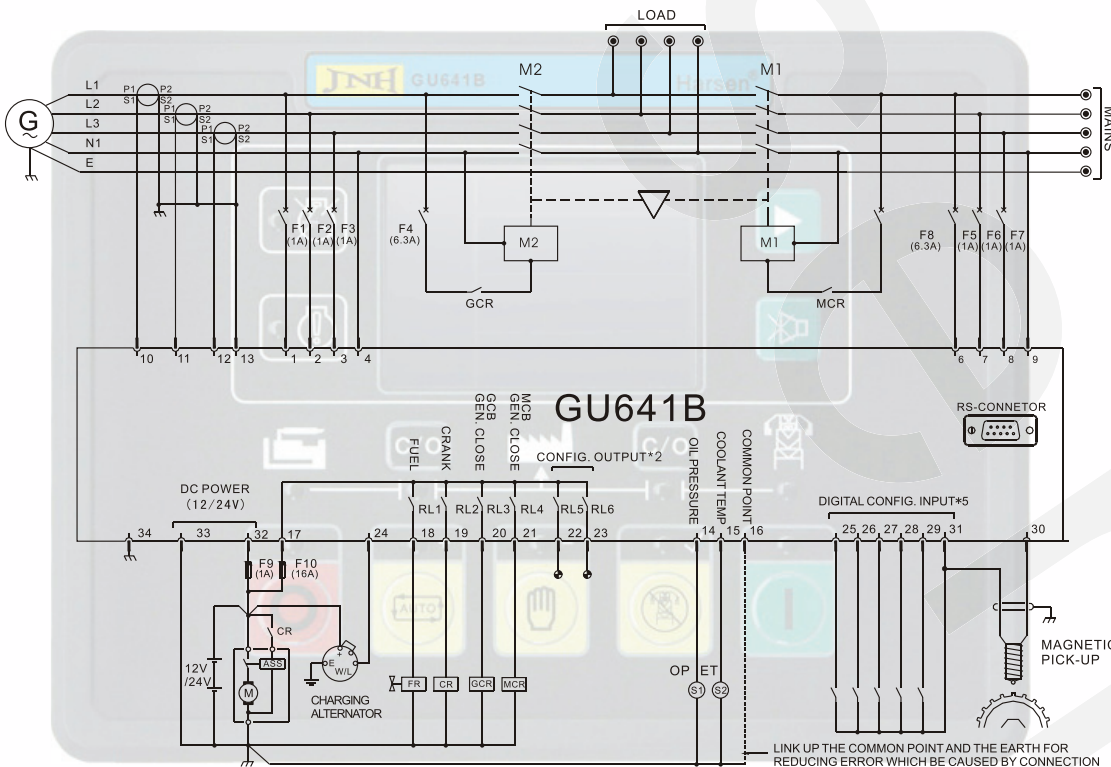


Side View



Back View

Typical Wiring Diagram:



JNH Harsen International



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[Http://www.harseninternational.com](http://www.harseninternational.com)

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