



New generation intelligent Genset controller.

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

GU611A Genset Controller

Description:

GU611A 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.

- Configuration of parameters by front panel push buttons or by PC via mini USB interface with license free software.
- Configurable fuel output energise to stop or energise to run.
- 3 Configurable inputs.
- 2 Configurable outputs + 2 fixed outputs for ATS control.
- 2 Analogue inputs configurable for different senders for Oil pressure and Engine temperature.
- True RMS measuring
- Mains phase voltage display
- Mains Line voltage display
- Generator current display (three phases)
- Generator phase voltage display (single phase)

Technical Parameter:

Engine and Alternator Metering:

- Mains phase voltage **L1-N L2-N L3-N**
- Mains line voltage **L1-L2 L2-L3 L3-L1**
- Gen phase voltage **L1-N**
- Generator current **I1 I2 I3**
- Generator frequency **Hz**
- Engine speed **RPM (signal derived from Hz)**
- 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
- Start failure
- Stop failure
- Emergency stop
- High/low Gen voltage
- High/Low Mains voltage
- Charge failure
- High/low battery voltage
- Low fuel level
- Aux. shutdown alarm
- Over current
- Aux. Warning

All parameters are displayed on a backlit LCD and scroll one by one in aut cycle mode.

Specification:

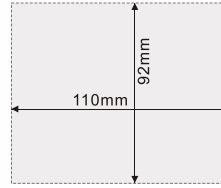
- DC supply: 8.0V to 35V continuous
- Cranking drop outs: 0V for 100mS, assuming dc supply was at least 10V before dropout and recovers to 5V
- AC input voltage: phase voltage 15-300 Vac RMS (AC frequency =40 Hz)
- AC input frequency: 3-70Hz (voltage \geq 15V)
- Max operating current: @12V 180mA, @24V 90mA
- Accuracy \pm 0.5%
- Start relay output: 3A/30Vdc
- Fuel relay output: 3A/30Vdc
- Aux. control relay output: 3A/30Vdc
- Protection: Controller fascia IP65 when correctly installed
- Operating temperature: -20 to 70°C
- Storage temperature: -30 to 80°C



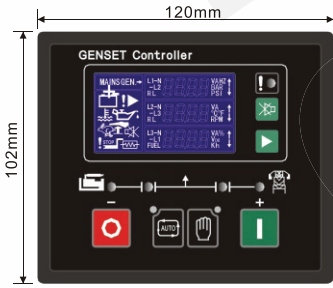
The control specialist of dynamical power

Outline Dimension Drawing:

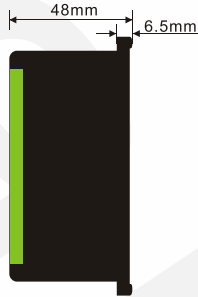
Module Dimension	W 120mm x H 102mm
Panel Cutout	W 110mm x H 92mm
Depth	D48mm (without connection)



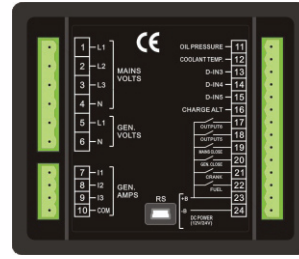
Panel Cutout



Front View

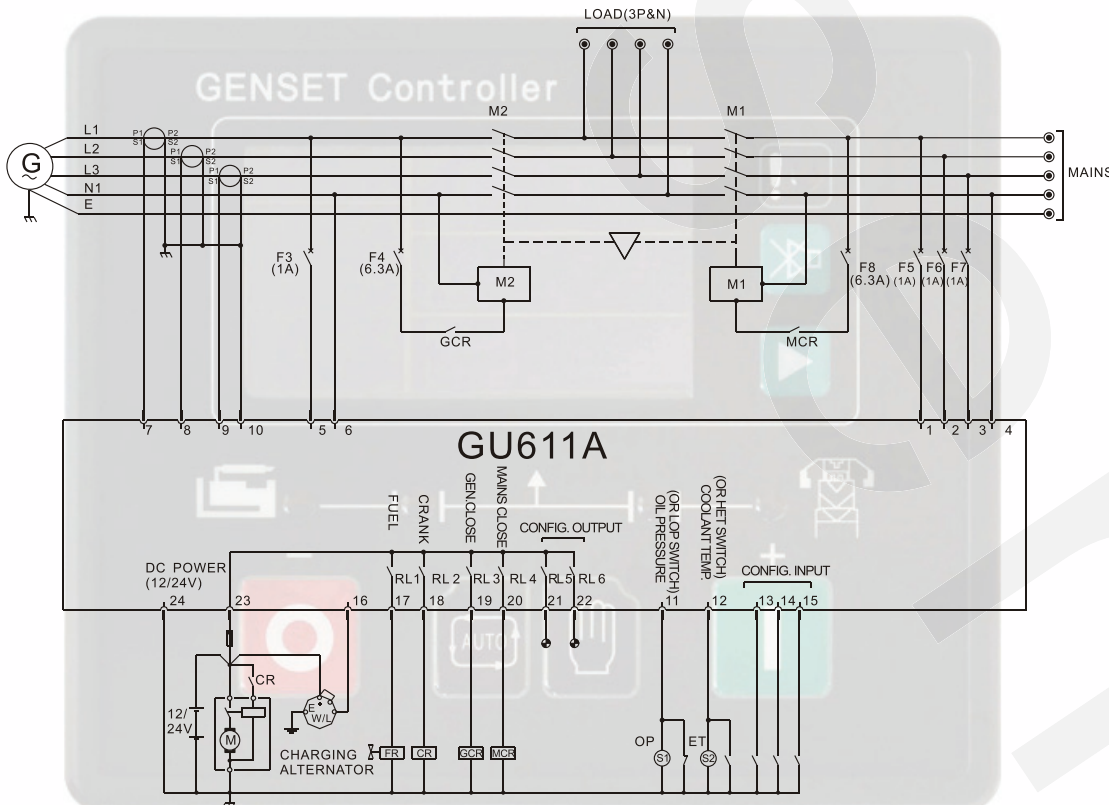


Side View



Back View

Typical Wiring Diagram:



JNH Harsen International



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

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