



**New generation** intelligent Genset controller.

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

## GU601A Genset Controller

### Description:

The GU601A is an Automatic Start Control Module designed to automatically start and stop the Generator.

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.
- 3 Configurable outputs.
- 2 Analogue inputs configurable for different senders for Oil pressure and Engine temperature.
- True RMS measuring

### Technical Parameter:

#### Engine and Alternator Metering:

- Gen phase voltage **L1-N**
- 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)**

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

#### Warning and Shutdown Alarms:

- Low oil pressure
- High engine temperature
- Overs peed
- Under speed
- Start failure
- Stop failure
- Emergency stop
- High/low Gen voltage
- Charge failure
- High/low battery voltage
- Aux. shutdown alarm
- Aux. Warning

### Specification:

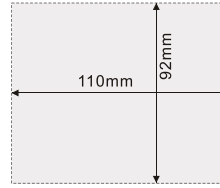
- DC supply: 8.0V to 35V continuous
- Cranking drop outs: 0V for 100mS, assuming dc supply was at least 10V before dropout and recovers to 5V
- AC input voltage: phase voltage 15-300 Vac RMS (AC frequency  $\geq 40$  Hz)
- AC input frequency: 3-70Hz (voltage  $\geq 15$ V)
- Max operating current: @12V 150mA, @24V 75mA
- 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



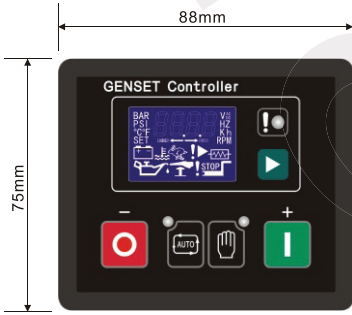
# The control specialist of dynamical power

## Outline Dimension Drawing:

Module Dimension	W 88 mm × H 75 mm
Panel Cutout	W 78 mm × H 65 mm
Depth	D48mm (without connection)



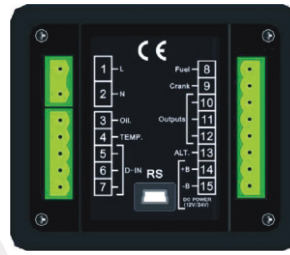
Panel Cutout



Front View

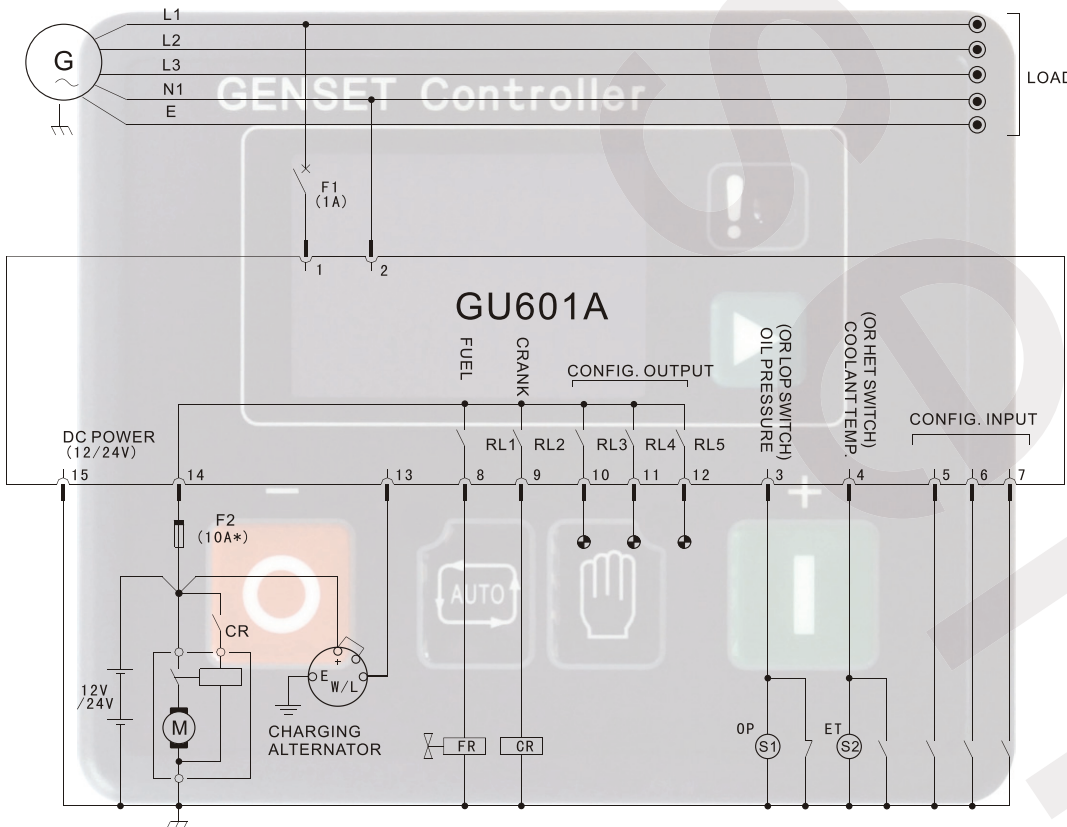


Side View



Back View

## Typical Wiring Diagram:



## JNH Harsen International



Harsen International Ltd maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice. The contents are intended for guidance only.  
[Http://www.harseninternational.com](http://www.harseninternational.com)

HSJ1009090723GU601A

WWW.HARSENINTERNATIONAL.COM

Harsen  
Product

Professional

Innovation

Quality

Service

Harsen®