

GS4 IGNITION MODULE

ENGINE CONTROLS



PUTTING YOU IN CONTROL

- *ADVANCED INDUCTIVE IGNITION*
- *MAINTENANCE FREE*
- *ROBUST CONSTRUCTION*
- *FULLY PROGRAMMABLE*
- *ADVANCED DIAGNOSTICS*
- *UP TO 4 CYLINDERS*
- *CHP ENGINES*
- *GENERATOR SET ENGINES*
- *COMPRESSOR ENGINES*
- *COMMERCIAL VEHICLE ENGINES*
- *FORKLIFT TRUCK ENGINES*
- *PASSENGER VEHICLE ENGINES*

GS4 DIGITAL PROGRAMMABLE IGNITER

GS4 is a robust, solid-state electronic module that provides highly accurate and extremely powerful inductive ignition, which when tailored with the Gill range of ignition coils, produces spark durations well in excess of any CDI ignition system.

This power and accuracy enable the GS4 to control normally aspirated or turbo-charged engines, running on natural gas, biogas, LPG and CNG in either lean burn or stoichiometric air/fuel ratios.

Features Include:

- Fully programmable via easy to use Windows® based GUI software
- Programmable for number of cylinders, up to 4
- Flexible User Security Feature
- Ignition point - fully programmable for load, speed and temperature
- User selectable dwell with automatic supply voltage compensation for total control of spark energy and duration
- Factory configurable for OEM engine timing disc patterns and sensors
- On-board visible status indicator
- Advanced diagnostics accessible via GUI

User-programmable via the Windows® GUI, these igniters provide extensive flexibility. With fully-programmable speed mapping and load mapping curves, you can expect to see improved engine efficiency, lower exhaust emissions, reduced engine maintenance and decreased engine operating costs.

The programmed settings in a Gill ignition system are protected by a user security feature which ensures that only permitted personnel can amend them. This provides the user with the ability to configure engines for a specific requirement, with the peace of mind that once the engine has left his possession, changes to these settings can not be made.

With the ability to be factory configured to accept timing information from OEM timing disks and sensors, GS4 reduces engine set-up and development times considerably, helping to ensure that costs are kept to a minimum

NUMBER OF CYLINDERS

Up to 4 cylinders

IGNITION POINT

Fully programmable for engine speed, load, temperature and fuel type.

TIMING MAPS

Ten, programmable to 6,000 RPM

IGNITION / FUEL CUT OFF REV LIMITS

Programmable to 6,000 RPM

SPARK ENERGY / DURATION

Full user control via fully programmable dwell time with automatic supply voltage compensation

INPUTS

TPS or MAP sensors for load and temperature mapping

OUTPUTS

Optional: Fuel valve drive via relay, Tacho / Speed

On board visible status indicator

COMMUNICATIONS

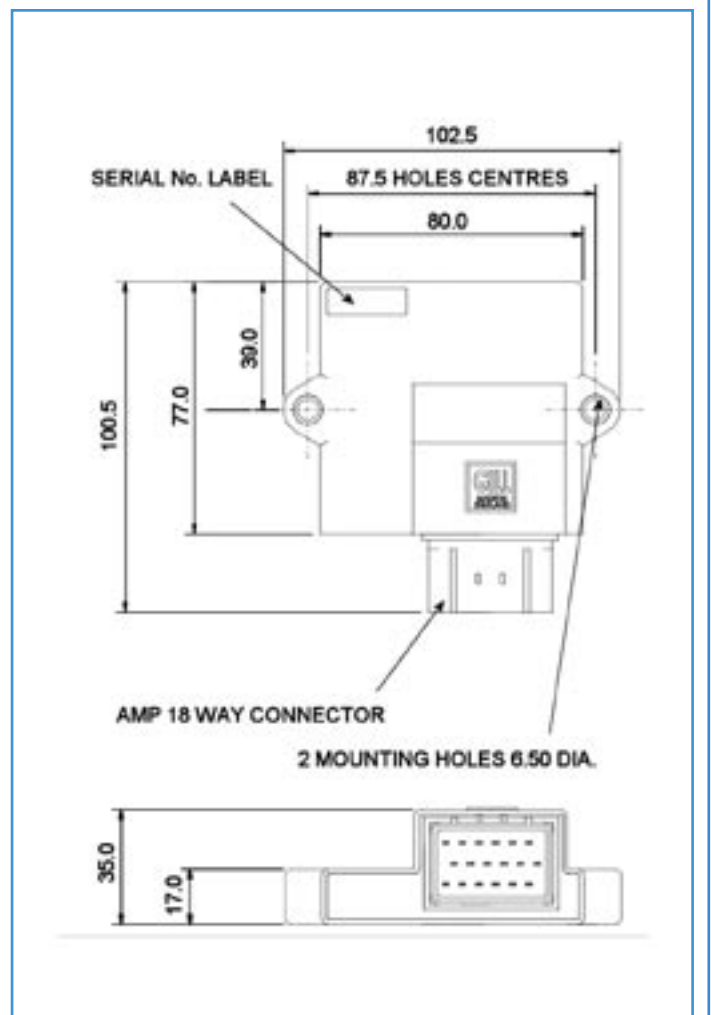
RS232

POWER SUPPLY

12V or 24V DC - automatically sensed

ENVIRONMENTAL

-40°C to +90°C, Sealed to IP67



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The Engine Control range is in continuous development and so the specification may be subject to change without prior notice



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