

Accurate, stable air/fuel ratio control

- Outputs to stepper or current controlled bypass valves
- Fast start-up from heated UEGO sensor
- Programmable valve start position and offset
- Programmable load map
- Free, easy to use Windows® based GUI
- Drives pneumatic controls valves with 4-20mA output
- Proportional, integrated control loop controls Lamda value to set point



SUMMARY

The AF120 Air/Fuel Ratio Controller provides cost-effective emissions control for gas fueled engines used in static applications. The module is designed to accurately control the air/fuel ratio of stoichiometric engines fitted with a three way catalytic converter, and lean burn engines with or without a Catalytic Converter.

The AF120 Air/Fuel Ratio Controller can be used within a variety of control systems. In the carburettor bypass configuration the Gill AF120 fuel valve can be utilised. Alternatively the module can be used to control fuel pressure regulator systems and systems requiring turbo waste gate control.

AF120 SPECIFICATION

Inputs	Throttle position or MAP sensor for load mapping wideband UEGO sensor for exhaust oxygen measurements. Additional sensor inputs for more rigorous applications.
Outputs	AF120 fuel valve, or 4 - 20 mA controlled valve
Communications	RS232 for programming via Windows® based GUI
Certification	CSA® Certified Class 1, Div. 2, Groups C and D when installed in the EH12 shielded enclosure
Environmental	-40°C to + 90°C, Sealed to IP67
Supply voltage	12 - 24V DC

> More information at gillsc.com

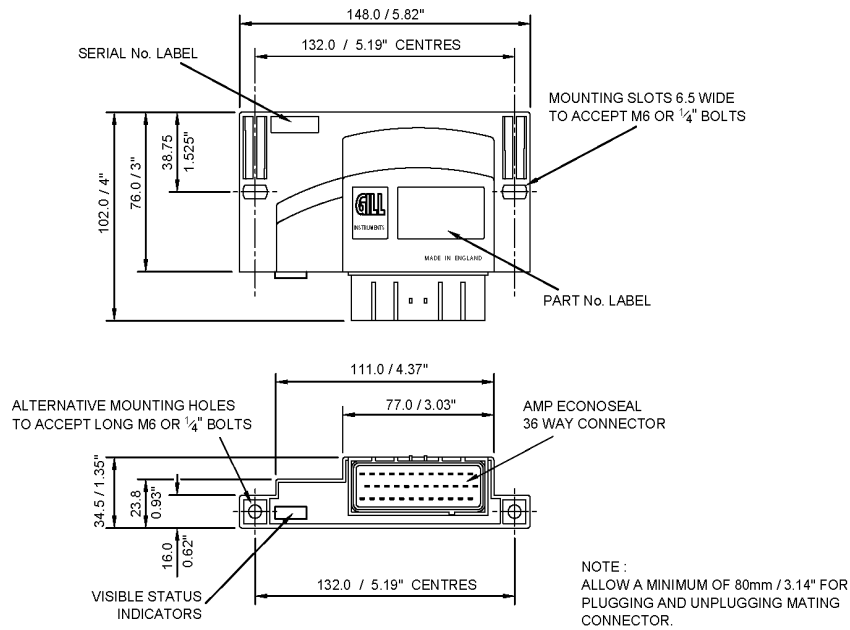
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GILL

Sensors & Controls

DIMENSIONS



TYPICAL SYSTEM INSTALLATION

