



# FIMS500

## AFR200 Series Air Fuel Ratio Controller

The Air-Fuel Ratio (AFR) 200 Series controller is part of GAC's comprehensive Fuel and Ignition Management System (FIMS) for gaseous-fueled, spark-ignited engines. The AFR200 performs closed-loop air-fuel ratio control using an exhaust oxygen sensor for feedback, in addition to providing a built-in engine speed governor with GAC's proprietary EDGe algorithm. Easy to configure, simple to install, and built for the extreme environments of industrial engines; GAC's AFR200 series delivers. When coupled with the Ignition Control Module (ICM) 200 series controller, the combination forms the FIMS500 platform.

### AFR200 (Air-Fuel Ratio) Module Series:

Basic, simple solution for closed-loop, air-fuel ratio control with an integrated venturi mixer / control valve for low pressure gaseous-fueled engines. Can utilize natural gas.

Built-in engine speed governor for GAC ATBs with many features including 3 fixed speeds, 1 variable speed, and an auxiliary speed trim input.

Can support MAP, mag speed pickup, coolant temperature, oil pressure, exhaust gas temperature and two stoichiometric O2 sensors.

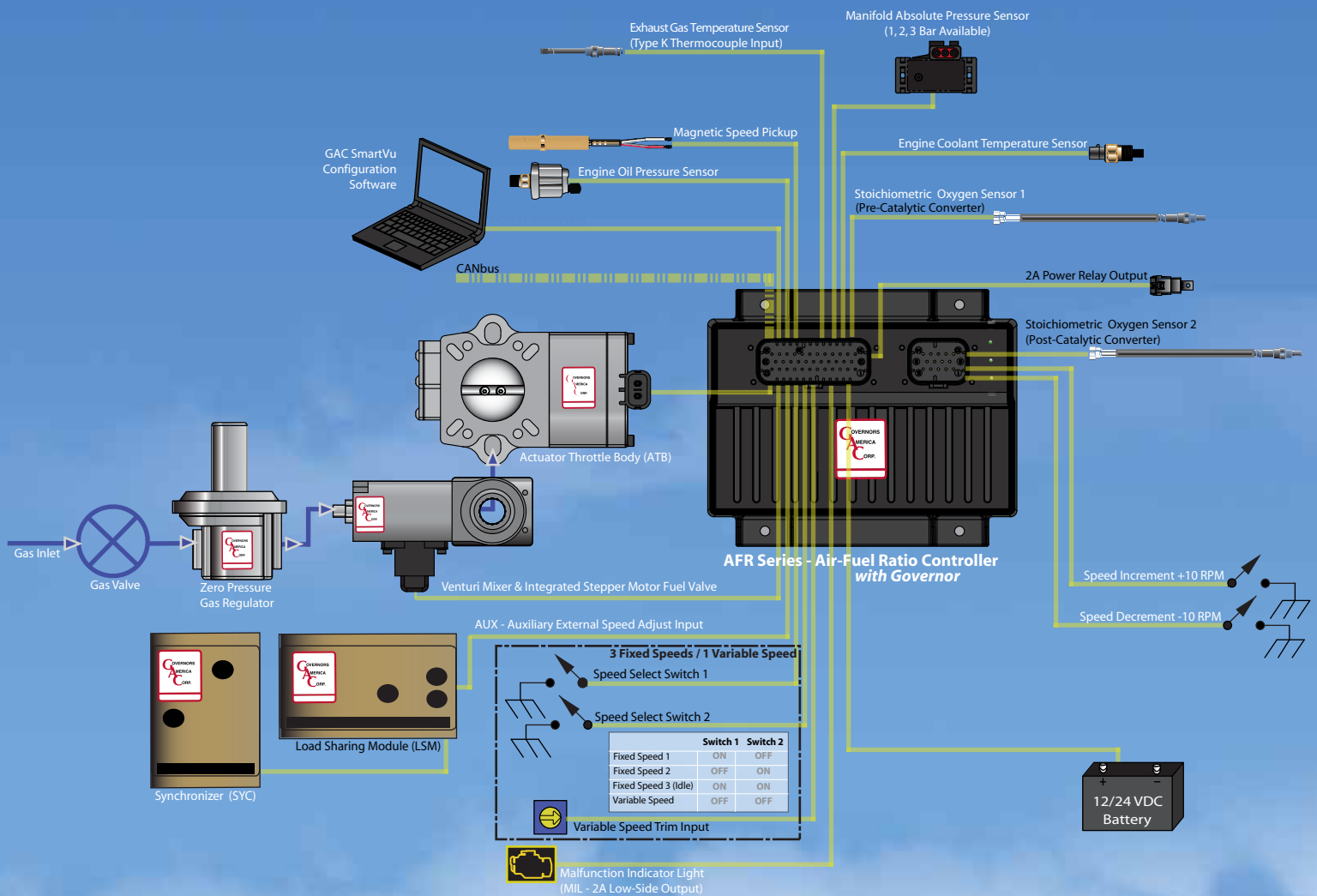
Cost-effective, reliable solution with simple configuration using GAC's SmartVU software, while featuring advanced diagnostic capability, engine protection, and a MIL output.



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# AFR200 SERIES SYSTEM WIRING



SELECTION TABLE

Model	Unique Features
AFR200	1 Oxygen Sensor Input
AFR201	2 Oxygen Sensor Inputs
AFR210	1 Oxygen Sensor Input 1 Exhaust Gas Temperature Input (Type K Thermocouple)
AFR211	2 Oxygen Sensor Inputs 1 Exhaust Gas Temperature Input (Type K Thermocouple)