

## Features

- Designed to operate on Fuel Injected Gasoline Engines with Forced Induction (Turbo or Supercharger)
- Smart programmable controller via personal touch screen mounted in drivers area allows for real time monitoring and reconfiguration
- Reads Boost and Injector Duty Cycle for true 2D control
- Integrated MAP sensor reads 0-30psi
- Designed to interface with the IFS-10 for real time injection flow display and Fail Safe Status
- Additional 12v 3amp output to drive Nos or Solenoid
- Fluid Level Switch input and monitoring
- 1 Year Warranty

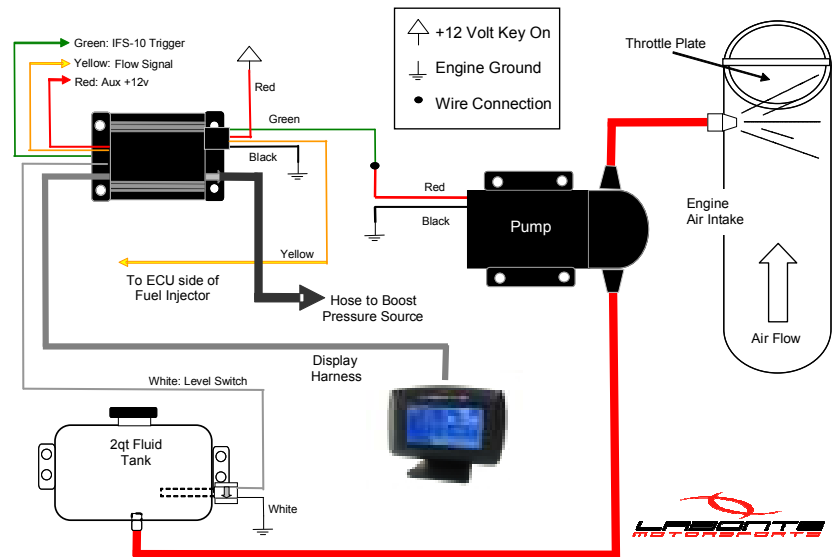


## Description:

The VCS3G from Labonte MotorSports is not just an injection controller. It is a fueling computer for alcohol injection systems. The advanced control algorithm was developed through rigorous engineering and dyno testing to deliver precise control of injection.

## Operation:

The user inputs nozzle size, estimated vehicle flywheel hp and an initial Gain setting based on the vehicles max IDC. Once these values are entered the system is ready to go. On the fly Gain adjustments can be made to fine tune the effects of alcohol injection on Air / Fuel ratios. The Peak and Hold display function will show max boost, IDC and injection % (or ml/min when used with the IFS-10). Extensive diagnostics are performed by the system and any error codes are displayed. Test System mode will enable the pump at 49% injection while the TS icon is held.



## OPERATING CHARACTERISTICS

| Characteristic            | Min  | Typ. | Max | Units |
|---------------------------|------|------|-----|-------|
| Operating Temp Controller | 0    | ---- | 105 | deg C |
| Operating Temp Display    | 0    | ---- | 70  | Deg C |
| Supply Voltage            | 9    | 13.8 | 16  | Vdc   |
| Pump Drive Current        | ---- | 4    | 20  | Amps  |
| Aux +12V output           | ---- | 1.5  | 3   | Amps  |
| Internal MAP Sensor       | .2   | ---- | 30  | psi   |

## Typical System Install