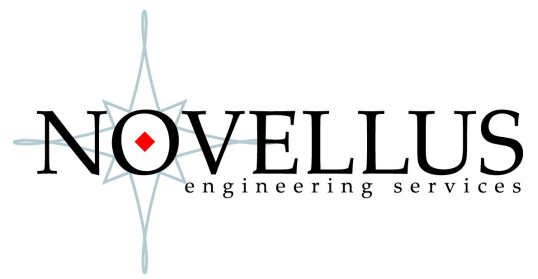
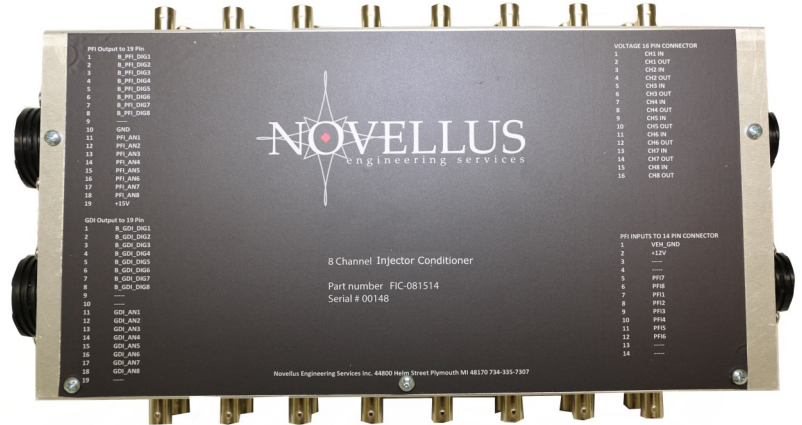


Injector Conditioner



Description:

The Injector Conditioner has 8 channels and is a fully isolated signal conditioner designed to convert both Port Fuel Injection (PFI) and Gasoline Direct Injection (GDI) injector signals to 0V-5V pulses. In addition, it provides an analog representation of the signal in real time. The Injector Conditioner also provides an LED output for a simple indication of injector activity.



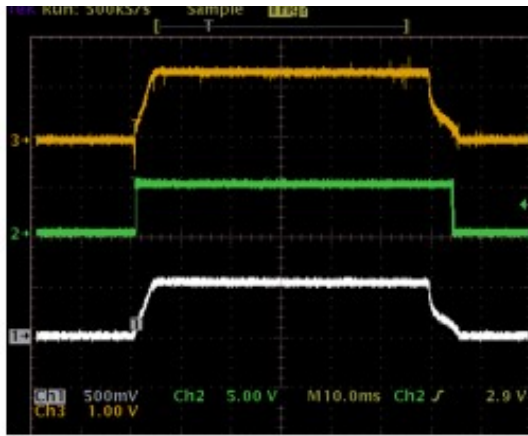
Basic Operation:

GDI: High current GDI injector signals are wired in series through the 16 pin male GDI connector on the Injector Conditioner. Current signature through the injector is monitored, converted into a voltage, and then is fed to the GDI output analog sockets. The signal is also conditioned before going to the GDI digital sockets as a 0V-5V signal. The digital output for each channel is displayed on an LED.

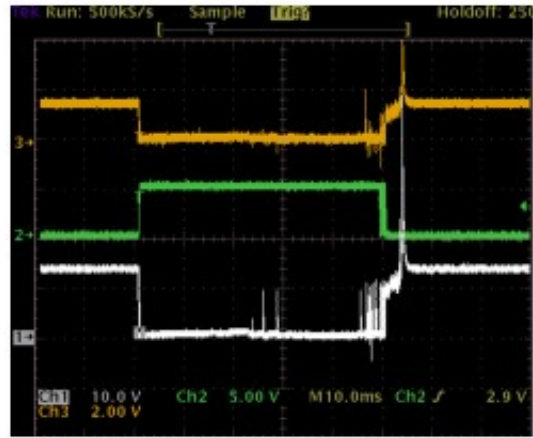
PFI: The low side drive PFI injector voltage signals are monitored at the 14 pin female PFI connector on the Injector Conditioner. PFI voltage is conditioned via an isolated operational amplifier and fed to the PFI analog pins. The PFI voltage signal is also conditioned and fed to the PFI digital output pins. The digital output for each channel is displayed on an LED.

Compatible with both gasoline and diesel engines.

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GDI
 Ch#1 Current probe output on GDI injector 100mV/AMP
 Ch#2 Digital output
 Ch#3 Analog output proportional to GDI current



PFI
 Ch#1 Input Injector drive signal (low side drive)
 Ch#2 Digital output corresponds with LED
 Ch#3 Analog output

Electrical Specifications:

Signal	Minimum	Maximum
GDI Minimum Trigger Current (*)	+1.6 A	+19.2 A
Input Supply Voltage +15 V GND (Ref)	+9.0 VDC	+18 VDC
Input Supply Current		400 mA
Input Supply Voltage +12 VEH_GND (Ref)	+7.0 VDC	+18 VDC
Input Supply Current		100 mA
Operating Temperature	-25°C	+85°C

* To Trigger Digital Output & LED

Dimensions LxWxH: (332x176x68)mm

Left View



Right View



Top View



Bottom View

