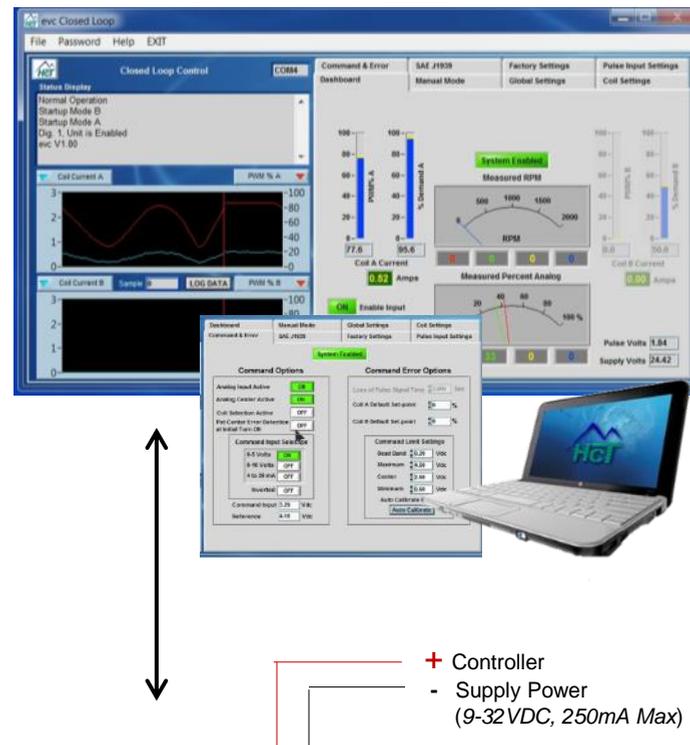


## EVC – CONFIGURABLE CONTROLLER

- HCT encapsulated block, flameproof: designed for harsh environments
- **2x Analog Inputs** (software configurable analog, or pulse, 10-bit resolution)
- **2x Digital Inputs** (all sinking inputs)
- **1x CAN bus 2.0B Input** (SAE J1939 communication)
- **2x PWM Outputs** (sourcing 3.0 Amp outputs, 12-bit resolution with short circuit protection)
- **1x Reference Output** (+5V, 250mA internally protected)
- **-40 to +85°C operational**, -60 to +100°C storage
- **SAE J1455 Compliant** load dump protection
- **9-32VDC power supply**
- **NEMA 6P/IP67, 69K**



## GRAPHICAL USER INTERFACE

- **Configure** the I/O and the control logic for simple and complex application requirements
- **Open-Loop** configurable for typical pump and motor control
- **PID Closed-Loop** configurable for operations including constant pressure or speed control.
- **Anti-stall** with optional auto reversing
- **Data logging and real time graphing** for troubleshooting and PID tuning
- **Modify** system parameters real time for system optimization
- **Save/Load** application data files via USB for repeatable solutions
- **OEM password protected** settings

## CAN Bus COMMUNICATION

- Select **SAE J1939 Engine RPM** as an input for closed-loop functions
- **Transmit TSC1** messages for engine speed and torque control



## PWM OUTPUTS

- **2x PWM Outputs**
- Open / Short detection on all outputs
- 0 to 3A output
- 12-bit resolution

## CONFIGURABLE SYSTEM INPUTS

- **2x analog inputs**
  - Input 1 – (0-5V, 0-10V, 4-20mA)
  - Input 2 – (0-5V, 0-10V, Pulse or Frequency 3 to 30KHz)
- **2x digital inputs**
  - All sinking (configurable system enable)
  - System enable
  - Manual coil select



## Mini-USB COMMUNICATION

- Power up the controller via USB connection and load an application data file from your computer.