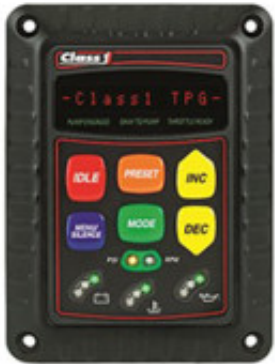




TPG

STYLE

The Total Pressure Governor (TPG) provides you with tons of features in a compact ergonomically designed package. It is easy to set up and configure. It comes standard with integrated engine instruments (battery voltage, coolant temperature, oil pressure and engine RPM). It utilizes the J1939 CAN bus for engine control but also has an analog throttle output for those engines that do not support CAN control. It has easy to read alpha numeric displays and programmable presets. The integrated alarm output provides a warning whenever anything is out of parameters.



Features

The Total Pressure Governor (TPG) is an SAE J1939 Controller Area Network (CAN) device that controls engine speed using data communications directly to the engine ECU or with an analog control signal. By operating on the J1939 network, the governor is able to monitor engine RPM and other pertinent data directly from the engine ECU. Engine information is available directly so that NFPA required instrumentation is delivered through a single unit saving panel space and delivering engine specific warnings as determined by each engine manufacturer. Control algorithms are optimized to take advantage of the J1939 CAN data to yield crisp and accurate control of engine and subsequently pump speed and pressure output. On units with starting with software version 7.xx the Governor when first installed and powered will step through a CAN Auto BAUD rate detection sequence. Once the Governor determines which BAUD rate the CAN bus is running on it will save it to memory. For engines that may not support the data link control, an analog output signal is available to provide precise control of the engine speed and pressure.

Applications/Solutions

- Fire OEMs
- Firefighting - Airport (ARFF)
- Firefighting - Industrial
- Firefighting - Structural
- Firefighting - Wildland Forestry

Specifications

Country of Manufacture	US
Width	4.437" (112.7mm)
Height	6.0" (152.39mm)
Depth	2.25" (57.15mm)
Volts	+9 VDC ... +32 VDC
Amperage	350 mA (13.8 VDC) / 195 mA (27.6 VDC)
Can Specification	SAE J1939: 125, 250, 500 Kbits/second
Engine	Cummins, Mercedes, PGN0, Analog, PWM, Volvo FE/FL, Volvo FM/FH, Scania BWS, Scania BCI, FAW, MAN
Enviromental Range	IP 67

TPG

STYLE

Output power (Alarm)

- 250mA (ground polarity)

Protection

- Internal thermal fuse (1850mA on pin 1 of the 6-pin Deutsch connector)
- Reverse voltage protection (pins 1 and 2 of the 6-pin Deutsch connector)
- CAN buses protected to 24V
- ESD voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Load dump voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Outputs protected for short circuit and thermal overload