



Captain Pressure Governor

STYLE

The Captain Pressure Governor (Uni-Gov) p/n 107396 is designed to maintain pump pressure or engine speed setting. This unit will work with electronically controlled engines that accept a variable analog voltage signal (0 to 5 VDC) or a Pulse Width Modulated signal (PWM 12% to 87% at 400 Hz) as a remote throttle voltage (engine signal).

Features

For Cummins, Caterpillar, and Navistar engines, once the Engine Control Unit (ECU) is programmed for remote throttle the ECU continuously looks for the remote throttle voltage. If the remote throttle voltage is not present the ECU will record a fault and illuminate the Check Engine Light (CEL) or Stop Engine Light (SEL) dependent on the ECU.

Applications/Solutions

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



Specifications

Country of Manufacture	US
Width	4.437" (112.70mm)
Height	6.00" (152.39mm)
Depth	2.250" (57.15mm)
Operating Pressure	300 PSI (20.6843 Bar)
Volts	+9VDC ... +32VDC
Amperage	350 mA (13.8 VDC) / 195 mA (27.6 VDC)
Engine	Cummins, Caterpillar, Navistar, Detroit Diesel, Mack, Mercedes
Enviromental Range	IP 67

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Output Power

- Alarm - 250 mA (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 bus protected for heavy duty trucks (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