

APECS™ CONTROLLERS

The APECS controllers combine a digital electronic controller with a rotary or linear actuator to provide speed control of engines under 75 hp (56 kW). The controller provides accurate, reliable, and durable control over the service life of the engine in extreme operating environments.

These digital controllers provide isochronous speed control, with the ability to be influenced by other engine or operational parameters to trim the engine's speed. Some models offer actuator position control, torque limiting, droop, glow plug control, CAN J1939-based communications, and additional engine management and protection functions to optimize engine operating efficiency.

APECS controllers are readily configured using the APECS software calibration tool, helping to prevent field tampering of control settings, and all include diagnostics to make setup and troubleshooting easier. A worldwide network of sales and support make answering your operational questions easier and more convenient.



APECS 500 SPEED CONTROL

This single speed controller is designed to meet the needs of the small genset market where simplicity, ease of operation, and low cost are key features.



APECS 4500 CONTROLLER

The APECS 4500 controller is integrated into commercial and construction vehicles, and industrial engine systems and compressors by original equipment manufacturers.



APECS 4800 CONTROLLER

The 4800 provides NOx control through EGR and particulate control with smoke limiting technology using actuator position feedback control.

APECS™ ACTUATORS

Woodward's APECS linear and rotary actuators provide proportional fuel control for construction, industrial, and agricultural equipment, forming the foundation of full electronic governing systems. These actuators are suitable for speed governing on generator sets, forklifts, pump sets, wood chippers, pleasure boats, and many types of off-road vehicles.

The actuators are easily mounted near the fuel system and direct-connected to the fuel control rod or lever. In most installations, the normal rotary-to-rotary connection is eliminated, resulting in a more trouble-free and accurate control system.

Whatever your force, travel, terminal connection, or mounting requirements, you'll find a Woodward actuator to meet your needs. Or, we can custom design one for your exact specifications.



APECS GBA ROTARY ACTUATOR

Roughly the diameter of a the GBA, it is suitable for power generation (stationary and mobile gensets) and industrial equipment applications.



APECS 0175 LINEAR ACTUATOR

1.75" spring-return actuator, available with position sensing feedback, provides proportional fuel control for construction, industrial, and agricultural equipment.



APECS 0154 LINEAR ACTUATOR

Purpose built to be an integral part of PF fuel pumps. The actuator is also available with position sensing feedback for the control.