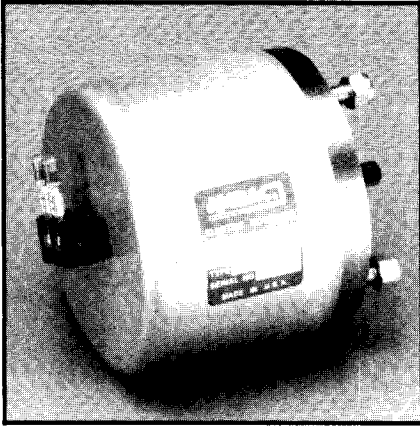
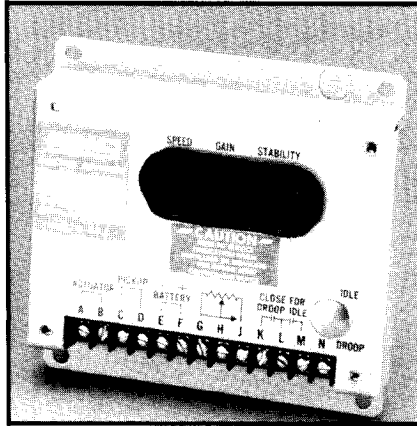


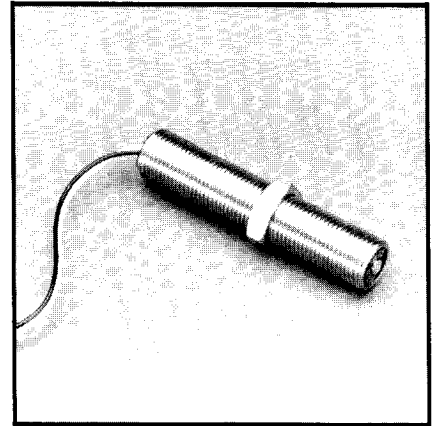
0.5 Joule Governing System



Actuator
AGK 500



Controller
ECD 67-5111



Speed Sensor
MP 675

Features:

- Precise: $\pm .25\%$ Regulation.
- For 12V, 24V or 32VDC Power Supply.
- 0.5 Joule of work output to control the Engine Fuel Injection Pump or Carburetor.
- Isochronous or Droop Operation.
- Controller will move to shut-off position in case of loss of signal.
- Controls in-line Diesel Fuel Injection Pumps.
- Controls Rotary Diesel Fuel Injection Pumps.
- Millisecond Response Time.
- Maintenance Not Required.

The AMBAC 0.5 Joule Electric Speed Control System consists of a magnetic speed sensor, a solid state electronic Control Unit and an actuator to regulate the fuel injection pump delivery or to position the carburetor throttle. The actuator and a variety of controllers are designed for compatible operation with each other to govern diesel, gasoline or natural gas engines. The system offers isochronous or droop control of engines found in off-highway equipment, generator sets and industrial engine applications.

The 0.5 Joule Governing System can be expanded for a wide variety of specialized control applications by adding one or more accessory modules and by using an alternate controller.

Typical accessories are those which provide crank termination, overspeed signals, synchronization with a bus and load sharing.

Magnetic speed sensors are available in various lengths and types with wire leads or shielded cable.

The AGK 500 type actuators have work outputs of 0.5 Joule; 45° cw/ccw rotation and are used with diesel fuel injection pumps requiring up to 1.4 lb.f.-ft. torque to move the rack or operating lever.

The solid state controller receives signals, proportional to engine speed, from the magnetic sensor. Any change in engine speed is countered by a change in current to the actuator.

The change in current causes the actuator armature to assume a position which increases or decreases the amount of fuel delivered by the fuel injection pump or carburetor.

