

# Governor Products

## Governor Kits & Upgrade Systems

### Using Industry-Standard PLC & Hydraulic Systems

SOLENOID-  
OPERATED PUMP  
UNLOADER KITS

KIDNEY LOOP  
OIL FILTRATION  
SYSTEMS

RETROFIT KITS  
- SELSYN METERS  
- 3D CAM CONTROL  
- SPEED SWITCHES  
- DIGITAL INTERFACE  
- DASHPOT BYPASS  
- ACTUATOR RETROFITS

PARTIAL  
GOVERNOR  
UPGRADE KITS

COMPLETE  
DIGITAL  
GOVERNOR  
SYSTEMS

HIGH PRESSURE  
HYDRAULIC  
POWER UNITS  
(HPUs)



American Governor Company offers a complete suite of engineered products, governor retrofit kits, partial upgrade kits, and complete digital governor systems. American Governor engineers are OEM-trained and have decades of experience in the design, engineering, and commissioning of governors and hydraulic systems. Our digital upgrades are based on Programmable Logic

Controller (PLC) hardware and software products from industry leaders like Allen-Bradley™, GE Fanuc™, Modicon™ and Siemens™. Our seasoned programmers have years of experience programming Woodward and PLC digital governor systems. We understand the unique characteristics that separate a true hydroelectric governor from a simple speed controller.

#### RETROFIT KITS:

- Solenoid-Operated Unloader Kits
- Selsyn Replacement Kits
- Blade Control "3D Cam" Replacement Kits
- Electronic Speed Switch Kits
- Digital Interface Kits
- Actuator-to-Proportional Valve Retrofits
- Kidney Loop Oil Filtration Systems
- Dashpot Bypass Conversion Kits

#### DIGITAL GOVERNOR UPGRADES:

- Partial Upgrade Kits (includes Governor PLC, Electronic Feedback and Pilot Valve Replacement)
- Complete Governor Upgrade Systems (includes PLC, Valves, HPU, Pressure Tanks and Servos)
- Digital governor upgrades are available for:
  - Mechanical Cabinet Actuators
  - Analog Electric Actuators (Mod I and II)
  - Type A Actuators
  - Gateshaft Governors
  - Other Types: Pelton, Cheston, Allis-Chalmers, Voith, Lombard, SM Smith and others

#### DIGITAL GOVERNOR FEATURES:

Our systems are designed around your needs and budget:

- Programmable Logic Controller (Simplex or Redundant)
- Advanced remote communications (Industry-standard protocols)
- Color Touchscreen HMI (Local, Remote, or both)
- Electronic Position Feedback (Simplex or Redundant)
- Electronic Speed Sensing (Simplex or Redundant)
- Hydraulic Valve Manifolds (Simplex or Redundant)
- Hydraulic Power Units (High and Low Pressure)
- Pressure Accumulators and Servomotors



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