



AMERICAN GOVERNOR

- **ECONOMICAL ALTERNATIVE TO DIGITAL GOVERNOR**
- **IMPROVES UNIT ON-LINE CONTROL**
- **SIMPLIFIES SCADA INTERFACE TO GOVERNOR**
- **RETAINS RELIABLE, FAMILIAR GOVERNOR COMPONENTS**
- **ADVANCED COMMUNICATIONS:**
 - DH-485
 - RS-232
 - ETHERNET (OPTION)
- **AVAILABLE FOR:**
 - MECHANICAL
 - ANALOG
- **USER PROGRAMMABLE**

DIGITAL INTERFACE KIT

Adapts Mechanical and Analog Governors to Digital Control

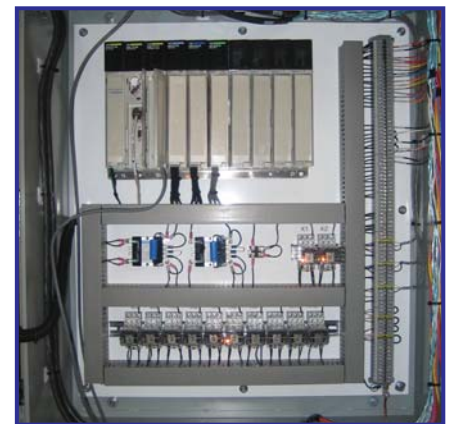
Digital Interface (DGI) Kits are the economical alternative to digital governors. American Governor DGI Kits are custom engineered for all types of mechanical and analog electric governors and allow you to retain the reliability and familiarity of your existing governors while adding the advanced control and monitoring functions of a digital governor. With a DGI, you get the best of both worlds!

Our DGI Kits are complete, including Allen-Bradley™ PLC, cabinet, power supply, terminal blocks, interposing relays, governor transmitters, even a color touchscreen for local control and monitoring. Plus, the DGI complements your plant automation project by communicating with other controllers using industry-standard protocols.

Installation is simple and requires no major modifications within the governor cabinet. AGC Field Service Engineers are available to assist with installation, interconnection, set-up and testing, if required.

Basic Features:

- Retains existing pilot and distributing valves
- Retains existing governor meters and switches
- Retains existing Auxiliary Valve for Manual Control*
- Relieves SCADA from controlling Gate Limit, Speed Adjustment motors
- On-line control setpoints, ramp rates received via digital communication link
- Automatic Dashpot Bypass control for improved loading and unloading rates
- Governor Out-of-Calibration alarm
- Health Monitor and Communication Failure alarms
- Includes Gate Limit, Gate Position, Speed Adjustment transmitters



For Illustration Only, Actual Layout Will Vary

Enhanced Features:

The Basic DGI can be enhanced with custom features such as:

- Variable ramp rates based on net head for consistent unit load/unload
- Replace cam-actuated Gate Position, Gate Limit and Speed Adjustment switches
- HPU monitoring and alarms (e.g. clogged filter, lead/lag pump operation)
- Adjustment switches with discrete outputs
- Monitoring of other governor auxiliary systems
- Blade Control "3D Cam" function

Enhanced features may require additional hardware.

DGI Kits are available for the following governors:

Mechanical Cabinet Actuators (all manufacturers)

Analog Electric Cabinet Actuators (all manufacturers)

* Provides slower-rate manual control independent of governor main distributing valve. Digital governor upgrades usually eliminate this important maintenance device.



AMERICAN GOVERNOR

We Provide Parts and Service for:



Gateshaft Governors



Mechanical Cabinet Actuators



Analog Cabinet Actuators



Digital Governors

Regional Offices Serve You Better!

Call today for governor parts, service, training, or technical support.

Governor School is Back!

Every June in Wisconsin. Call your Regional Office for details.

New and Reconditioned Parts Available

American Governor parts meet or exceed OEM standards.

Nagging Governor Problems?

American Governor experts are just a phone call away.

OEM Unsupportive?

American Governor supports all types and styles of hydro governors, produced by any manufacturer.

Have an Emergency? Call Us!

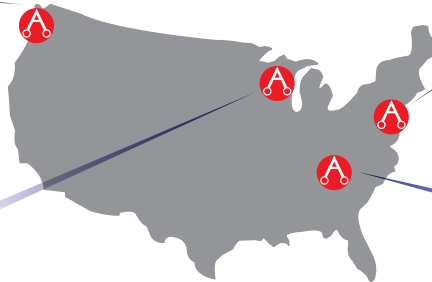
American Governor has a wide variety of governor assemblies and auxiliary systems that can be sent out on short notice to get your unit running.



Wisconsin Training and Repair Facility

AGC - Northwest Office

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