

Governor Products

Digital Governor Upgrade Kit For Woodward Gateshaft Governors

REDUCED
MAINTENANCE

ENHANCED
CONTROL

SIMPLIFIED
TROUBLESHOOTING/
DIAGNOSTICS

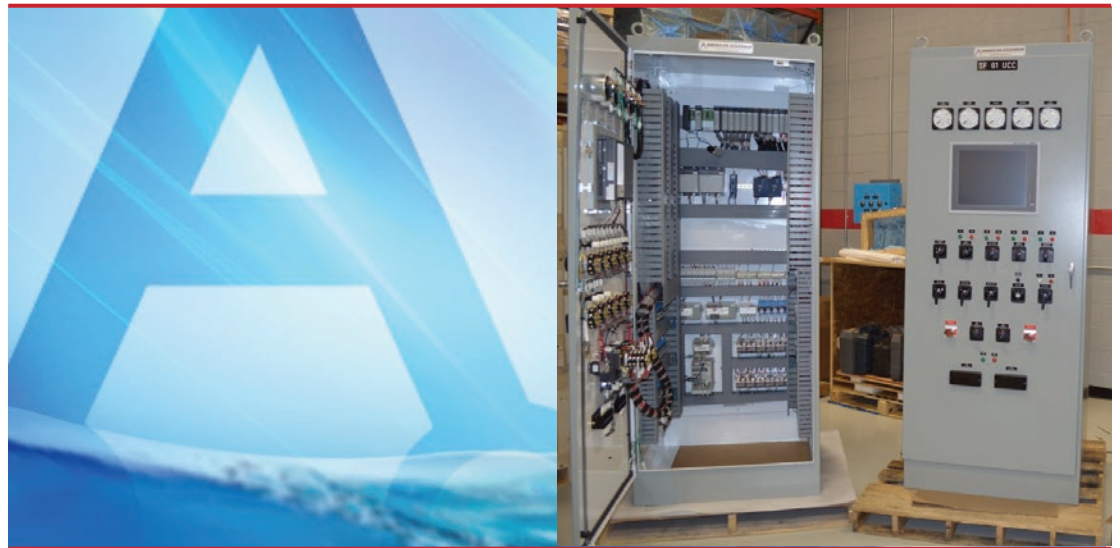
USES STANDARD
OFF-THE-SHELF
COMPONENTS

SIMPLE TO
INSTALL & TUNE

INTERFACES
WITH OTHER
PLANT SYSTEMS

COLOR
OPERATOR
TOUCHSCREEN

COMPLETE
O&M MANUAL



American Governor has developed standardized digital upgrade kits for every type and model of Woodward Gateshaft Governor. Our kits are simple to install and include everything you need to upgrade, including Allen-Bradley™ PLC controller, cabinet, power supply,

ElectroHydraulic Interface, local operator interface, high-resolution speed sensing and electronic feedback devices. Off-the-shelf components are used wherever possible to ensure long-term support.

UPGRADE BENEFITS:

- Reduced maintenance
- Enhanced control functionality
- Color touchscreen operator interface
- Utilizes standard, off-the-shelf components
- Interfaces easily with other plant systems:
 - Autosynchronizer
 - Plant Controller
 - SCADA System

ENHANCED FEATURES:

- Pre-wired Control Cabinet with PLC and accessories
- Emergency Stop Pushbutton
- Potential Transformer (PT) Speed Signal Module
- Color Touchscreen Operator Interface, featuring:
 - Unit Start / Stop Control
 - Display of All Unit Parameters
 - On-line Control Mode Selection
 - Unit Alarm Indication
- Basic Trending and Event Log
- Access to Tunable Parameters
- ElectroHydraulic Interface (EHI), including:
 - Proportional Valve for primary control of relay valve
 - Solenoid Valve for fail-safe emergency shutdown
 - Filter assembly, brackets and all mounting hardware
- Electronic position feedback devices for servomotor and relay valve
- Complete documentation for Operations and Maintenance (O&M)

DIGITAL UPGRADE REDUCES MAINTENANCE

Gateshaft Upgrade Kits greatly reduce periodic maintenance because nearly all the wearing components of a Gateshaft Governor are removed: flyball assembly, pilot valve, dashpot, links, levers and mechanical restoring. The only items retained are the low-pressure oil pump, unloader, tank, relay valve, and servomotor, and AGC offers complete overhaul services for all retained components and assemblies.



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