

Governor Products

3D Cam Replacement Kit For Woodward Blade Controllers

ELIMINATE
UNSUPPORTED
HARDWARE

MAXIMIZE
EFFICIENCY

STANDARD PLC
HARDWARE

INTERFACES
WITH EXISTING
DEVICES

FIELD
PROGRAMMABLE

SERIAL PORT
AVAILABLE



If you are still running the “3D Cam” blade control system that came with your governor, chances are you can improve efficiency and avoid costly downtime by retrofitting your proprietary system with a PLC-based system from American Governor. The original Zilog systems were notoriously hard to re-program, so you may be running obsolete curves and losing efficiency as a result.

Our Replacement 3D Cam Kit is a drop-in replacement for the Zilog CPU controller and uses your existing gate, blade and net head (or head / tailwater) signals. No complicated mechanical equipment is required and there is no hydraulic interface. Our kit includes everything you need and our engineers will pre-load your latest Index Test curves, maximizing unit operating efficiency.

REPLACEMENT 3D CAM KIT INCLUDES:

- PLC-based controller mounted in NEMA 12 enclosure
- Uses existing gate, blade and net head input signals
- Net Head Failure and Control Failure relays
- Stepper motor driver (blade angle)
- Auto/Manual switch and Manual Net Head dial
- Pre-wired and factory tested
- Installation and Operation Instructions
- Pre-programmed Software (field adjustable):
 - 3D Cam Curve (data provided by customer)
 - Blade Tilt, Blade Lock Logic
 - Input Signal Failure Detection
 - Controller Diagnostics
- Power supply, terminal blocks and mounting hardware

GOVERNOR RETROFIT KITS AVAILABLE:

- Solenoid-Operated Pump Unloader Kits and Lead/Lag Operator Panels
- Selsyn Replacement Kits (substitutes 4-20mA transducers, new remote indicators)
- 3D Cam Replacement Kits (eliminates obsolete mechanical and early-digital designs)
- PLC-based Speed Switch Replacement Kits (eliminates auxiliary switches)
- Digital Interface Kits (for remote control of mechanical and analog governors)
- Kidney Loop Oil Filtration Systems

American Governor is committed to supporting all your governors, regardless of manufacturer or model, with parts, field service, technical support, training and engineering for as long as you wish to keep them in service.



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