

Elliott Digital Governor

The EDG (Elliott Digital Governor) is a compact speed control for mechanical drives or induction generators. The EDG can be configured for NEMA A or NEMA D operation. The standard enclosure is NEMA 4X and suitable for wall mounting.

Benefits

- Improved speed control and reliability over hydraulic governors
- Full operational control - easily misplaced separate programmer not required
- Low initial cost relative to other electronic and most hydraulic governors
- Rapid availability relative to other electronic governors
- Sized for 19" rack mounting

Features

- Low initial cost
- No separate programmer needed
- Local speed readout
- Simple push button operation
- Large continuous LCD display
- Two magnetic pickups (MPU) for redundancy
- MPU okay indication
- Remote speed control capability (4-20 mA DC, 300 ohms)
- Check electrical and mechanical trip
- Fail safe
- Programmable idle speed
- Programmable ramp rate
- Programmable turbine speed
- Pre-programmed electrical trip speed
- 3 to 1 speed range turndown capability
- Governor valve closes when turbine trips

Options

- Remote trip capability (requires solenoid purchase)
- Remote start/stop capability
- RS422 port
- Remote Idle/Rated



Inputs

- Two magnetic pickups
- 4-20 mA remote speed set point
- Remote trip signal
- Remote start/stop (when supplied)
- Remote Idle/Rated (when supplied)

Outputs

- 4-20 mA to actuator
- 4-20 mA to remote speed readout (when supplied)
- Alarm contact for MPU failure
- Trip output for trip solenoid

Utilities

- Electrical power
120/230 VAC 50 or 60 hertz; 300 watts max.
Conduit opening – Two holes in bottom for 1" conduit hubs
- UL and CSA certified, (others available)
- Air for actuator
NEMA A – 40 PSIG min., 150 PSIG max.
NEMA D – 75 PSIG min., 150 PSIG max.

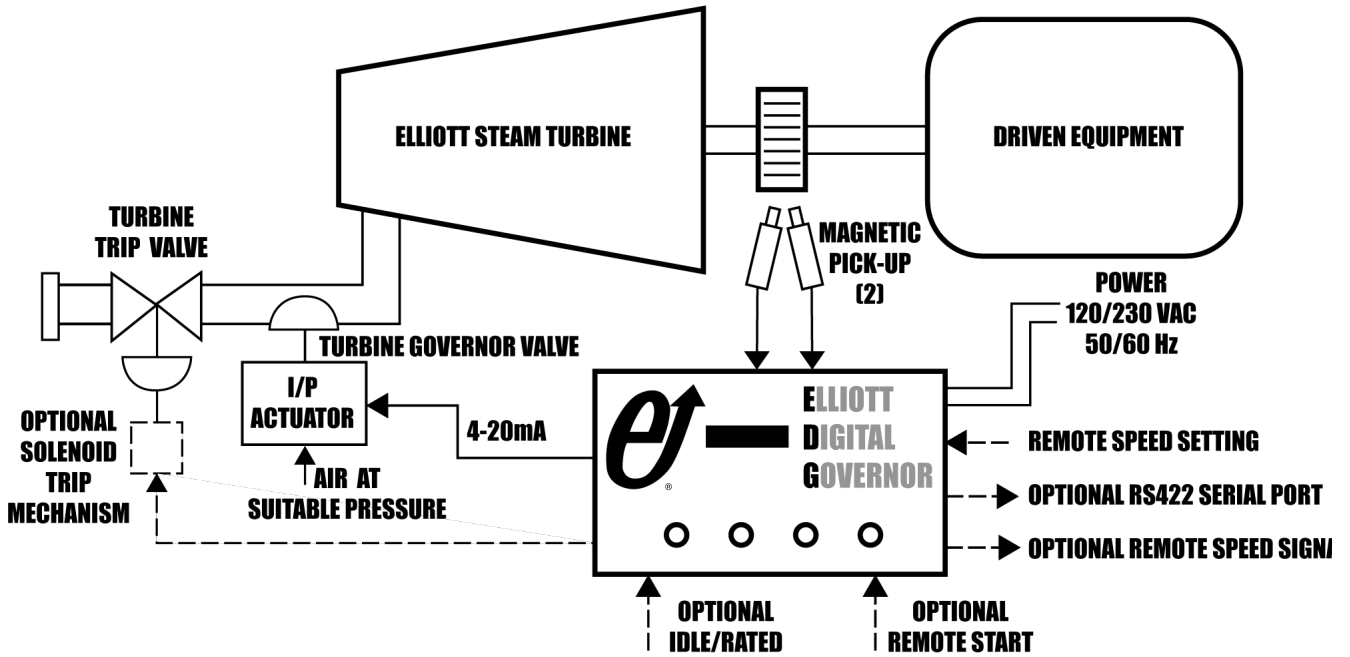
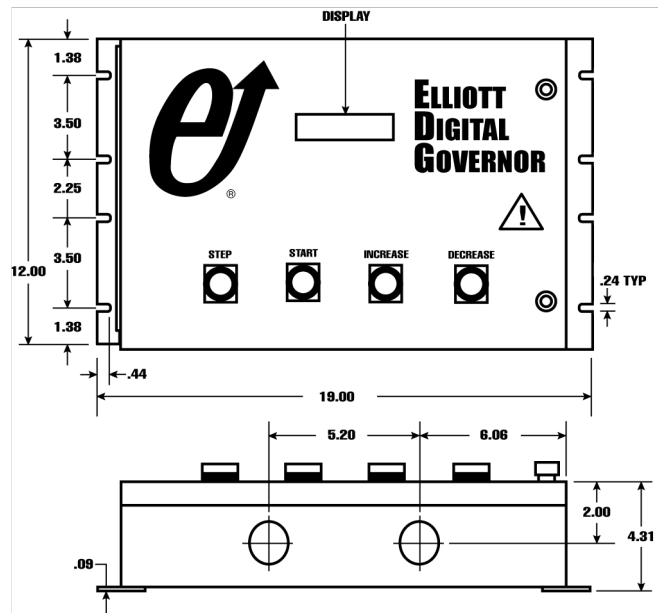
Ambient conditions

Suitable from 0 oF (-18 oC) to 130 oF (55 oC)



The world turns to Elliott

TURBINES



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