

Electronic Actuators & Position Sensors

Electronic Actuators

SERVOTOP II Series Failsafe Linear Electronic Actuators

Linear motion type PSN
for thrust 3000-5000 N



FEATURES

- Brushless angle sensor eliminates problems with mechanical potentiometer feedback sensing
- 0.06 mm linear resolution for precise valve/damper positioning
- Opening/closing speed, split range and failsafe position programmable in-field
- Internal temperature sensor to warm unit in cold climate or to prevent motor burnout from overheating
- Forced-open/-closed contacts for remote or manual override

APPLICATIONS

- Chemical injection/mixing
- Fuel valve control
- Petrochemical and pharmaceutical flow controls
- Wastewater flow control
- HVAC damper positioning
- Food machines

Mini-Top Series Linear & Rotary Electronic Actuators with DeviceNet Communications

Linear motion type MSP for thrust 700-2500 N
Rotary motion type MRP for torque 5-33 N·m



FEATURES

- High resolution positioning for better valve control
- Built-in feedback positioner and electronic limiter
- Brushless stepping motor assures long-life operation
- 1/1000 resolution

APPLICATIONS

- Pilot plants
- Chemical injection/mixing
- Fuel valve control
- Tank valve control in brending machines
- HVAC damper positioning
- Food machines
- Petrochemical, pharmaceutical, wastewater flow controls

Position Sensors

M-System's Model VOS2T and VOS2T-R are two-wire position transmitters incorporating a brushless angle sensor as their key sensing component. They detect rotating angles of pneumatic and electric actuators and send 4 to 20 mA_{dc} signal proportional to the angles.

They are also widely used in monitoring and automating various mechanical systems.



FEATURES

- Lightweight & compact design
- High resolution
- Direct and reverse actions are selectable in-field
- IP 65 diecast aluminum enclosure is suitable for field applications

APPLICATIONS

- Position transmitter for pneumatic control valve or dampers
- Continuous control of an ON/OFF solenoid valve
- Position feedback for motor-driven systems or servo control systems
- Measuring roller position displacement in paper, cloth and other types of film feeders
- Upward/downward positioning for boarding bridges
- Rudder direction sensing
- Liquid level sensing in reservoir tanks