



P Series Non-Spring Return 800”lb to 40,500”lbs Torque Quarter-Turn Electric Actuators

Features:

- Patented Self Locking Drive
- Proportional, Jog or On/Off Control
- NEMA 4/4X cast Aluminum Alloy housing
- ISO5211 Mounting System
- Internal Heater
- Dual SPDT Auxiliary switches
- Modular Design eliminates excess wiring
- Internal Motor Thermal protection (275 deg F / 135 deg C)
- Planetary Epicyclic Gear Design
- Manual override for single-handed positioning
- Easy-to-see Raised Position indicator
- Two 3/4” NPT entry ports on base
- Positive Mechanical Stops in base
- Ambient Operating range -22F to +150F (-30C to +65C) with internal heater

Benefits:

- No Brake required
- Responds to a wide range of industry-standard signals
- Resists Environmental attack.
- No bracket/coupling required for most valves - lower profile.
- Prevents condensate damage to internal electronics
- Easily control motor starters and damper based on actuator position
- Allows for easy field conversion from 2 position to proportional control.
- Further Protection for the longevity of the drive motor.
- Robust Industrial design for balanced distribution of gear train forces - designed for 90 degree +/- 3 degree rotation.
- No levers to push or pull are needed to engage the override hand wheel.
- Allows for quick visual verification of the true position of the actuated device.
- Easily accepts 12 ga field wiring
- Overtravel Protection for the actuated device during manual override functions.
- Allows for applications ranging from Mechanical Rooms to Outdoor Environments.



Simple one-handed clutchless manual override system



Self Locking worm and gear transmission system



ISO5211 standard drive and mounting design



PROMATION ENGINEERING

Precision Actuation for Industry

Innovative Quarter-Turn Industrial Actuators from 100 - 40,500"lbs.

You may have seen the Outside...

...the ProMation difference is on the **INSIDE!**

Thermal Management-

Our Proportional control actuators utilize proprietary, microprocessor-based algorithms to automatically control motor temperatures in real time with closed-loop feedback.



Data Logging and Diagnostics-

Our Proportional control actuators respond to a variety of control signals which are user-selectable through a simple joystick/menu interface. The microprocessor based control monitors and records operating parameters that can be used for process diagnostics, advanced alarming functions or maintenance scheduling.



Power Supply Flexibility-

ProMation P Series actuators are available for use in applications ranging from 12VDC up to 480V 3 Phase including On/off/Jog and Proportional applications. All three phase actuators are available with pre-



Cast Aluminum Enclosures-

Electrostatically applied Epoxy powdercoat assures even and thorough protection to NEMA 4x standards. All exterior hardware is Stainless to provide a further element of protection from the elements.

Modular Design-

Our P Series actuators utilize modular PC Boards designed and manufactured in North America. By eliminating 90% of the internal wiring found in most imported actuation products, we're producing a higher quality, more reliable, and easier product to install, operate and maintain.



Color-coded Cams-

The use of color-coded cams makes it easy to adjust auxiliary switch trip-points for up to four independent Form C dry switches, two of which are included



Internal Heater-

The included low-power, continuously on resistance heating element protects components from the effects of condensation build-up inside the actuator enclosure.

Superior Gear Design-

P Series actuators employ an epicyclic gear design to provide tough, dependable torque transmission in a compact, quiet, smooth package.



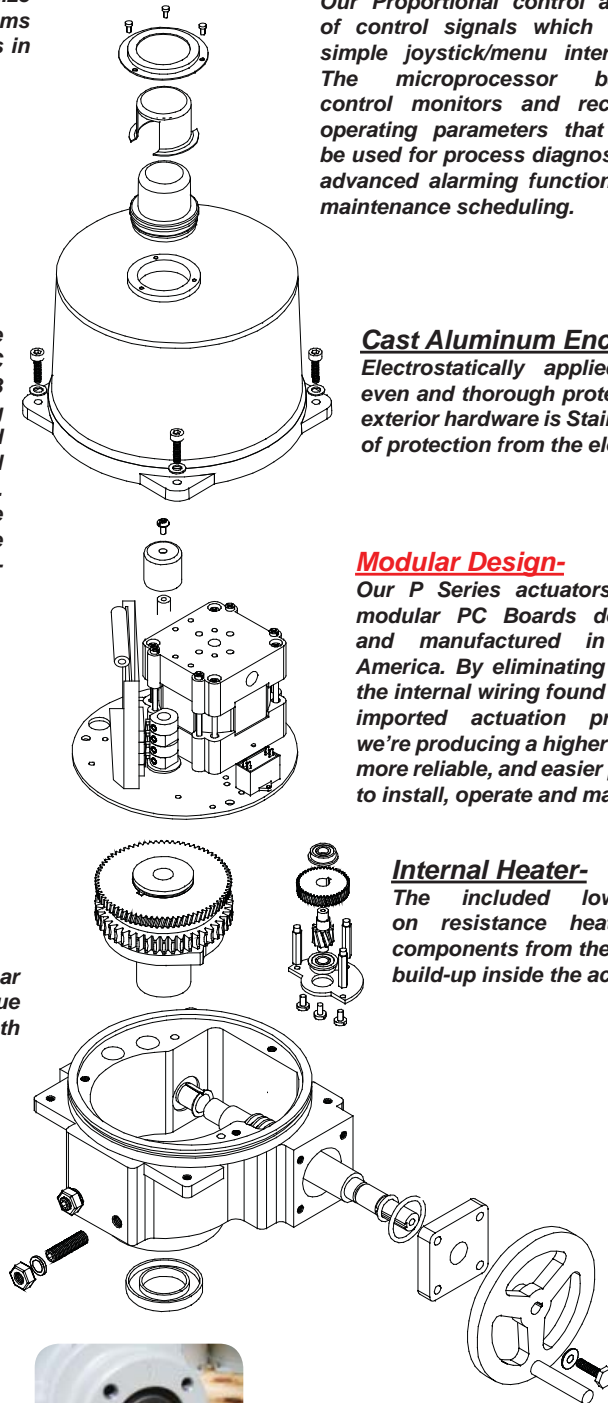
Mounting Flexibility-

The P series actuators conform to ISO5211 standards to provide mounting flexibility and universal conformity. We employ 8 point star drives to provide further mounting solutions for both square/parallel and square/45 drive solutions. We offer a wide range of drive inserts as well.



Manual Override-

The manual handwheel override system employed on our P series actuators is the simplest, most reliable design in the industry. There are no levers to push or pull to engage the manual system.....simply turn the handwheel at any time to manually position the actuator.



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