

# Automatic Positioning of Small Ball Valves

- **2, 3 or 4 Way Ball Valves**
- **2 Positions, 1/4 or 1/2 Turn**
- **-40°C to +100°C**
- **12 to 48V AC/DC**
- **High Reliability**
- **High Torque**
- **0.8 lbs. Weight**
- **Compact (4" x 2" x 2")**



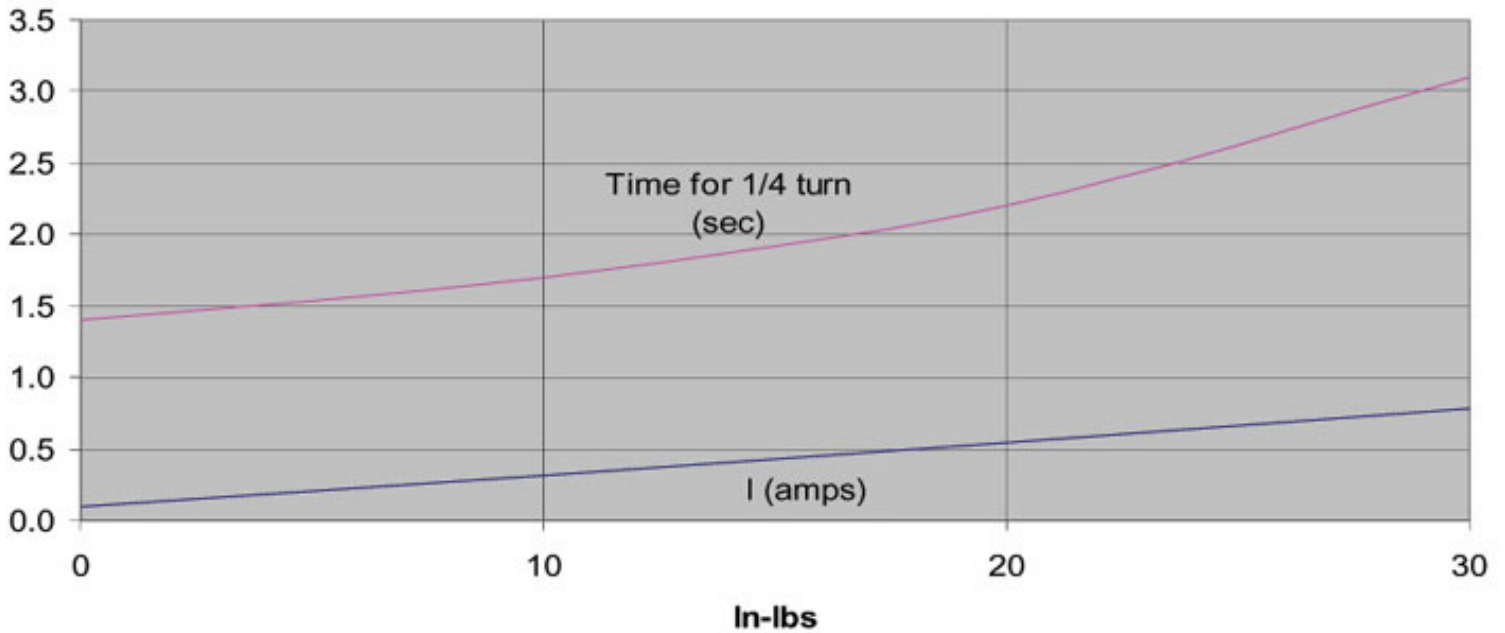
MSA with  
3-Way Ball Valve

**Precision control of ball valve operates on readily available 12 or 24V AC/DC and TTL input (see schematic). High positioning accuracy and reliability. Actuator 'On Time' (power being consumed) limited to valve position change only. Adaptable to any ball valve on the market within the operating torque range. Custom modifications available.**

## Specifications

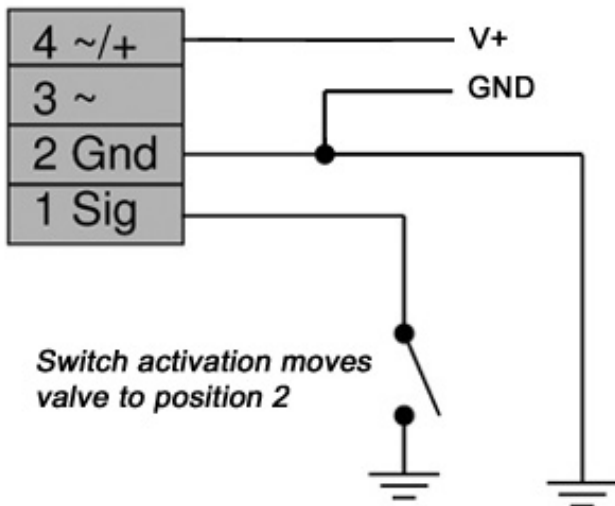
Operating Voltage	12 or 24V AC/DC
Positioning Accuracy	$\pm 2^\circ$
Current Consumption (position change)	200 - 700mA (12V) / 100 - 350mA (24V)
Current Consumption (idle)	9mA to 12mA
Input	TTL (< 0.2mA)
Operating Temperature	-40°C to +100°C
Housing	Anodized aluminum
IP Rating	IP65 (Nema 4x)
Dimensions	4" x 2" x 2" (without valve)
Weight	0.8 lbs. (without valve)

## Performance Chart

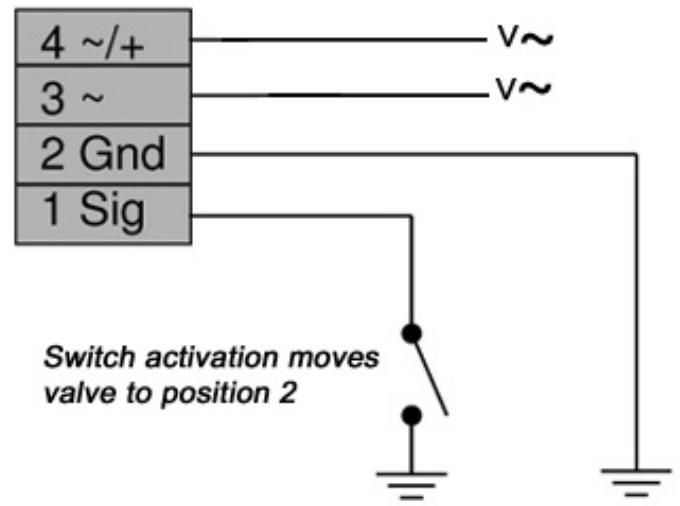


## Schematic

### DC Voltages

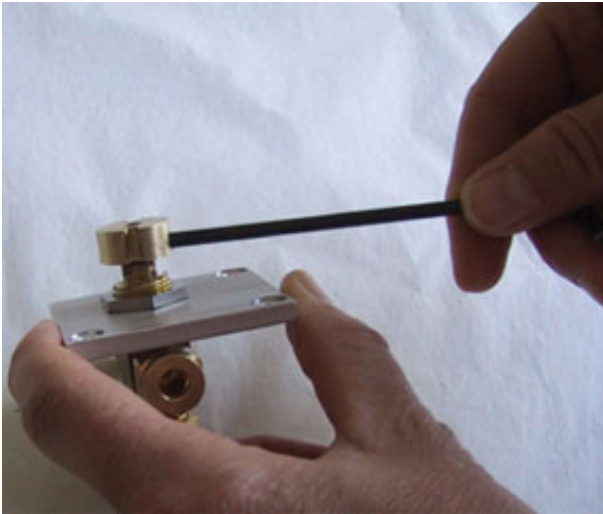


### AC Voltages

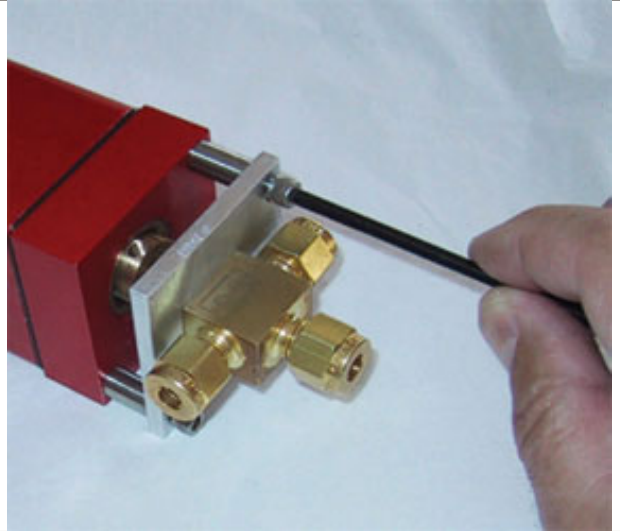


Simple Valve Installation (can be installed at factory or in the field)

Valve Mounting Plate and Lever



Attach Valve Assembly to Actuator



Variations



Also Available.....



MPA series electric valve actuators for analog or serial proportional control of needle valves.

*P3 America*

*Precision Positioning Products*

3089C Clairemont Dr. #363 - San Diego, CA 92117

Phone: (858) 277-1420 Fax: (858) 225-0439

[www.p3america.com](http://www.p3america.com)