

Actuated Valves Product Guide & Engineering Specifications

Electro Series Specifications



The Electro Actuated Ball Valve provides high quality, basic on-off electrical actuation at an economical price, with voltage options and special “2-wire” control available. This prepackaged combination is constructed with an all plastic NEMA 4X enclosure directly mounted to a PVC or CPVC valve body for lighter weight and a low profile design for minimal space requirements. All Electro Series Ball Valves are pressure rated to 235 psi and suitable for vacuum service. Available in IPS sizes 1/2" - 2", with socket, threaded, or flanged ends and choice of EPDM or FKM O-ring seals.



Typical Illustration



Typical Illustration

ELECTRO ACTUATED COMPACT 2000 BALL VALVE

Compact Electro Ball Valves are built around Spears® industrial grade Compact 2000 Ball Valve. This heavy bodied, sealed unit design is well suited for a multitude of general purpose, industrial, and OEM actuation needs.

ELECTRO ACTUATED TRUE UNION BALL VALVE

The Electro True Union Ball Valve utilizes Spears® industrial grade True Union Ball Valve. This fully repairable, double union style allows easy in-line removal for servicing and is the valve of choice for many industrial and chemical processing applications.

ELECTRO 50 & 100 ACTUATOR SPECIFICATIONS

- Motor:** Brushless, Non-Reversing, Shaded Pole, Thermally Protected
- Torque:** ELECTRO-50 50 in./lbs. (1/2" - 1" Valves)
ELECTRO-100 100 in./lbs. (1-1/4" - 2" Valves)
- Opening Time:** 5 seconds
- Closing Time:** 5 seconds
- Duty Cycle:** 25% standard (optional 75% available)
- Limit Switch:** Cam Operated, Omni Directional, SPDT
- Housing:** NEMA 4X (Weatherproof, Corrosion Proof), High Impact Polypropylene, SS 316 Fasteners
1/2" NPT Connection
- Indicator:** Visual Open/Close - Standard
- Voltage:** 115V standard (see Voltage Options)

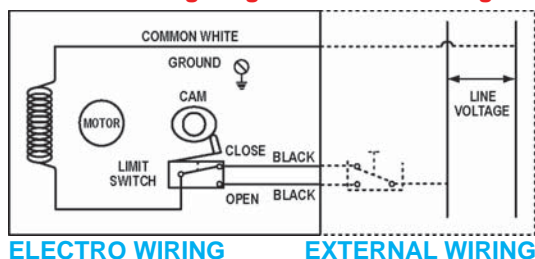
Optional “2-Wire” Control:
Control switch setup operates as a solenoid valve. Valve opens when control switch is open 5-seconds and closes when control switch is closed 5-seconds. Uses 4-wire connection with 2 wires to line voltage and 2 wires to SPST control switch.

Voltage Options:

Voltage	Load AMP Electro-50	Load AMP Electro-100
12 VAC	2.40	N/A
24 VAC	2.1	7.8
115 VAC	.6	1.9
230 VAC	.5	1.5
12 VDC	.3	.2
24 VDC	.2	.2



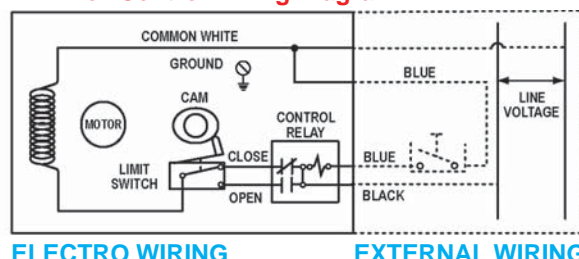
Standard Wiring Diagram 115 VAC Wiring



ELECTRO WIRING

EXTERNAL WIRING

“2-Wire” Control Wiring Diagram



ELECTRO WIRING

EXTERNAL WIRING