

Compact Valve Automation



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- **Ball Bearing Reliability**

Ball bearings on both the upper and lower AC motor shaft provide greater reliability than plain bearings do.

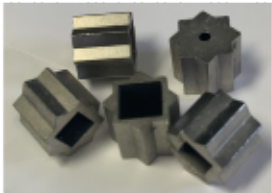
- **Heavy Duty PSC AC Motors**

Also, 12/24 vdc motors. And 230Vac, 24Vac, 24Vdc brushless.

- **High Strength Alloy Steel Gears**

- **Cast Aluminum Base with corrosion undercoat**

- **Stainless Steel Cover Bolts**



Inserts for direct mounting

- **ISO 5211 Mounting Pad F03-F05**

Standard mounting means direct mount of ISO valves.

- **Optional heater / thermostat**

Helps prevent condensation buildup inside the actuator during outdoor applications.

- **Relays, sensors, feedback....**

Check out the "solutions" page on our website for the many options we can add to your automation process.



- **Extra Switches**

Field switch kits available.

- **Optional servo control.**

Allows for positioning between 0 and 90°. 4*20mA or 0-10Vdc inputs.



- **Stainless Steel Manual Override**

- **Nema 4, 4X Housing**

- **15amp Switches***

- **Cams Allow 90°-270° Rotation**

- **Potting**

Optional sealed leads prevents ingress of moisture through the conduit entry.



Quarter turn automation

65 - 300inlbs

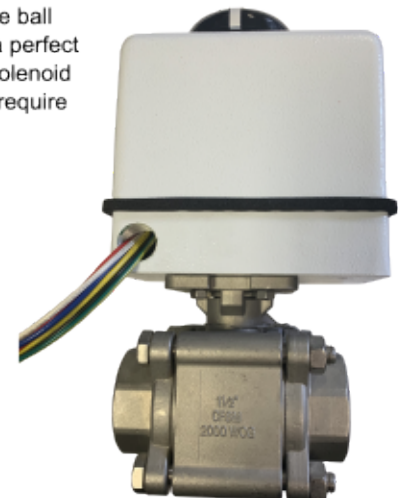


- **"Flying Leads"**

Specify W1 for a terminal strip or X2 for a DIN connector.

- **Ideal for ball valve automation.**

Paired with your favorite ball valve, the EV series is a perfect replacement for most solenoid valve applications that require more flow.



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* 10amp on some models.

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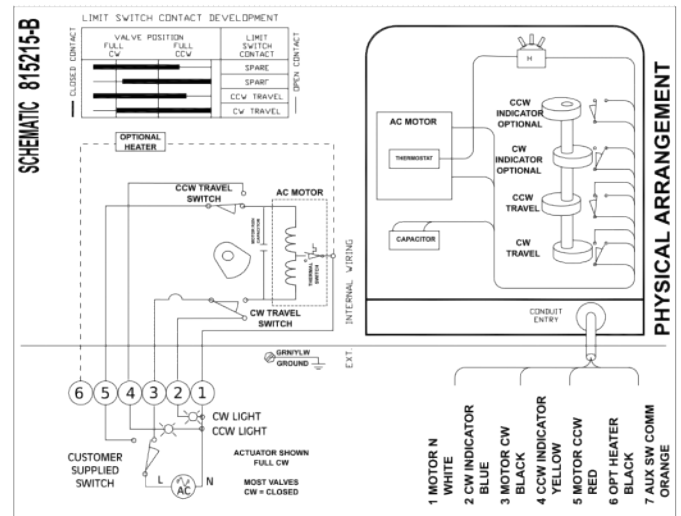
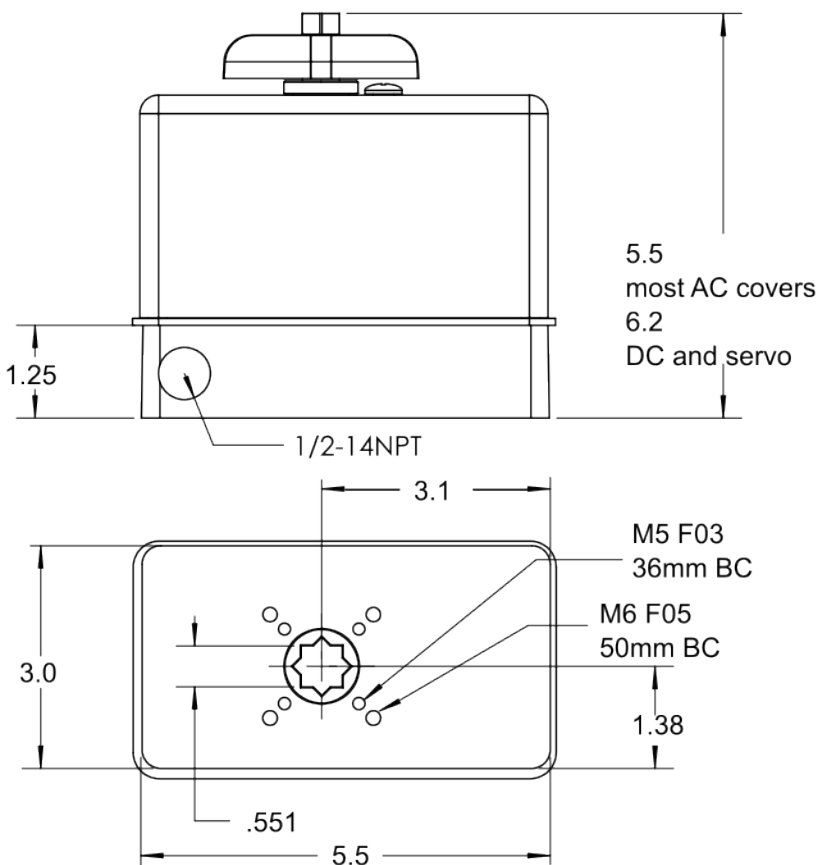


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Model	Output Torque		Speed Sec/90°			Current Amps			Weight	
	in-lbs	N-m	115Vac	12vdc	24vdc	115Vac	12vdc	24vdc	Lbs	Kg
EV06	65	7.4	3	3	3	0.6	1.6	1	5	2.3
EV1	125	14.2	3	3	3	0.6	1.6	1	5	2.3
EV2	200	22.7	7	7	7	0.6	1.6	1	5	2.3
EV3	300	34.1	7	7	7	0.6	1.6	1	5	2.3



EV - HOW TO ORDER

Optional Adders* []

EV 1 S1 V1 C2 T1 H1

Torque

- 06 = 65inlbs (7.4Nm)
- 1 = 125inlbs (14.2Nm)
- 2 = 200inlbs (22.7Nm)
- 3 = 300inlbs (34.1Nm)

Duty Cycle

- S1 = 75% } AC Motors
- S2 = 25% }
- S3 = 100% - DC Motors

Supply Voltage

- V1 = 120Vac
- V3 = 230Vac
- V7 = 24Vac
- V8 = 12Vdc
- V9 = 24Vdc
- V21 = 24Vdc brushless

*Not all options are mutually compatible.

Extra Options

- H1 = heater
- J2 = sealed Leads
- J3 = breather and drain
- J9 = 3 wire DC schematic
- M3 = 9mm insert
- M4 = 11mm insert
- M6 = F04 bolt circle
- W1 = terminal strip
- X1 = two 1/2NPT
- X2 = 3 pole DIN connector
- X3 = 5 pole DIN connector

Control/Feedback

- P1 = 1k potentiometer
- P2 = 5k potentiometer
- P3 = 10k potentiometer
- R1 = cycle length control
- R3 = time delay
- R03 = 3 sec cycle time
- R30 = 30 sec cycle time
- T1 = 4-20mA servo
- T3 = 3 position

Switches

- C2 = two extra dry contact switches

example: EV353V21C2T1H1
EV series, 300inlbs, 24Vdc brushless, 100% duty, two extra switches, 4-20mA servo, heater



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