



Part turn electric valve actuator with LCD display



Part turn electric valve actuator with LCD display can be applied to the application required proportional control, and produce torque with range of 50N.m~6000N.m.AOX has 23 years of accumulation in the field of fluid control industry. According to the different inquiry of the market, we have developed a series of local control quarter turn electric actuator.

AOX has its own factory. And our good reputation is gained by the reliability and stability performance in the field of valve fluid control. Welcome to cooperate with you in the near future.



Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

E-mail: zjaox@zjaox.com



Part turn electric valve actuator with LCD display Introduction

Part turn electric valve actuator with LCD display is specially designed for modulating and open-close duty in process technology. **Supplying** the best quality electric actuators with high technology and high performance. Because our products are all over the world, we are famous for quality, stable operation and safe operation. Our Part turn electric valve actuator with LCD display, as always, continue this trend and will never change.

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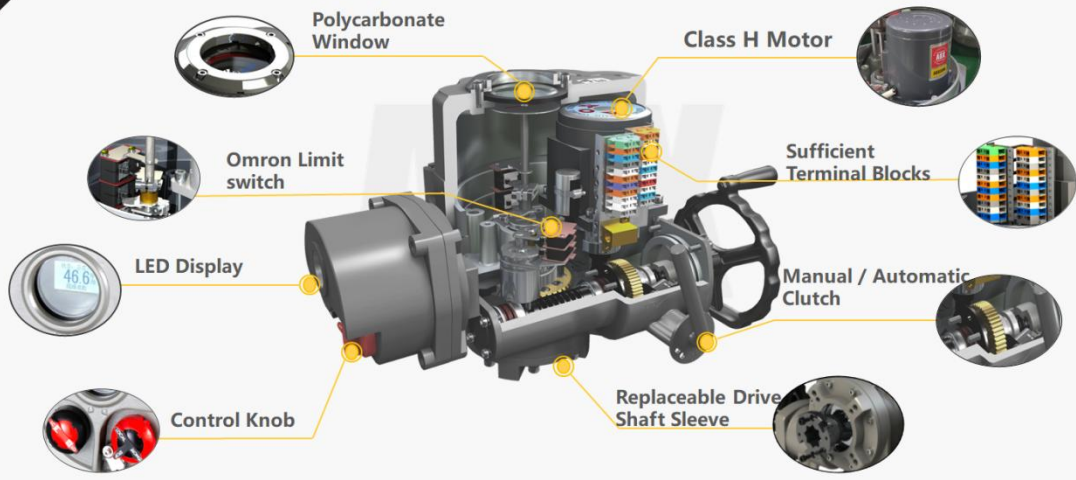
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Structural Features



Product Images





Part turn electric valve actuator with LCD display Parameter (Specification)

Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	Power	Rated Current (A)				Hand wheel Revolution	Weight
					single phase		three phases			
					110V	220V	380V	440V		
AOX-Q-005	50	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-008	80	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-010	100	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-015	150	21/25	Φ20	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-020	200	21/25	Φ20	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-030	300	26/31	Φ32	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	22
AOX-Q-050	500	26/31	Φ32	120	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	13.5	23
AOX-Q-060	600	26/31	Φ32	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	13.5	23
AOX-Q-080	800	31/37	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
AOX-Q-120	1200	31/37	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	16.5	29
AOX-Q-150	1500	78/93	Φ40	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	40.5	77
AOX-Q-200	2000	93/112	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	49.5	83
AOX-Q-300	3000	93/112	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	49.5	83
AOX-Q-400	4000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-500	5000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-600	6000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83

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Part turn electric valve actuator with LCD display Feature And Application

Torque range: 50~6000N.m

Ambient temperature: -20°C~+70°C (-40°C -60°C is optional)

Related humidity: <90% (25°C).









Manual Override: Yes

Torque switch:Close/Open, each 1

Mounting Flange (ISO 5211): F05/F07/F10/F12/F14/F16

Type of On-off Signal: Contact signal. Pulse signal

Comparison With Other Products (Eight Major Improvements)

Other manufacturers	Description	Other manufacturers	Description
	The gasket is easily deformed by temperature and other reasons, resulting in reduced sealing performance, which is not very aesthetically pleasing.		The combination of upper and lower cover adopts concave and convex structure, inner gasket O-ring, strong sealing performance, beautiful appearance, high protection level, more convenient for debugging and wiring, only need to open the upper cover
	The use of chemical adhesives may lead to ageing and water ingress due to high temperatures and pressures on site, and the plastic and glazing are easily damaged.		Convex mirror surface, no water accumulation, and continuous valve opening indication, more convenient observation, external metal, not easy to damage
	Ordinary terminal blocks, in the field of temperature difference or vibration, will cause the fastening screws to loosen, resulting in poor contact phenomenon.		The use of self-actuating pop-up terminals guarantees absolute reliability and is a symbol of high-end products.
	The gearboxes are made of plastic, and individual manufacturers use powder alloys for the gears, which are prone to wear.		The gearbox is made of 40cr, refined by three heat treatments, more solid and reliable

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ZL 2013 3 0145691.0
ZL 2013 3 0112341.4
ZL 2013 3 0112302.4



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Comparison With Other Products (Eight Major Improvements)

	Spanner not fixed to the case, easily lost		The spanner is placed on the box, so it is not easily lost on site and is easy to use
	Regulated modules have built-in, electronic components that are affected by the temperature generated during operation.		The adjustment module is mounted externally and the bare board dissipates heat better, solving the problem that the maximum temperature of the actuator is 120° C while the temperature of the electronic components of the module is only 85° C. The weak control power supply is used and the quality of the module will not be affected by the unstable voltage on site.
	The screws of other manufacturers' housings are not equipped with an anti-dislodgement function, which can easily lead to the dislodgement of the screws during maintenance when removing the housing at height.		The top cover bolts are specially designed not to come off during maintenance and installation. All external bolts are made of stainless steel and will not rust.
	Other manufacturers use M3 screws for unrealistic positioning, inaccurate, slippery threads. M3 spanners are not easy to find on site and other drawbacks.		AOX has improved the electrical cam structure by integrating the four cams into two and isolating them with a butterfly shaped bullet, topped with an anti-loosening nut, and using imported Omron travel switches.

Patent No.: ZL 2013 3 0111005.8
ZL 2013 3 0111120.5
ZL 2013 3 0111352.0



Part turn electric valve actuator with LCD display Details

1. Various output torque for AOX-Q series manual override quarter turn electric actuator from 50Nm to 6000Nm.
2. Manual override:
 - Auto / Manual switchable lever and handwheel engagement for emergency manual operation.
 - Drive force automatically resorted by motor start, unless lever padlocked to prevent this occurring.
3. Limit switches
 - It is fastened by the two screws above,the setting is simple, each cam can be set separately.
 - Once the setup is complete, each cam will always remain in this position.

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