



Small Part Turn Electric Motor Operated Valve Actuator



Summary

"AOX-R" series products small part turn electric motor operated valve actuator are used to control valves with rotation of 0 °~270 °, such as ball valves, butterfly valves, flapper valves, louver valves, etc., which can be widely used in petroleum, chemical, water treatment and other industries. It uses 380VAC/220VAC/24VDC as the driving power, and the maximum output torque can reach 5000NM.

Product Introduction of the small part turn electric motor operated valve actuator

"AOX-R" series small part turn electric motor operated valve actuator adopts potentiometer. The potentiometer is output as a feedback signal in the actuator and has three output terminals, of which pin ② is connected to the sliding arm of the potentiometer. ① When the pin is connected to the actuator open action, the resistance between the pin and the sliding arm decreases continuously at one end, while the pin ③ is connected to the sliding arm when the actuator closes action, the resistance between the pin and the sliding arm decreases continuously at one end. Use the handle to turn the valve to the fully open position, subject to the action of the limit switch. Use a multimeter to measure, and adjust the resistance of ② pin and ① pin on the terminal to 35 Ω - 60 Ω. If it is not correct, it can be adjusted by turning the potentiometer drive gear.

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: zjaox@zjaox.com



Product Parameter (Specification)of the small part turn electric motor operated valve actuator

Torque range:	30 ~ 5000NM;
Switching time:	20 ~ 200S;
Weight:	2.1 KGS ~ 68KGS
Protection grade:	IP67, (IP68 optional);
Limit switch:	2 * open / close, SPDT, 250V AC 10A;
Output flange:	bottom mounting dimension is in accordance with ISO5211 international standard;
Lubrication:	aluminum base grease (EP type);
Motor:	squirrel cage asynchronous click, insulation class H;
Related humidity:	<90%(25 °C).
Mounting Flange:	(ISO 5211)F04/F05/F07/F10/F12/F14/F16
Display Mode:	LCD, indication of opening(0-100%) and open/close fault.
Control Mode:	On-off signal control, Modulating (proportional regulation) control, Fieldbus Control etc.
Type of On-off Signal:	Contact signal. Pulse signal

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel : +86-577-59890750

Phone : +86-18967766527

Fax : +86-0577-65921296

E-mail : zjaox@zjaox.com



Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.
Local Controller:	AOX remote control(Optional)

model	Maximum output torque	actuation time	Output shaft		electrical machinery	Single-phase rated current (a)	weight
	N · M	(90°)	方 Square	深 Deep			
AOX-R-003	30	20	11×11	15.5	8	0.24	2.1
AOX-R-005	50	30	14×14	18	10	0.23	3.6
AOX-R-008	80	30	14×14	18	10	0.24	3.6
AOX-R-010	100	30	17×17	22.5	15	0.41	4.6
AOX-R-015	150	40	17×17	22.5	15	0.41	4.6
AOX-R-020	200	30	22×22	26	60	0.44	13
AOX-R-030	300	30	22×22	26	60	0.48	13.4
AOX-R-040	400	30	22×22	26	60	0.54	13.8
AOX-R-060	600	40	27×27	32.5	60	0.57	14
AOX-R-080	800	40	27×27	32.5	90	0.91	14.3
AOX-R-100	1000	40	27×27	32.5	90	1.18	14.5
AOX-R-160	1600	60	Max Φ 60	133	90	1.08	68
AOX-R-200	2000	60	Max Φ 60	133	90	1.30	68
AOX-R-300	3000	120	Max Φ 60	133	90	1	68
AOX-R-400	4000	200	Max Φ 60	133	90	0.93	68
AOX-R-500	5000	200	Max Φ 60	133	90	1	68

Option specification of the small part turn electric motor operated valve actuator

No.	Option scheme	Remark
-----	---------------	--------

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: zjaox@zjaox.com



1	Heater	AOX-R Series
2	Water-proof actuator(IP68,10M,250HR)	AOX-R Series
3	Potentionmeter unit(1k-10k)	Except AOX-R-003
4	Proportion control unit(Control signal 4-20mA DC/1-5V/10V)	AOX-R Series
5	Local control units (Local control open/stop/close optional switch, local/remote switch)	Except AOX-R-003
6	Travel 120°, 180°,270°	AOX-R Series
7	Direct current motor(24VDC)	AOX-R Series
8	Electric current position sensor (Output 4-20mA DC)	Except AOX-R-003
9	Self-reset when power failure	AOX-R Series
10	Quick opening(2.8s,5s,10s,15s)	AOX-R Series

FAQ of the small part turn electric motor operated valve actuator

Q: What payment methods your company accept?

A: We accept most of the payment methods, but mainly accept T/T, L/C, Western Union.

Q: Can we have our logo or company name to be printed on your AOX-R series water proof quarter turn electric actuators or package?

A: Sure. Your Logo could be printed on our products by sticker.

Q: How to order AOX-R series water proof quarter turn electric actuators?

A: Please send us your purchase order by Email, or we can make you proforma invoice under your request. We need to know the following information for your order before sending you PI.

- 1) Product information Quantity, Specification (Size, Material, Technological if needed and Packing requirements etc)
- 2) Delivery time required
- 3) Shipping information Company name, Street address, Phone & fax number, Destination seaport

Zhejiang Aoxiang Auto-Control Technology CO., Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: z_jaox@z_jaox.com