



Measures, Monitors and Controls
For The Process Industries

Rotary Electric Actuators

For Quarter Turn Valves

- Ball Valves
- Butterfly Valves



AEJMO Electric Rotary Actuator (On/Off or Modulating Version)



Design

The AEJMO electrical rotary actuator is a compact, powerful and reliable actuator system designed for operating quarter turn valve or other rotating devices, example damper.

Materials and components used are chosen for maintenance free operation and to ensure low thermal loading on the actuator.

The design offers many additional features that can be added to the basic device such as extra limit switches, potentiometers and emergency power.

The input signals (eg. 4-20 mA, 0-20 mA, 0-10 V) as well as the output signals can be programmed for the modulating version.

The actuator can be readily fitted to any type of ball valve, butterfly valve or other devices with the standard ISO5211 mounting interface.

Specifications

Function	On/Off or Modulating
Material	
Housing	Aluminum alloy, epoxy powder coated
Gear	Steel / aluminum bronze
Screws	Stainless steel
Indicator Cover	Polycarbonate
Shaft / Adaptor	Alloy steel
Seal	NBR
Lubrication	Aluminum based grease
Technical Data	
Power Supply	24VDC, 110VAC, 220VAC
Motor	Squirrel cage asynchronous motor
Aux Limit Switches	2 x SPST, 250VAC10A, each for Open and Close positions
Rotation	90° (± 10°) other rotation on request
Stall Protection	internal overheating thermal protection, open @ 120°C / close @ 97°C (± 5°C)*
Manual Operation	Mechanical system by allen key
Conduit Entry	2 x M18
Operating Temp	-20°C to +70°C
Ambient Humidity	Max. 90% RH
Vibration Tested	XYZ10g, 0.2~34Hz, 30 minutes
Mounting	ISO5211
Torque Output	30 Nm to 1000 Nm (2000 Nm on request)
Self-locking device	Self-locking by worm and worm gear
Options Available	
Space Heater, 7 ... 10W (110/220VAC)*	
Position Feedback Potentiometer (1K ... 10K)*	
Position Feedback Sensor with Current output (4 ... 20mA)*	
Proportional Control Unit for modulating control (input/output signal, 4 ... 20mA, 1 ... 5 VDC, 1 ... 10VDC)*	
Field control unit (Local control open/stop/close switch, Local/remote control switch)*	
Power Failure Self Reset	
Quick Opening Version	

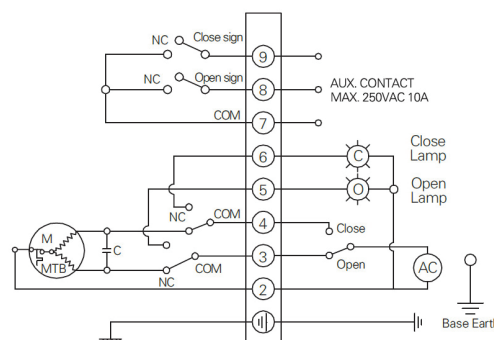
* Except JMO-03

Features

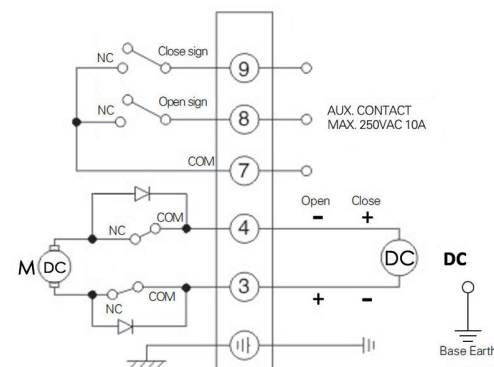
- Exquisite design, excellent performance, light weight and high output torque
- Epoxy resin and powder coated internal and external surface of enclosure for anti-corrosion protection against harsh environment
- Protection class to IP67, NEMA4 and 6
- Mounting interface to ISO5211
- Self locking worm gear structure with external adjustable mechanical limit stop
- Clear and large position indicator
- Multiple options and accessories available to meet users requirement

Electrical Wiring Diagram

AC (Single Phase) Version



DC Version

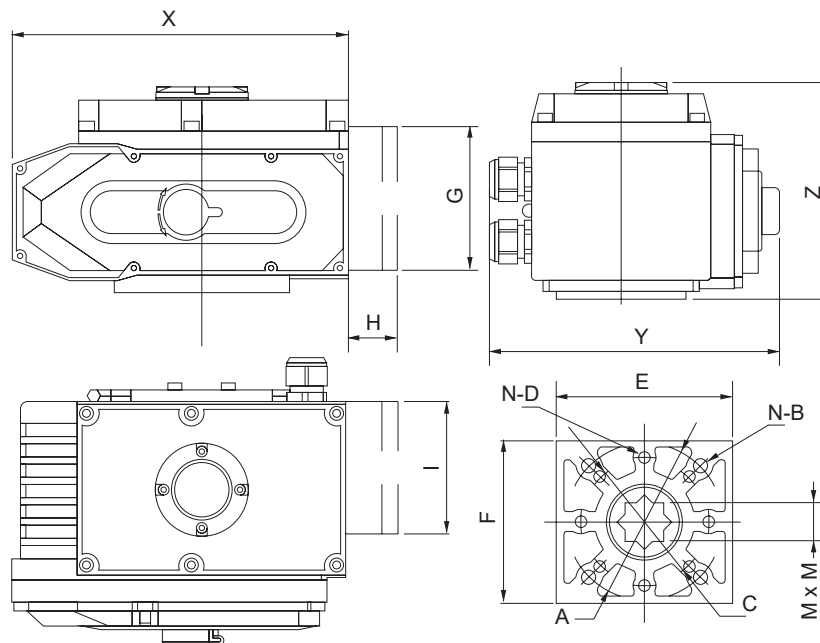


AEJMO Electric Rotary Actuator (On/Off or Modulating Version)

Technical Data and Specifications

Model	Max Output Torque (Nm)	Operating Time 90° (Sec)	Drive Shaft (mm)		Motor (W)	Rated Current (A) 220VAC/1ph	Weight (kg)
			Square	Depth			
AEJMO-003	30	10	11 x 11	15	6	0.25	2.1
AEJMO-005	50	30	14 x 14	18	10	0.25	3.5
AEJMO-008	80	30	14 x 14	18	15	0.25	3.5
AEJMO-010	100	30	17 x 17	22	25	0.35	5
AEJMO-015	150	30	17 x 17	22	30	0.35	5
AEJMO-020	200	30	22 x 22	26	40	0.48	12
AEJMO-040	400	30	22 x 22	26	60	0.92	12
AEJMO-060	600	30	22 x 22	32	90	0.92	14
AEJMO-080	800	40	27 x 27	32	130	1	14.3
AEJMO-100	1000	40	27 x 27	32	130	1	14.5
AEJMO-200	2000	On Request					

Dimension (mm)



Model	X	Y	Z	ØA	N-B	ØC	N-D	E	F	G	H	I	M x M
AEJMO-003	123	100	115	50	4-M6	36	4-M4	50	50	114	40	150	11 x 11
AEJMO-005	161	121	125	70	4-M8	50	4-M6	66	66	114	40	150	14 x 14
AEJMO-008	188	145	127	70	4-M8	50	4-M6	100	90	114	40	150	14 x 14
AEJMO-010	188	145	127	70	4-M8	50	4-M6	100	90	114	40	150	17 x 17
AEJMO-015	188	145	127	70	4-M8	50	4-M6	100	90	114	40	150	17 x 17
AEJMO-020	268	255	164	125	4-M12	102	4-M10	140	130	114	40	150	22 x 22
AEJMO-040	268	255	164	125	4-M12	102	4-M10	140	130	114	40	150	22 x 22
AEJMO-060	268	255	164	125	4-M12	102	4-M10	140	130	114	40	150	22 x 22
AEJMO-080	268	255	164	125	4-M12	102	4-M10	140	130	114	40	150	27 x 27
AEJMO-100	268	255	164	125	4-M12	102	4-M10	140	130	114	40	150	27 x 27
AEJMO-200	On Request												



Singapore Office

Anderson Eurotech Singapore Pte Ltd

1, Yishun Industrial Street 1, #08-05,

A'Posh BizHub, Singapore 768160

☎️ +65 66944233

sales@andersoneurotech.com

www.andersoneurotech.com

The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specification and materials