

KITZ

KELMO®

Electric Actuator Driven Compact Ball Valves

- KITZ Electric Actuators : EA Series
- 110~120V, 220~240V AC·50Hz/60Hz, 12V/24V DC
- Class 10K Bronze and Stainless Steel Threaded Ball Valves

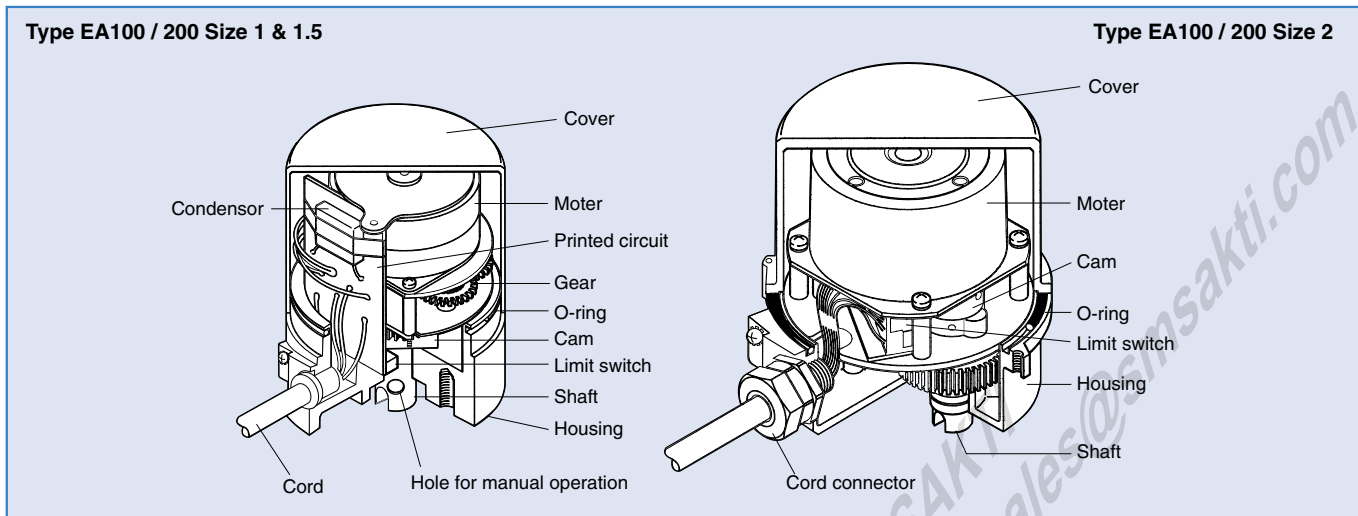


General design features

- Compact size and light weight with die-cast aluminium housing and powerful miniature motor for economy and handling ease.
- Simple mechanism with minimized number of component parts for high durability and trouble-free service.
- Free from the common concerns of conventional solenoid valves such as water hammer, pressure loss, malfunction caused by jammed valve interior, and restricted flow direction.
- All weather type design for outdoor service.
- Availability of manual operation in case of electric failure.
- Versatile applications by means of optional built-in relay circuit for parallel drive and terminal boxes.
- Safety provision to protect the motor from overheat damage caused by accidental overload.
- Factory-made actuator-to-valve assembly for off-the-shelf supply.


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KITZ KELMO® Electric Actuators



● Design specifications

Specification / Type	EA Size 1		EA Size 1.5		EA Size 2			
Power source 50/60Hz	110~120V AC	220~240V AC	110~120V AC	220~240V AC	110V AC	120V AC	220V AC	240V AC
Rated current	MAX 100mA	MAX 50mA	MAX 100mA	MAX 50mA	MAX 100mA	MAX 50mA		
Max. power consumption	12W							
Valve closing	50Hz	6 sec.	12 sec.		15 sec.			
Time (90° rotation)	60Hz	5 sec.	10 sec.		13 sec.			
Max. output torque	1.9N·m		3.9N·m		9.8N·m			
Rated time	Continuous							
Insulation class	JIS Class E							
Sensitive switch	250V AC 0.6A (Resistant load)				250V AC 3A (Resistant load)			
Contact capacity								
Position limit switch	1pce each for opening / closing (Using the source voltage)							
Insulation strength	1500V AC (1min. interval)							
Insulation resistance	Minimum 10MΩ (500V DC)							
Standard protection	Equivalent to IP56 (for outdoor use)							
Ambient temperature	-20°C to +50°C							
Mounting position	Vertical to horizontal							
Wiring	Vinyl cabtyre cord with 5 cores (700mm long)							
	0.3mm ²				0.5mm ²			
Lubrication	Grease							
Overload protection	Impedance protection							
Coating/color	Housing : black Cover : light blue							

 CAUTION	<p>Technical data published in this catalog have been developed from our design calculation, in-house testing, field reports provided by our customers and/or published official standards or specifications. They are good only to cover typical applications as a general guideline to users of KITZ products introduced in this catalog.</p> <p>For any specific application, users are kindly requested to contact KITZ Corporation for technical advice, or to carry out their own study and evaluation for proving suitability of these products to such an application. Failure to follow this request could result in property damage and/or personal injury, for which we shall not be liable.</p> <p>While this catalog has been compiled with the utmost care, we assume no responsibility for errors, impropriety or inadequacy. Any information provided in this catalog is subject to from-time-to-time change without notice for error rectification, product discontinuation, design modification, new product introduction or any other cause that KITZ Corporation considers necessary. This edition cancels all previous issues.</p>
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ISO 9001 certified since 1989

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