

Product Features and Applications

The CK50/CK70/CK90 series linear actuators (drivers) are suitable for two-way and three-way control valves of the CF and CV series (DN65 to DN200).

Model Description

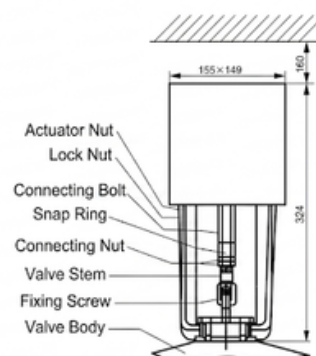
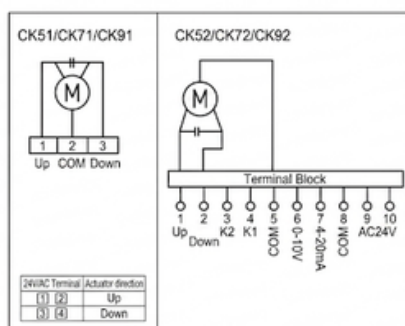
- CK51/CK71/CK91 floating status control.
- CK52/CK72/CK92 standard signal control. Capable of accepting 0~10V or 4~20mA control signal and feeding back 0~10V signal to provide proportional control.

Features

- AC24V synchronous convertible motor.
- Use a miniature position switch for position limiting.
- A nixie tube display is built inside of CK52/CK72/CK92, making debugging more visual and convenient, the control accuracy is high, and the response speed is quick.
- Fire-proof ABS plastic cover.
- Easy to mount on the site.
- Suitable for the linear travel regulating valve below 50mm.

Working Principle

The actuator is driven by a reversible synchronous motor, and the valve stem moves up or down to open or close the valve. When the valve is fully open or fully closed, a reaction force is generated on the actuator, causing the internal microswitch of the actuator to cut off power and stop working. Upon receiving a control signal, the actuator can position the valve to a specific opening degree and stably hold it at any point in the absence of a signal.



Main Performance Parameters

Model	CK51	CK71	CK91	CK52	CK72	CK92
Control type	Floating status			Proportional		
Kind of motor	Dual-way AC synchronous motor					
Working voltage and power loss	24V AC 50/60Hz 11VA			24V AC 50/60Hz 12VA		
Actuating force	1800N	2800N	4000N	1800N	2800N	4000N
Running time	170S					
Material	Gear: Stainless Steel (SS), Brass Stand: Aluminum alloy Casing: Fire-proof ABS engineering plastic					
Ambient temperature	In operation: -5 to +55℃			In storage: -20 to +65℃		
Max. RH	92% without dewing					
Accessories	Locking nut, Scale, Scale indicator,Semi-round jamming spring					
Control signal	24V/AC			0-10V or 4-20mA		
Feedback signal	None			0-10V		