

## EVAM(O) series of Electric Control Valve Actuators



### Summary

The EVA series is non-spring return, synchronous motor-driven reversible actuators are available for 3 point (floating) or with electric positioned for 0 – 10V control. The factory calibrated pressure switches to provide specified close-off ratings.

These actuators are available in four sizes with 500N, 1000N, 1800N and 3000N nominal force and can be used with flanged valves according to maximum close-off pressure ratings specified.

### EVAM(O)62-05 Electric Control Valve Actuators

EVAM62-05, accepting 0~10VDC or 0~20mA DC control signal and providing proportional control  
 EVAO62-05, providing incremental control, assembled with reversible motor.

### Specifications

Model	EVAO62-05	EVAM62-05
Action	Reversible	Direct or reverse
Control	Incremental	Proportional
Input signal		0~10V , 2~10V ; 0~20mA , 4~20mA
Output signal		0~10V , 2~10V ; 0~20mA , 4~20mA
Motor	Synchronic and reversible	
Rating	24VAC 50/60Hz	2.4W
Consumption		2W
Force	500 N	
Material	Gear: stainless steel, nylon Bracket: galvanized steel plate Stand: die cast aluminum Cover: ABS engineering plastics	
Protection	IP42	
Full stroke time	10mm stroke is 100s( frequency 50HZ) 10mm stroke is 85s( frequency 60HZ)	
Actuator Max. Stroke	20mm	
Ambient temp.	Operation: -15 ~ 55°C Storage: -20 ~ 65°C	
Relative humidity	Non condensing	90% non condensing
Net weight	0.66Kg	0.72Kg

## Product Application Reference Electric Control Valve Actuators

### EVAM(O)62-10 Electric Control Valve Actuators



#### Specifications

Model	EVAM62-10	EVAO62-10
Action	Direct or reverse	reversible
Control	Proportional	incremental
Input signal	0~10VDC、2~10VDC Or 0-20mA、4-20mA	0-10VDC
Output signal	0~10VDC、2~10VDC Or 0-20mA、4-20mA	0-20 (4-20)mA
Motor	Synchrionic and reversible	Synchrionic and reversible
Rating	24VAC 50/60Hz	24VAC 50/60Hz 2.4W
Consumption	7.5W	7.5W
Max stroke	20mm	20mm
Force	1000 N	500N, 1000N, 1800N, 3000N
Material	Gear: stainless steel, nylon Cradle: galvanized steel plate Stand: die cast aluminum Cover: ABS engineering plastics	Gear: nylon Support base: galvanized steel Yoke: die cast aluminum Cover: ABS
Protection	IP42	EVAO62-10 : IP42 S6062-1800N/3000N : IP54
Running Speed(s/ mm)	4(50Hz)	4(50Hz)
Ambient temp.	Operation: -15 ~ 55oC Storage: -20 ~ 65oC	Operation:-10 - 60°C Storage: -10 - 60°C
Relative humidity	EVAM62-10: 90% non condensing	0-90% RH, non condensing
Net weight	1.03 kg	1.03 kg

### EVAM(O)62-18/30 Electric Control Valve Actuators



#### Two models

- EVAM62-18/30 accepting 0~10V and 2~10V or 0~20mA and 4~20mA DC control signal and providing proportional control
- EVAO62-18/30, providing incremental control, assembled with reversible motor

#### Features

- The force of EVAM62-18/EVAO62-18 is 1800N; the force of EVAM6230/EVAO6230 is 3000N.
- Action is done through gear. Central gear adopts roller that rotate around center shaft.
- Direct-stroke pointer
- Circuit shall put off about 10 seconds when actuator reaches limit position to make sure under an open/closed status.

#### Attentions

- When it is normal-temperature medium, grease on actuator should be changed every 3 months (e.g. water).
- When it is high-temperature medium, grease on actuator should be changed every 30 days.
- Actuator should be protected from dipping water that could enter the housing and damage mechanism or motor.  
Actuator must not be covered with insulating material.
- Do not touch or disconnect wires when power is turned on.

※ CE Compliance EMC (89/336/EEC) according to the standard EN60730-2-18:1999.

## Product Application Reference Electric Control Valve Actuators

### Specifications

Model	EVAO6218	EVAM62-18	EVAO62-30	EVAM6230
Action	Reversible	Direct or reverse	Reversible	Direct or reverse
Control	Incremental	Proportional	Incremental	Proportional
Control signal		0~10V,2~10V; 0~20mA, 4~20mA	0~10V,2~10V; 0~20mA, 4~20mA	
Power supply	AC24V 50Hz/60Hz			
Force	1800N		3000N	
Consumption	12W			
Running time	39mm running time is 180s			
Max stroke	42mm			
Material	Gear: stainless steel or Brass Stand: Aluminum Bracket: Aluminum Cover: Aluminum			
Protection	IP54			
Ambient temperature	Working: -15 ~ +55°C Stocking: -20 ~ +65°C			
Net weight	3.8 Kg/4.2Kg	4.4Kg/4.8Kg	3.9 Kg/4.3Kg	4.5 Kg/4.9Kg
Operation	Auto / Manual			

Notice: The whole processing only need to be connected 24VAC power supply, it is no matter with the input/output single.

Warning: Every time for inputting or outputting single range need to be repeat the self daptation process.

### Manual Operation for EVAM62-18/30M

- Turn off the power supply switch of actuator
- Take up the manual button
- contrarotating manual button make the actuator shaft going down, anticlockwise manual button make the actuator shaft going up.
- Finish the process for adjusting, push the manual button
- Turn on the power supply switch of actuator

### Ordering code

#### EVA X 62 -XX X

