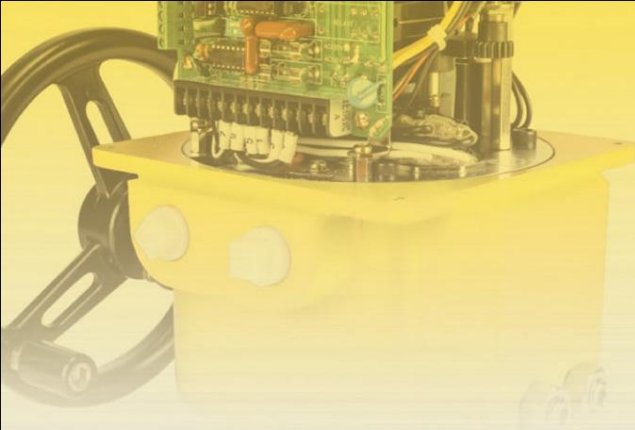




藥泓企業股份有限公司
JEN HORNG CO., LTD.



電動驅動器 · 流體自動控制專用
Electric Actuator · Fluid Automatic Control

水、空氣、蒸氣、輕/重油、瓦斯、真空、具腐蝕性等流體
water, air, steam, light oil, Heavy oil, gas, vacuum, Corrosive fluid, etc

流體自動控制專用
Fluid Automatic Control

電動驅動器



Electric Actuator



JEN HORNG CO., LTD.

No.50-2, Ln. 320, Sec. 1, Shatian Rd., Dadu Dist.,
Taichung City 432, Taiwan(R.O.C.)
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FAX: 886-4-2693-6352
Email: jh.net168@msa.hinet.net
www.jenhorng.com



EAGLESKY CO., LTD.

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TEL: 886-4-2693-3688
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Email: eaglesky@hibox.hinet.net
www.eaglesky1286.com

**SUZHOU YEAMEEI AUTOMATIC
CONTROL VALVE EQUIPMENT CO., LTD.**

Continental 251 Town, Kiangsu Province,
Pakistan into a given road (China)
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FAX: 86-512-57787722
Email: mark@ksyamei.com
www.ksyamei.com

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Email: mark@ksyamei.com
www.ksyamei.com

www.design89.com.tw / 201510



CE IP67
UL 429 216806 ISO 9001

簡介 Introduction

- 葵泓公司專業設計，生產高性能的電動閥門及耐高溫風門執行機構，為您在閥門自動化領域提供最合理的解決方案。
- JH系列角行程電動執行機構是我們綜合多年在自動化領域工作經驗的研究成果推出產品，外形緊湊，結構堅固，性能可靠，能實現複雜多樣的控制系統。
- 葵泓公司時刻準備為您提供高品質的電動執行機構，氣動執行機構和附件以及優質的服務。
- JEN HORNG controls designs, produces and provides high quality high temperature actuators and services related to valve automation.
- Our long years experience in the automation field enables us to launch our JH series electric actuator which has compact size, robust construction, reliable performance and ability to integrate fully into sophisticated control systems.
- JEN HORNG controls is always ready to provide you with our JH series electric actuator, ES series pneumatic actuator, and accessories, with quality service.

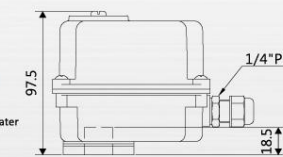
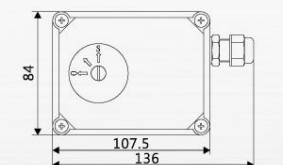
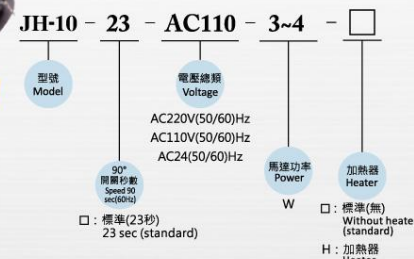
90度旋轉電動驅動器 90Degree Rotary Electric Actuator

產品特性 Product Characteristics

- **外殼：**
防水級數IP67(水下一米，30分鐘)，可適用戶外各種環境。殼罩部份使用耐高溫、耐撞擊等特性之鋁合金。耐酸鹼部份可做3~5道漆塗層或EPOXY 1道塗層(選購)。
- **馬達：**
體積小、低耗電、大扭力。
全系列馬達絕緣等級為F級。
AC馬達內部標準均配有過熱保護裝置，有效避免馬達過熱故障。
- **開度指示：**
全系列電動驅動器產品均在頂部配有機械式指針開度指示器。
也可經由配線至控制箱，由指示燈顯示開度位置。
- **手動裝置：**
全系列電動驅動器均配有手動裝置，提供停電時操作，可使用扳手或是手輪操作(依型號有所不同)。
- **閥體銜接座：**
直接鎖入組合需符合ISO 5211規範。
不符合ISO 5211規範或使用蒸汽、高溫流體時，需採用托架式連接組合。
- **工作條件：**
環境溫度：-10℃~60℃
濕度：30%~95%
- **特殊電壓：**
例：三相220V / 380V / 440V等，可依客戶需求訂製(JH-150起)
- **Enclosure:**
IP67 rated waterproof and dustproof enclosure. The enclosure is made of Aluminum enclosure which can resist against heat and alkali. For resist against acid, can do plating 3~5 layers or epoxy 1 layer is optional.
- **Motor:**
It is small, low consumption, and has large torque. The insulation class of all models is F class. There is overheating protection device in the motor, which can protect the motor from overheating.
- **Position Indicator:**
All models have a constant mechanical position indicator on the top of the actuator cover to indicate the position of the valve. It can also be wired to the control box, and it will show the opening position via indicator signal.
- **Manual Override Device:**
There are manual override device in the electric actuator, which is used when the power supply is cut. You can use wrench or hand wheel to adjust.
- **Flange/Mounting Type(ISO 5211):**
JH-10 to JH-3500 provides direct mounting on ISO 5211 valves. If the valve doesn't apply with ISO 5211, the fluid is steam or other high temperature fluid, it needs to use the mounting kit to mount the electric actuator and valve.
- **Working condition:**
Ambient temperature: -10℃~60℃
The Humidity: 30%~95%
- **Special Voltage:**
For example: three-phase voltage 220V/380V/440V is available. (Start from JH-150.)

產品尺寸 Product Model

JH-10



mm

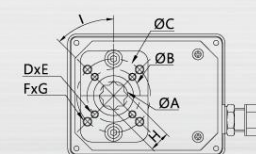
型號 Model	A	B	C	D	E	F	G	H Max	I	ISO 5211
JH-10	19.3	36	50	M5	4	M6	4	14.03	45°	F03 / F05

● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07

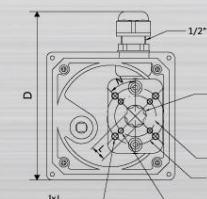
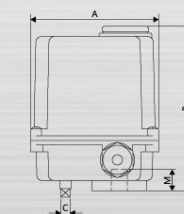
inch

型號 Model	A	B	C	D	E	F	G	H Max	I	ISO 5211
JH-10	0.76	1.42	1.97	M5	4	M6	4	0.55	45°	F03 / F05

● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07



JH-40



mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	N	ISO 5211
JH-40	118	145	8	140	19.3	36	M5	4	M6	4	50	14.03	19	45°	F03 / F05

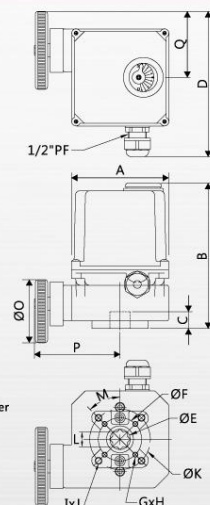
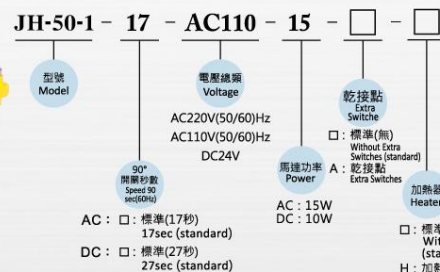
● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	N	ISO 5211
JH-40	4.65	5.71	0.31	5.51	0.76	1.42	M5	4	M6	4	1.97	0.55	0.75	45°	F03 / F05

● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07

JH-50-1



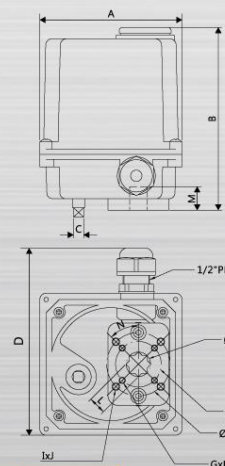
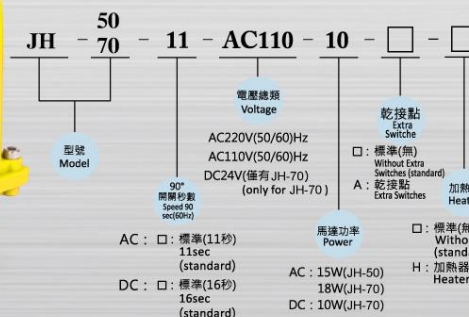
mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	O	P	Q	ISO 5211
JH-50-1	117	185	19.2	148	23.5	50	M6	4	M8	4	70	17.03	45°	90	100	76	F05 / F07

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	O	P	Q	ISO 5211
JH-50-1	4.61	7.28	0.76	5.83	0.93	1.97	M6	4	M8	4	2.76	0.67	45°	3.54	3.94	2.99	F05 / F07

JH-50 . JH-70



mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	N	ISO 5211
JH-50 JH-70	118	145	8	140	19.3	36	M5	4	M6	4	50	14.03	19	45°	F03 / F05

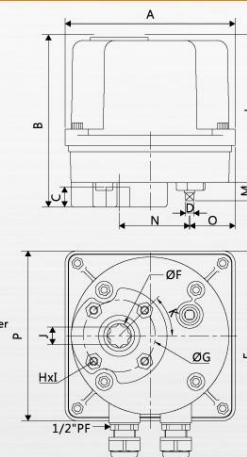
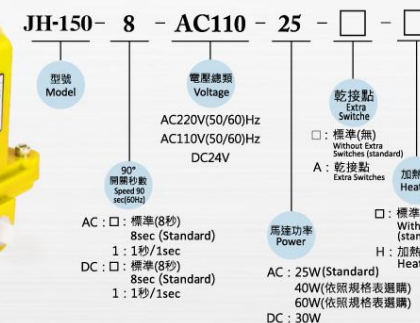
inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L Max	M	N	ISO 5211
JH-50 JH-70	4.65	5.71	0.31	5.51	0.76	1.42	M5	4	M6	4	1.97	0.55	0.75	45°	F03 / F05

● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07

● 固定片另有ISO 5211 F04、F05 / F07可供選擇
Optional: ISO5211 F04, F05/F07

JH-150



mm

型號 Model	A	B	C	D	E	F	G	H	I	J Max	K	L	M	N	O	P	ISO 5211
JH-150	165	172	20	8	203	23.5	70	M8	4	17.05	45°	148	17.3	68.4	44.2	165	F07

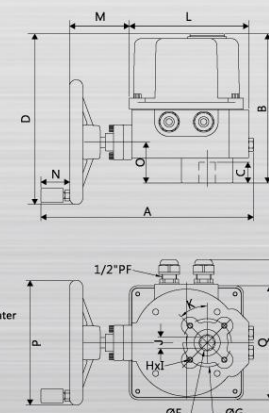
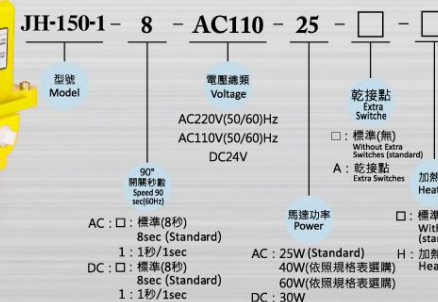
● 比例式及DC電動驅動器高度需增加26mm
For modulating series and DC voltage, B + 26mm.

inch

型號 Model	A	B	C	D	E	F	G	H	I	J Max	K	L	M	N	O	P	ISO 5211
JH-150	6.5	6.77	0.79	0.31	7.99	0.93	2.76	M8	4	0.67	45°	5.83	0.68	2.69	1.74	6.5	F07

● 比例式及DC電動驅動器高度需增加1.12 inch
For modulating series and DC voltage, B + 1.12inch.

JH-150-1



mm

型號 Model	A	B	C	D	E	F	G	H	I	J Max	K	L	M	N	O	P	Q	ISO 5211
JH-150-1	310	218	30	249	203	23.5	70	M8	4	17.05	45°	173	87	42	59	180	165	F07

● 比例式及DC電動驅動器高度需增加26mm
For modulating series and DC voltage, B + 26mm.

inch

型號 Model	A	B	C	D	E	F	G	H	I	J Max	K	L	M	N	O	P	Q	ISO 5211
JH-150-1	12.2	8.58	1.18	9.8	7.99	0.93	2.76	M8	4	0.67	45°	6.81	3.43	1.65	2.32	7.09	6.5	F07

● 比例式及DC電動驅動器高度需增加1.12 inch
For modulating series and DC voltage, B + 1.12inch.

JH-350



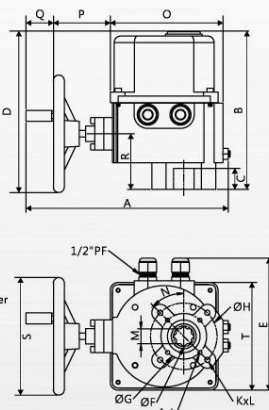
JH-350 - 20 - AC110 - 25 - □ - □

型號
Model電壓總類
Voltage乾接點
Extra Switch加熱器
Heater

AC220V(50/60)Hz
AC110V(50/60)Hz
DC24V

90°
開關秒數
Speed 90
sec(90Hz)

AC : □ : 標準(30秒)
30sec (Standard)
20 : 20秒/20sec
DC : □ : 標準(30秒)
30sec (Standard)
20 : 20秒/20sec

馬達功率
PowerAC : 25W
DC : 30W□ : 標準(無)
Without Extra
Switches (standard)A : 乾接點
Extra Switches□ : 標準(無)
Without heater
(standard)H : 加熱器
Heater

mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	ISO 5211
JH-350	310	244	30	249	203	30.6	70	102	M8	4	M10	4	22.05	45°	173	87	42	85	180	165	F07 / F10

●比例式及DC電動驅動器高度需增加26mm
For modulating series and DC voltage, B + 26mm.

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	ISO 5211
JH-350	12.2	9.61	1.18	9.8	7.99	1.2	2.76	4.02	M8	4	M10	4	0.87	45°	6.81	3.43	1.65	3.35	7.09	6.5	F07 / F10

●比例式及DC電動驅動器高度需增加1.12 inch
For modulating series and DC voltage, B + 1.12inch.

JH-500 . JH-600



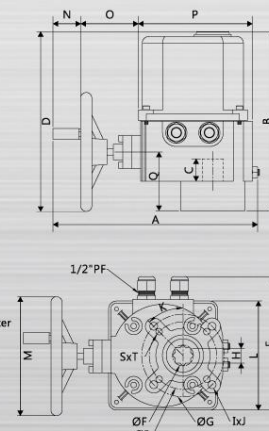
JH - 500 - 30 - AC110 - 40 - □ - □

型號
Model電壓總類
Voltage乾接點
Extra Switch加熱器
Heater

AC220V(50/60)Hz
AC110V(50/60)Hz
DC24V(僅有JH-600)

90°
開關秒數
Speed 90
sec(90Hz)

AC : 30秒/30sec
DC : 30秒/30sec

馬達功率
PowerAC : 40W : JH-500
60W : JH-600
DC : 65W(僅有JH-600)□ : 標準(無)
Without Extra
Switches (standard)A : 乾接點
Extra Switches□ : 標準(無)
Without heater
(standard)H : 加熱器
Heater

mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	ISO 5211
JH-500 JH-600	310	276	34	274	203	36.5	125	27.05	M12	4	45°	165	180	42	87	173	92	102	M10	4	F10 / F12

●DC電動驅動器高度需增加31mm
For DC voltage, B + 31mm.

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	ISO 5211
JH-500 JH-600	12.2	10.87	1.34	10.79	7.99	1.44	4.92	1.06	M12	4	45°	6.5	7.09	1.65	3.43	6.81	3.62	4.02	M10	4	F10 / F12

●DC電動驅動器高度需增加1.22 inch
For DC voltage, B + 1.22inch.

JH-900 . JH-1350 . JH-1500



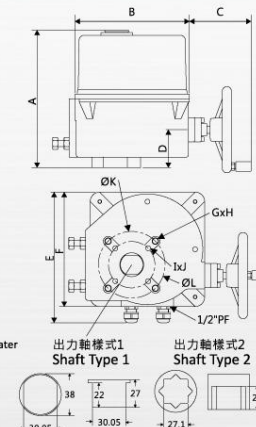
JH - 900 - 30 - AC110 - 100 - □ - □

型號
Model電壓總類
Voltage乾接點
Extra Switch加熱器
Heater

AC220V(50/60)Hz
AC110V(50/60)Hz
DC24V(僅有JH-900)

90°
開關秒數
Speed 90
sec(90Hz)

AC : 37秒/37sec: JH-900
52秒/52sec: JH-1350
65秒/65sec: JH-1500
DC : 36秒(僅有JH-900)
36sec(Only for JH-900)

馬達功率
PowerAC : 100W
DC : 100W(僅有JH-900)□ : 標準(無)
Without Extra
Switches (standard)A : 乾接點
Extra Switches□ : 標準(無)
Without heater
(standard)H : 加熱器
Heater

mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	ISO 5211
JH-900 JH-1350 JH-1500	289	240	132	80	275	240	M16	4	M10	4	102	140	F10 / F14

●JH-900 DC電動驅動器高度需增加54mm
JH-900: For DC voltage, A + 54mm.

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	ISO 5211
JH-900 JH-1350 JH-1500	11.38	9.45	5.2	3.15	10.83	9.45	M16	4	M10	4	4.02	5.51	F10 / F14

●JH-900 DC電動驅動器高度需增加2.13 inch
JH-900: For DC voltage, A + 2.13inch.

JH-3500



JH-3500 - 143 - AC110 - 100 - □ - □

型號
Model電壓總類
Voltage乾接點
Extra Switch加熱器
Heater

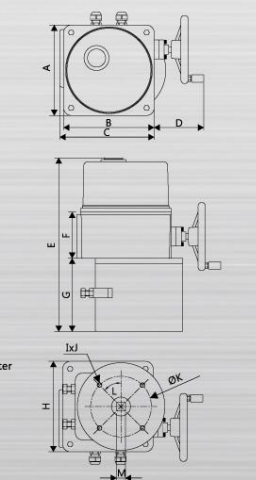
AC220V(50/60)Hz
AC110V(50/60)Hz

90°
開關秒數
Speed 90
sec(90Hz)

AC : 143秒
143sec

馬達功率
Power

AC : 100W

□ : 標準(無)
Without Extra
Switches (standard)A : 乾接點
Extra Switches□ : 標準(無)
Without heater
(standard)H : 加熱器
Heater

mm

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M(客製) (Customization)	ISO 5211
JH-3500	240	240	250	132	475	123	194	240	M20	4	165	45°	27.1~36.1	F16

inch

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M(客製) (Customization)	ISO 5211
JH-3500	9.45	9.45	9.84	5.2	18.7	4.84	7.64	9.45	M20	4	6.5	45°	1.07~1.42	F16

比例式 JHD Modulating Series

產品特色 Product Features

- DIP SWITCH切換，可提供4~20mA或2~10VDC訊號輸入方式
其他輸入訊號或輸出訊號可依客戶需求做調整，如0~10V、0~5V、0~20mA等
- 標準皆備有濾波器，可降低EMI及EMC影響
- 輸出訊號可調整，使輸出訊號達到1mA以內誤差
- DIP switch provides 4~20mA or 2~10VDC modes.
Other input and output signals can be adjusted according to customer's requirement. EX:0~10VDC, 0~5VDC, 0~20mA.
- All modulating series have filter to lower the impact of EMI and EMC.
- The output signal can be adjusted to control the error within 1mA.



電氣輸入說明 Electrical Input Indication

- **入力電源：**
單相電源AV100V~120V / AC200V~250V 50 / 60Hz DC24V
※三相電源AC220V / AC380V / AC440V 電壓可另訂製
※其他特殊電壓
- **輸入訊號(標準)：**
4~20mA
2~10VDC
- **輸出訊號：**
4~20mA
1~5VDC、2~10VDC (擇一選擇)
其他：輸入或輸出訊號可依客戶需求做調整。
如：0~10VDC、1~5VDC、0~20mA
- **Power supply:**
Single-phase power AC110V~120V/AC200V~250V 50/60Hz DC24V
※ 3-phase power AV220V/AC380V/AC440V
※ The voltage can be customized.
- **Input Signal (Standard):**
4~20mA
2~10VDC
- **Output Signal:**
4~20mA
1~5VDC、2~10VDC(choose one)
※ input and output signal can be adjusted according to customer's requirement.
Ex:0~10VDC、1~5VDC、0~20mA

選購項目 Optional Items

乾接點(不帶電微動開關) Extra Switches



標準即配有全開及全關定位控制微動開關，可加裝2只微動開關做乾接點使用

Our electric actuators are all equipped with one set(2 microswitches). You can choose one more set(2 microswitches)as extra switches.

VR組(VR可變電阻) Variable Resistance



安裝可變電阻可回授開關指示訊號
Variable resistance serves the function in signal feedback.

電阻式加熱器含過熱保護器 Heater(including thermal protector)



加熱器可使驅動器內部溫度提升並乾燥，以避免溫度過低時，齒輪等機件潤滑油結凍或是濕氣造成機件故障，並配有過熱保護器，當加熱器加熱至一定溫度時會保持溫度，當超過溫度時，則過

熱保護器啟動，避免溫度過高。

※環境溫度高於35°C / 95°F則不建議加裝

Heater can make inside temperature of electric actuator higher and dryer to prevent from the damage to the electric actuator caused by the frozen of lube oil or the moisture. It also has the function of thermal protector.

When the temperature of heater is over the maximum, the thermal protector will turn on to lower the temperature.

※It's recommended not to install the heater when the temperature is over 35°C/95°F.

比例式 JHD Modulating Series



可藉由輸入訊號控制驅動器之開度，同時搭配電位計作訊號輸出，讓控制人員掌握閥門之開度狀況。

The modulating series can control the opening of electric actuator via input signal, and it has output signal with potentiometer. It can help staff control the opening of electric actuator.

直線拉升 JHB Series(Vertical Direct-operating Type)

產品概要 Product Introduction

藥泓之直線拉升型驅動器，開關速度平穩，眾多規格可供選擇，可與球型閥、熱煤閥、閘閥、閘刀閥等直線拉升之裝置使用，可應用HVAC(空調)、固態流體(如：造紙廠)及高溫、高壓的流體環境下使用。

有別於一般傳統旋轉拉升式開關速度緩慢，直接拉升式速度較快約只有1/8的開關速度。

The opening speed of JHB series (vertical direct-operating type) electric actuator is smooth. It can be used with globe valve, bellows valve, gate valve, knife-Gate Valves. It can be applied in HVAC, and solid fluid, or in the environment of high temperature or high pressure fluid. The opening speed of JHB series (vertical direct-operating type) is 1/8 faster than JHB series (vertical rotary-operating type).



產品特色 Product Features

- JHB電動閘閥適用在高溫、高壓流體下使用
- JHB電動閘刀閥可使用在黏度指數較高流體(例：紙漿)
- 馬達均裝有過熱保護器
- 殼罩使用耐碰撞之鋁合金及鋁合金鑄造本體耐用性佳且防水防腐
- 電動驅動器頂部視窗均配有機械指針式開度指示器提供精確的閥門位置
- 具手動裝置提供無電力輸入時使用
- 低能源消耗

- JHB electric gate valve can be used in the environment of high temperature or high pressure fluid
- JHB electric gate valve - electric knife-gate valves can be used in the fluid which has high viscosity index. (Ex: pulp.)
- All motors have thermal protector.
- The enclosure is made of aluminum or aluminum casting which has purpose of waterproof and dustproof.
- All models have a constant mechanical position indicator on the top of actuator cover to indicate the valve's position.
- There are manual override device in the electric actuator, which is used when the power supply is cut.
- Low consumption

產品特性 Product Characteristics

- **電動驅動器外殼：**
IP67：防水防塵等級(水下一米30分鐘)；全系列產品主體使用鋁合金鑄造成型；殼罩部份使用耐高溫、耐撞擊等特性之鋁合金。耐酸鹼部份可做3~5道漆塗層或EPOXY 1道塗層(選購)。
- **馬達：**
體積小、低耗電、大扭力；全系列馬達絕緣等級為F級；AC馬達內部標準均配有過熱保護裝置，有效避免馬達過熱故障。
- **開度指示：**
所有型號視窗皆備有機械型指針開度指示器，讓客戶能夠容易判別閥門開關位置
- **手動裝置：**
全系列電動驅動器均配有手動裝置，提供停電時操作，可使用手輪操作。
- **工作條件：**
環境溫度：-10°C~60°C；濕度：30%~95%
- **入力電源：**
單相電源AV110V / AC220V 50 / 60Hz DC24V
※三相電源AC220V / AC380V / AC440V 特殊電壓可另訂製
- **比例式控制**
可加裝比例式控制，可藉由輸入訊號控制驅動器之開度，同時搭配電位計作訊號輸出，讓控制人員掌握閥門之開度狀況。

- **Enclosure:**
IP67: 30 minutes; immersion at depth of at least 1 m measured at bottom of device.
The main body of all types is made of aluminum casting. The enclosure is made of Aluminum enclosure which can resist against heat and alkali. For resist against acid, can do plating 3~5 layers or epoxy 1 layer is optional.
- **Motor:**
It is small, low consumption, and has large torque. The insulation class of all models is F class. There is overheating protection device in the motor, which can protect the motor from overheating.
- **Position Indicator:**
There is mechanical position indicator in all types of electric actuator, and it can show the exact position of the valve.
- **Manual Override Device:**
There are manual override device in the electric actuator, which is used when the power supply is cut. You can use hand wheel to adjust.
- **Working condition:**
Ambient temperature: -10°C ~ 60°C
The Humidity: 30%~95%
- **Power supply:**
Single-phase power AC110V~120V/AC200V~250V 50/60Hz DC24V
3-phase power AC220V/AC380V/AC440V
The voltage can be customized.
- **JHD modulating series controller**
It can install the modulating controller, which can control the opening of electric actuator via input signal, and it has output signal with potentiometer. It can help control staff control the opening of electric actuator.

適用閥體尺寸 Valve application

- 適用上升及下降動作之閥體：
熱煤閥：3"~4" / 閘閥：3"~12" / 球型閥：3"~12" / 閘刀閥：3"~12"
- 有效行程：
20mm~250mm
- 其他特殊規格，可客製製作

- It is suitable for the valve with up and down movement:
Bellows valve: 3"~4" / Gate valve: 3"~12" / Globe valve: 3"~12"
Knife-Gate Valves: 3"~12"
- Effective travel:
20mm~250mm
- Other special standard can be customized.

旋轉拉升 JHB Series (Vertical Rotary-operating Type)

產品概要 Product Introduction

葵泓之直接旋轉型驅動器，開關速度平穩，眾多規格可供選擇，可與球型閥、熱煤閥、閘閥、閘刀閥等直線拉升之裝置使用，可應用HVAC(空調)、固態流體(如：造紙廠)及高溫、高壓的流體環境下使用。

Our rotating-pull type electric actuator can be used with globe valve, bellows valve, gate valve, knife-Gate Valves. It can be applied in HVAC, and solid fluid, or on the environment of high temperature, high pressure fluid.



產品特色 Product Features

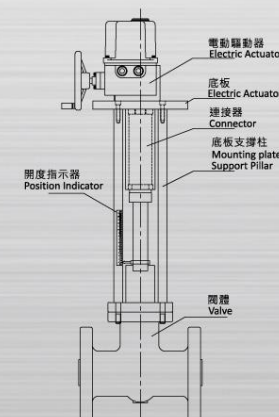
- JH電動閘閥適用在高溫、高壓流體下使用
- JH電動閘刀閥可使用在黏度指數較高流體(例：紙漿)
- 馬達均裝有過熱保護器
- 防水級數IP67(水下一米，30分鐘)，可適用戶外各種環境。
殼罩部份使用耐高溫、耐撞擊等特性之鋁合金。耐酸鹼部份可做3~5道漆塗層或EPOXY 1道塗層(選購)。
- 外部連桿裝有機械式位置指示，提供精確的閘門位置
- 低能源消耗
- 具手動裝置提供無電力輸入時使用
- JHB- electric gate valve can be used in the environment of high temperature or high pressure fluid
- JHB- electric knife-gate valves can be used in the fluid which has high viscosity index. (Ex: pulp.)
- All motors have thermal protector.
- IP67 rated waterproof and dustproof enclosure.
The enclosure is made of Aluminum enclosure which can resist against heat and alkali. For resist against acid, can do plating 3~5 layers or epoxy 1 layer is optional.
- There are mechanical opening indicators in external connecting rod, and it can show the exact position of the valve.
- Low consumption
- There are manual override device in the electric actuator, which is used when the power is cut.

產品特性 Product Characteristics

- **電動驅動器外殼：**
防水級數IP67(水下一米，30分鐘)，可適用戶外各種環境。殼罩部份使用耐高溫、耐撞擊等特性之鋁合金。耐酸鹼部份可做3~5道漆塗層或EPOXY 1道塗層(選購)。
- **馬達：**
體積小、低耗電、大扭力；全系列馬達絕緣等級為F級；AC馬達內部標準均配有過熱保護裝置，有效避免馬達過熱故障。
- **開度指示：**
所有型號備有連續機械式開度指示，由外部傳動桿開度指示可讓客戶更容易判斷閘門開度。
- **手動裝置：**
全系列電動驅動器均配有手動裝置，提供停電時可使用手輪操作。
- **工作條件：**
環境溫度：-10°C~60°C；濕度：30%~95%
- **入力電源：**
單相電源AV110V / AC220V 50 / 60Hz DC24V
※三相電源AC220V / AC380V / AC440V 等特殊電壓可另訂製
- **比例式控制**
可加裝比例式控制，可藉由輸入訊號控制驅動器之開度，同時搭配電位計作訊號輸出，讓控制人員掌握閘門之開度狀況。
- **Enclosure:**
IP67 rated waterproof and dustproof enclosure. The enclosure is made of Aluminum enclosure which can resist against heat and alkali. For resist against acid, can do plating 3~5 layers or epoxy 1 layer is optional.
- **Motor:**
It is small, low consumption, and has large torque. The insulation class of all models is F class. There is overheating protection device in the motor, which can protect the motor from overheating.
- **Position Indicator:**
All models have a constant mechanical position indicator on the top of the actuator cover to indicate the position of the valve. It can also be wired to the control box, and it will show the opening position via indicator signal.
- **Manual Override Device:**
There are manual override device in the electric actuator, which is used when the power supply is cut. You can use hand wheel to adjust.
- **Working condition:**
Ambient temperature : -10°C~60°C
The Humidity : 30%~95%
- **Power supply:**
Single-phase power AV110V / AC220V 50 / 60Hz DC24V
※ 3-phase power AC220V / AC380V / AC440V
The voltage can be customized.
- **JHB modulating seriescontroller**
It can install the JHB modulating seriescontroller, which can control the opening of electric actuator via input signal, and it has output signal with potentiometer. It can help control the opening of electric actuator.

適用閥體尺寸 Valve application

- 適用上升及下降動作之閥體：
熱煤閥：3"~4"~2 1/2" / 閘閥：1 1/2"~6"
球型閥：1 1/2"~6" / 閘刀閥：2"~6"
- 有效行程：
20mm~250mm
- 其他特殊規格，可客製製作
- It is suitable for the valve with up and down movement:
Bellows valve : 3"~4"~2 1/2" / Gate valve : 1 1/2"~6" /
Globe valve : 1 1/2"~6" / Knife-Gate Valves : 2"~6"
- Effective travel:
20mm~250mm
- Other special standard can be customized.



產品規格 Product Specification

型號 Models	馬達功率 Power	360°旋轉(60Hz) 1圈時間(sec) Speed 360 sec(60Hz)	扭力值(±5%) kgf-cm AC110V Torque(5%) kgf-cm 110V	扭力值(±5%) kgf-cm AC220V Torque(5%) kgf-cm 220V	空載運轉電流(60Hz) No-load current consumption	
					100V~120V	200V~250V
JHB	25W	9	950	950	0.5A	0.5A
	40W	9	1150	1150	0.9A	0.5A
	60W	9	1450	1450	0.9A	0.5A

頻繁及復歸 Frequent-Working and Failsafe Electric Actuator

產品概要 Product Introduction

電動驅動器可加裝功能，頻繁式、斷電復歸式、頻繁式斷電復歸，使用DC直流馬達可有效動作不須擔心馬達過熱之問題，多種電壓控制方式可供客戶選擇。

本公司之驅動器產品是低耗電、體積小、高扭力之電動驅動器，整體殼罩接縫均有防水封件，並通過IP67認證(水下一米、30分鐘)，可適用於屋外型。

電動驅動器開閉速度平穩，能有效避免水槌現象，以增加管件壽命。

本產品已獲得中華民國新型專利，專利號M473005。

There are some optional functions that can be added like frequent-working, failsafe, frequent-working failsafe functions. We provide the DC motor that would not be overheated. Optional voltage control, small, low consumption, and has large torque. Access to IP67 certification (30 minutes; immersion at depth of at least 1 m measured at bottom of device), installation outdoor would be accepted. The switching speed is smooth, and it can avoid the water hammer. This product has acquired utility patent "M473003".



可安裝型號 Applicable Model

型號 Models	馬達功率 Power	90°旋轉 開關時間(sec) Speed 90 sec (60Hz)	扭力值(±5%) kgf-cm DC24V Torque(5%) kgf-cm DC24V	頻繁式 Frequent- working Series	斷電復歸式 Failsafe Series	頻繁式斷電復歸 Frequent- working Failsafe Series
JH-40	10W	2.5	250	●		
JH-40	10W	15	400	●	●	●
JH-50-1	10W	27	600	●	●	●
JH-70	10W	16	700	●	●	●
JH-150	30W	1	500	●		
JH-150	30W	8	1500	●		
JH-150-1	30W	1	500	●	●	●
JH-150-1	30W	8	1500	●		
JH-350	30W	20	2500	●	●	●
JH-350	30W	30	3500	●	●	●
JH-600	65W	30	6000	●	●	●

產品簡介 Product Review

- **頻繁式：**
使用DC直流馬達，可24小時長時間持續動作(每分鐘開關乙次)，不須擔心馬達過熱之問題。
額定電壓：
使用交換式電源，可供AC100V~AC240V入力電源使用，另有DC24V可供選擇
- **斷電復歸式：**
非傳統彈簧復歸式，而是採用類似不斷電系統模式，可供電緊急狀況時將閥體動作關閉或開啟設定位置，配線簡易，僅需單電源輸入即可控制開關動作(開/斷電)
※如時常長時間(8小時以上)處於斷電狀況下之控制方式，則不適用
※標準出廠預設值為斷電復歸為全關動作
額定電壓：
使用交換式電源，可供AC100V~AC240V 入力電源使用 另有DC24V可供選擇
- **頻繁式斷電復歸：**
綜合以上2種優點集合，即可長時間連續動作，也具有復歸之功能
※標準出廠預設值為斷電復歸為全關動作
額定電壓：
使用交換式電源，可供AC100V~AC240V入力電源使用 另有DC24V可供選擇
※以上3種，乾接點(不帶電微動開關)均為標準配備，全開及全關各一組
乾接點，可供客戶使用。

- **Frequent-working series：**
DC motor, which is allow to operate for 24 hours without heating up problem.
Rated Voltage：
AC100V~AC240V
Optional: DC24V
- **Failsafe Series：**
Failsafe series is different from traditional mechanical spring return series, it has the function to operate the valve to the position where it is set when the power is cut. The wiring is easy. It just needs single input power to control the valve operation.
※ It is unsuitable to use If there is no power charging for a long time (over 8 hours)
※ Factory preset is full-close.
Rated Voltage：
AC110V~AC240V
Optional: DC24V
- **Frequent-Working Failsafe Series：**
With two functions, it can operate for a long time and has failsafe function
※ Factory preset is full-close.
Rated Voltage：
AC110V~AC240V
Optional: DC24V
※ These three series all have extra switches as original parts.

現場操控器 Site Operator

- 現場操作器，採模組設計，適用於JH-150以上之驅動器。
- 提供工作人員在現場進行閥門開關等動作，而不需要經由中控端進行控制，具有較佳的便利性，並具有開關燈號之顯示功能。
- 現場操控具有上鎖功能，可自行上鎖，防止非工作人員操作。
- On-site operator, molding designed for JH-150 and other JH series above.
- Providing convenience and efficiency that the user can operate the valve on site with indicator light to show the operating position. No need to control via the control terminals.
- On-site control has a locking function to prevent non-staff operating.



遙控操控器 Remote Control

- 遙控控制箱可安裝於JH-150~JH-3500之電動驅動器側面
- 使用電壓100~120VAC 50/60Hz、200~240VAC 50/60Hz
- 控制箱外部指示燈顯示，可讓現場人員方便觀看目前驅動器動作位置
- 遙控器使用範圍5m，有4個按鈕，功能分別為A：驅動器開啟動作；B：驅動器關閉動作；C：遙控功能開啟；D：遙控功能關閉；使用時先按下C按鈕(遙控功能開啟)，此時遙控面板之BEMOTE INDICATOR(遙控指示燈)黃色指示燈會亮起，待指示燈亮起後方可使用遙控功能操作電動驅動器開啟/關閉動作，如遙控指示燈(黃色)未亮起代表動作為遠端客戶控制
- 客戶配線僅需拆除遙控控制箱外蓋即可完成配線，無須拆除電動驅動器外蓋
- 外蓋指示燈接線使用空中接頭，可快速拆除且有防呆功能方便安裝

- The remote control box can be installed on JH-150~JH-3500 series.
- Voltage: 100 ~ 120VAC 50 / 60Hz, 200 ~ 240VAC 50 / 60Hz.
- The indicator light installed on the remote control box which allows the user on the site to discern the operating position.
- Remote control range: 5m
A: Start, B: Stop, C: Remote Control Mode On (Pressing "C" bottom to turn to remote control mode-the remote indicator light on), D: Remote Control Mode Off(Pressing "D" bottom to turn off remote control mode-the remote indicator light out)
- The wiring construction can be done with the remote control box only, instead the actuator.
- The indicator light on the box can be installed with DIN plug, convenient to dismantle and install with fool-proofing feature.

產品規格 Product Specification

- AC110V~AC220V電動驅動器
- 以下數值以60HZ為準，僅供參考，人力電源頻率不同時數值略有出入。
- ※ 使用壓力如超過10Kgf-cm²以上，電動驅動器需加大一碼。
- ※ 需加裝比例式或閥體旋轉扭力過緊時，電動驅動器需加大一碼。

- AC110V~AC220V Electric Actuator
- The following values are based on 60HZ as reference. The value varies slightly from the different frequency of the power supply.
- ※ If the working pressure is more than 10kgf-cm², you should replace it with a bigger one.
- ※ If you need to install modulating series or the torque of valve is too tight, you should replace it with a bigger one.

型號 Models	馬達功率 Power	90°旋轉 開關時間(sec) Speed 90 sec (60Hz)	扭力值(±5%) kgf-cm AC110V Torque(5%) kgf-cm ² 110V	扭力值(±5%) kgf-cm AC220V Torque(5%) kgf-cm ² 220V	無載消耗電流 No-load current consumption	
					AC 100V~120V	AC 200V~250V
JH-10	3~4W	23	105	105	33mA	30mA
JH-40	10W	1	75	80	0.6A	0.3A
JH-40	10W	5	181	214	0.6A	0.3A
JH-40	10W	10	350	362	0.6A	0.3A
JH-40	15W	1	127	132	0.7A	0.4A
JH-40	15W	10	410	432	0.7A	0.4A
JH-50-1	15W	17	500	450	0.7A	0.4A
JH-50	15W	11	500	500	1.2A	0.4A
JH-70	18W	11	700	700	1.1A	0.6A
JH-150	25W	1	294	350	0.6A	0.6A
JH-150	25W	8	1486	1562	0.6A	0.6A
JH-150	40W	1	369	405	0.9A	0.6A
JH-150	60W	1	445	460	1.0A	0.7A
JH-150-1	25W	1	294	350	0.6A	0.6A
JH-150-1	25W	8	1486	1562	0.6A	0.6A
JH-150-1	40W	1	369	405	0.9A	0.6A
JH-150-1	60W	1	445	460	1.0A	0.7A
JH-350	25W	20	2500	2500	0.8A	0.6A
JH-350	25W	30	3118	3320	0.6A	0.6A
JH-500	40W	30	4266	4873	0.9A	0.6A
JH-600	60W	30	5689	6081	1.0A	0.7A
JH-900	100W	37	11038	9296	1.2A	0.6A
JH-1350	100W	52	12060	13500	1.2A	0.6A
JH-1500	100W	65	15000	14500	1.2A	0.6A
JH-3500	100W	143	35000	35000	1.2A	0.6A

產品規格 Product Specification

- AC24V 電動驅動器
- 以下數值僅供參考
- ※ 使用壓力如超過10Kgf-cm²以上，電動驅動器需加大一碼。
- ※ 加裝比例式或閥體旋轉扭力過大時，電動驅動器需加大一碼。
- AC24V Electric Actuator
- The following values are based on 60HZ as reference. The value varies slightly from the different frequency of the power supply.
- ※ If the working pressure is more than 10kgf-cm², you should replace it with a bigger one.
- ※ If you need to install modulating series or the torque of valve is too tight, you should replace it with a bigger one.

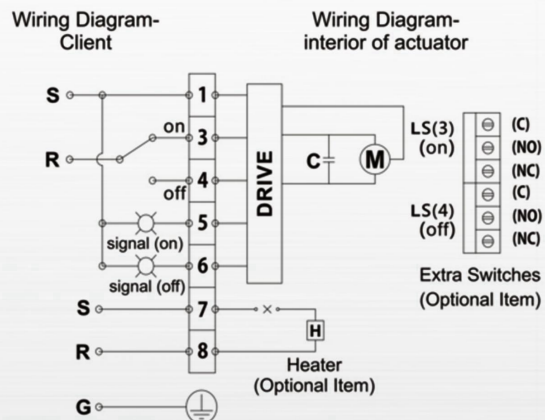
型號 Models	馬達功率 Power	90°旋轉 開關時間(sec) Speed 90 sec (60Hz)	扭力值(±5%) kgf-cm AC24V Torque(5%) kgf-cm ² AC24V	無載消耗電流 No-load current consumption
				AC24V
JH-10	3~4W	23	90	170mA
型號 Models	馬達功率 Power	90°旋轉 開關時間(sec) Speed 90 sec (60Hz)	扭力值(±5%) kgf-cm AC24V Torque(5%) kgf-cm ² AC24V	無載消耗電流 No-load current consumption
				DC24V
JH-40	10W	2.5	250	0.1A
JH-40	10W	15	400	0.1A
JH-50-1	10W	27	600	0.3A
JH-70	10W	16	700	0.1A
JH-150	30W	1	500	0.5A
JH-150	30W	8	1500	0.5A
JH-150-1	30W	1	500	0.3A
JH-150-1	30W	8	1500	0.3A
JH-350	30W	20	2500	0.3A
JH-350	30W	30	3500	0.5A
JH-600	65W	30	6000	0.8A
JH-900	100W	36	10000	0.7A

注意事項 Cautions

- 手動裝置：
操作手動裝置前應先將電源關閉，以免造成危險或是內部機件故障。操作把手輪手動裝置時請先將把手輪往內推，使離合器接合，方可手動執行開關動作。JH150-1~JH-3500備有行程定位受限檔板，使用手動時，請注意開度指示器之開度位置，請勿將指針超過範圍及蠻力硬轉，以免內部機件損壞。手動操作時建議板手(8m/m開口)長度不可超過10公分，請勿將指針超出範圍及硬轉，以免內部機件損壞。
- 電動驅動器禁止倒立安裝。
- 配線前請先確認電壓是否正確。
- 配線或檢修前，請務必關掉電源，以免發生危險。
- 配線工作完成後，請將出線孔及上蓋確實鎖緊，以防止灰塵或雨水滲入。
- 驅動器上蓋鎖緊前，請檢查防水封件是否安裝正確，以防止灰塵或雨水滲入。
- 請注意驅動器裝置出線孔方向問題，以防止因人為因素使灰塵或雨水滲入。
- 當2只(含)以上驅動器同時操作時，請單獨接線，不可直接並聯使用。
建議：2只(含)以上驅動器需同時操作時需加裝繼電器隔離。
- 每只驅動器內部均含有地線接點，請務必接上。
- 非防爆型產品不可安裝於危險區域(例：爆炸性氣體)以及完全真空的空間環境裡。
- 產品之運轉時間請依每5分鐘動作間隔之規範，以避免馬達過熱而停止運轉。
- 為了避免靜電干擾產品功能，請勿徒手或讓金屬工具觸碰到PCB板上之任何零件。
- Manual Override Device :
Before using the manual override device, the power should be turned off to avoid danger or a breakdown of machine components. Please push in the hand wheel to connect the clutch before operating. JH-150-1~JH-3500 have the restricted tailgates. Please note the position indicator when operating the manual override device, and do not rotate the hand wheel beyond the limit or by force. We recommend that the open end of the wrench should be 8m/m, and the length could not over 10cm.
- Do not install it upside down.
- Please check the voltage before wiring.
- Please turn off the power before wiring or repairing.
- Please tighten the cable gland and the enclosure to avoid dust and rainwater entering the electric actuator.
- Please make sure waterproof seal is tightened to avoid dust and rainwater entering the electric actuator.
- Please check the direction of the cable gland to avoid dust and rainwater entering the electric actuator.
- Please wire individually, when you need two electric actuators to operate at the same time. It is recommended that you should install the relay set if you need two electric actuators to operate at the same time.
- All electric actuators have the ground contact, please make sure to connect it.
- Non-ex proof products cannot be installed in the dangerous zone. Ex: explosive fluid, or perfect vacuum environment.
- Please follow the regulation of 5 minutes per travel to avoid the motor shutting down from overheating.
- To prevent static electricity from influencing product operating, please do not touch any components of the PCB board by hand or metal tool.

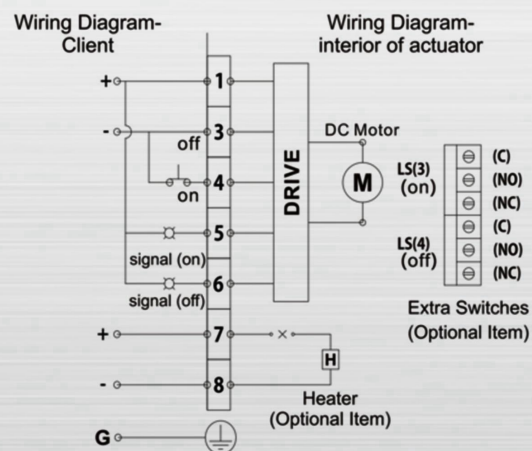
JH-10 to JH-3500

AC 110V/220V



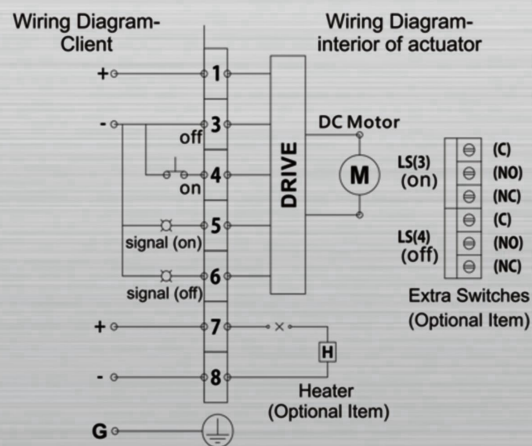
JH-40 to JH-70

DC 24V



JH-150 to JH-900

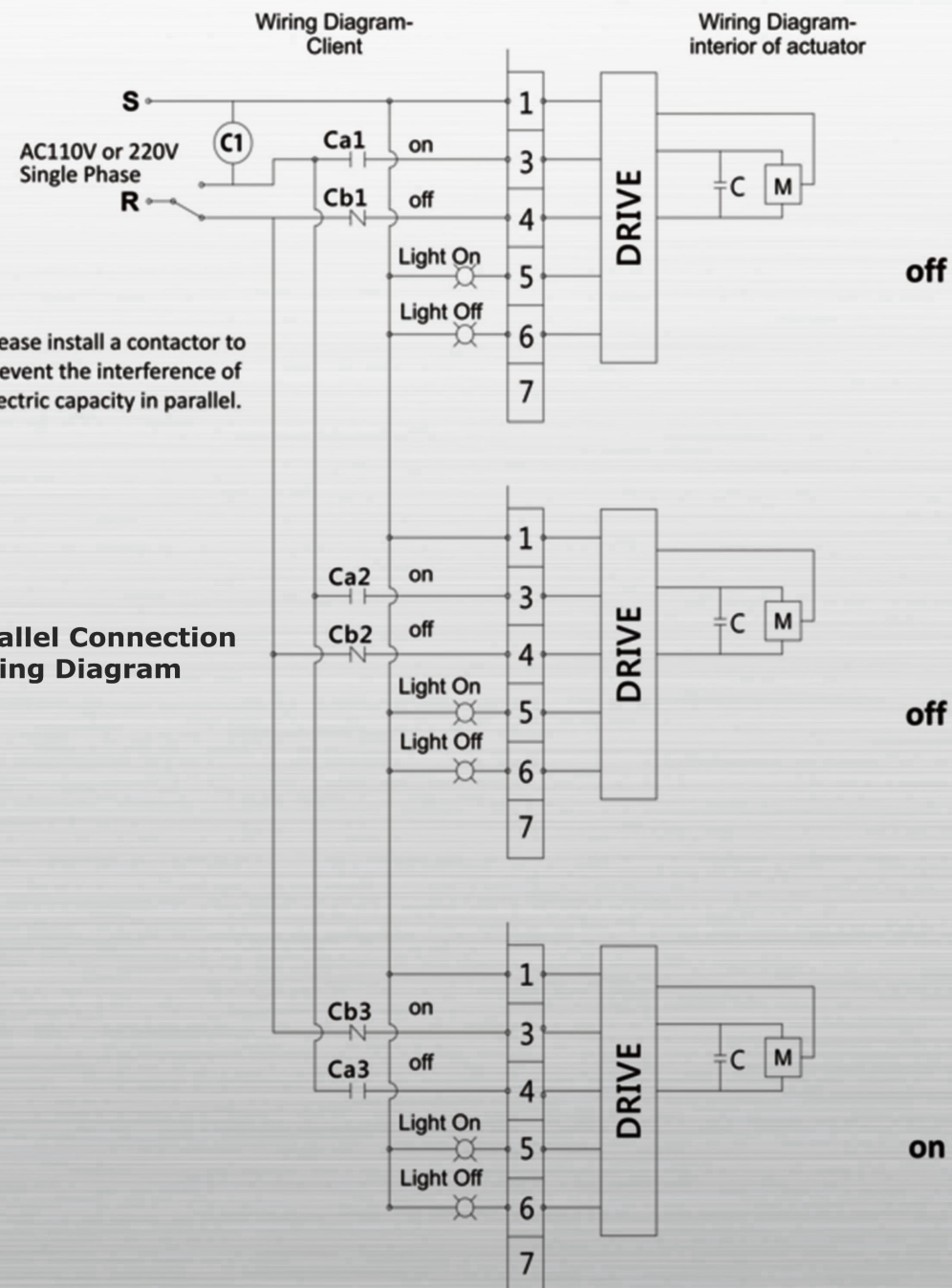
DC 24V



Three sets of electric actuators with one switch:
 two sets off (close) and one set on (open).

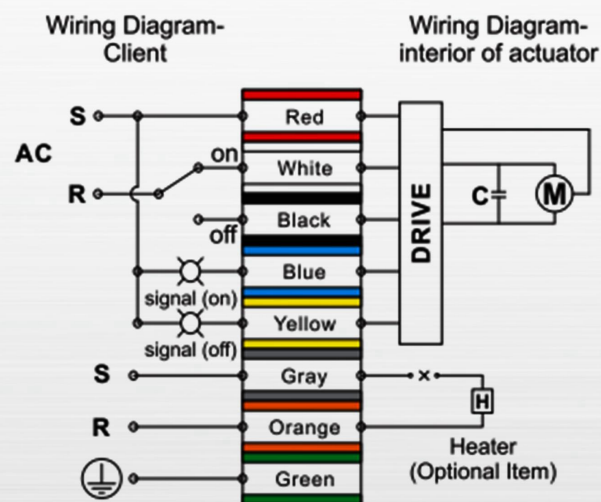
- Please install a contactor to prevent the interference of electric capacity in parallel.

Parallel Connection Wiring Diagram

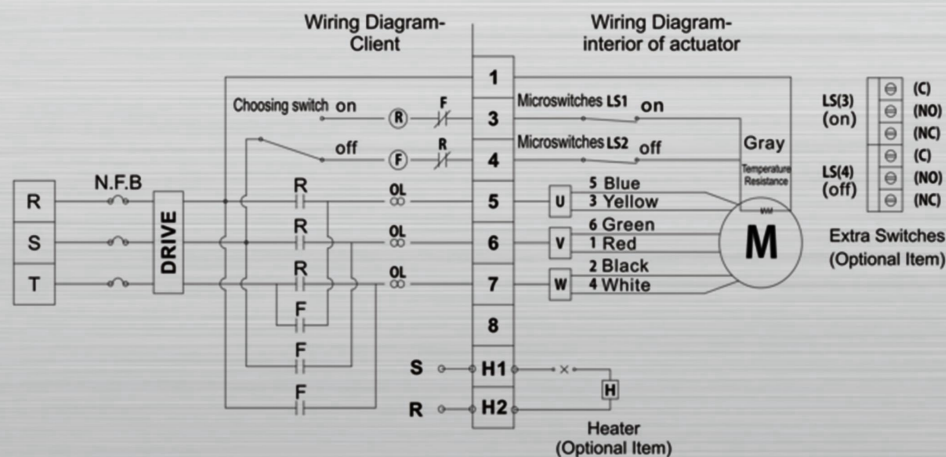


JH-10

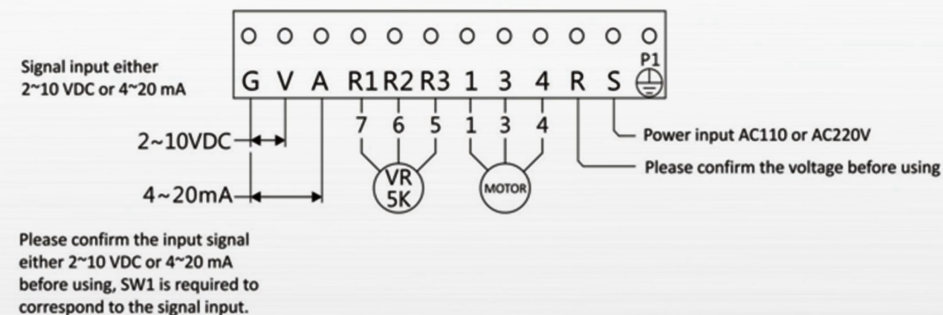
AC 24V/110V/220V



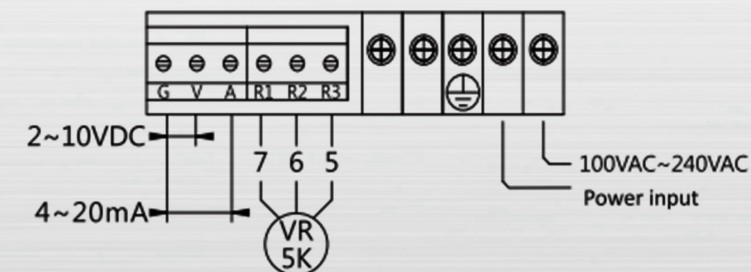
Three Phase



AC JHD Modulating Series

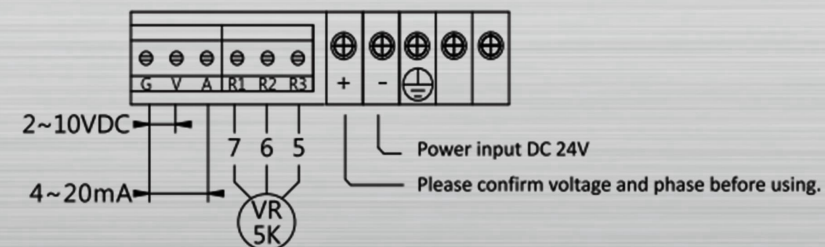


AC 100V~240V Multi-Voltage Modulating



Please confirm the input signal either 2~10 VDC or 4~20 mA before using, SW1 is required to correspond to the signal input.

DC Modulating



Please confirm the input signal either 2~10 VDC or 4~20 mA before using, SW1 is required to correspond to the signal input.