

ELECTRIC LINEAR TYPE ACTUATOR (ON/OFF)

ELECTRIC ACTUATOR



● General

Very excellent to generate various thrust by accelerating gear and power supply equipment which using the turning power of synchronous motor. It is usually used with 2-WAY and 3-WAY globe valves for Heating, Ventilating, Air Conditioning, plant.

- A. Robust Design
- B. Enclosure
- C. Reliable Operating

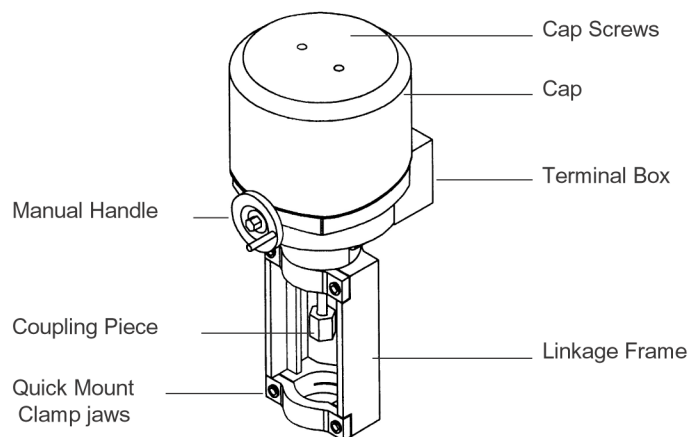
● Specification

Model	AGE-10	AGE-20	AGE-35	AGE-55	AGE-100	AGE-250
Stroke (mm)	20		20		20	20
Output Torque (N)	1000	2000	3500	5500	10000	25000
Operating Time (Sec)	60	55	105	70	80	150
Power Supply	24V (220V) AC. ± 10%				220V (110V) AC. ± 10%	
Rated Torque (A)	0.069 (0.075)			0.86 (0.11)	0.35	1
Condenser (μF)	33 (0.474)			56 (1)	2	6
Rated Current (VA)	16.5 (10)			21 (24)	77	220
Control Signal	CW / CCW					
Control Output	-	Option (2*Open/Close 3A)			(2*Open/Close 10A)	
Motor effc.	S4 - 30% ED - 600c/hr					
Ambient Temp.	-15°C ~ 50°C					
Housing protection	IP 54 (DIN 40050, IEC 144)					
Conduit Entries	PF 1/2					
Weight (Kg)	2.2	3.9	4.2	4.5	8	10

※ () Option

● Design Feature

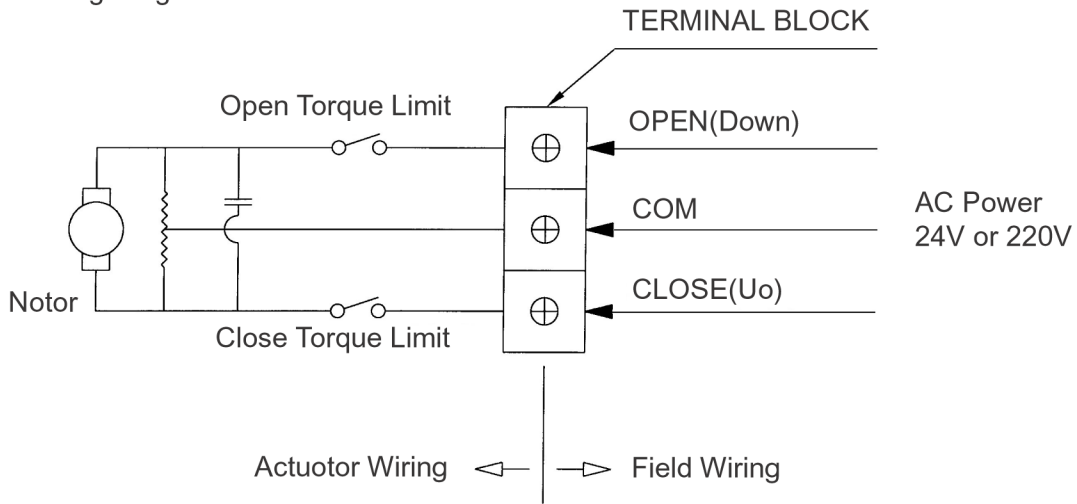
- Assembling actuator and valve requires neither special tools nor adjustments
- Blocking proof geartrain with self-lubricating bearings
- Manual operation with automatic resetting to control operation
(When motor operate, Manual handle returns to its own position for electric operation)



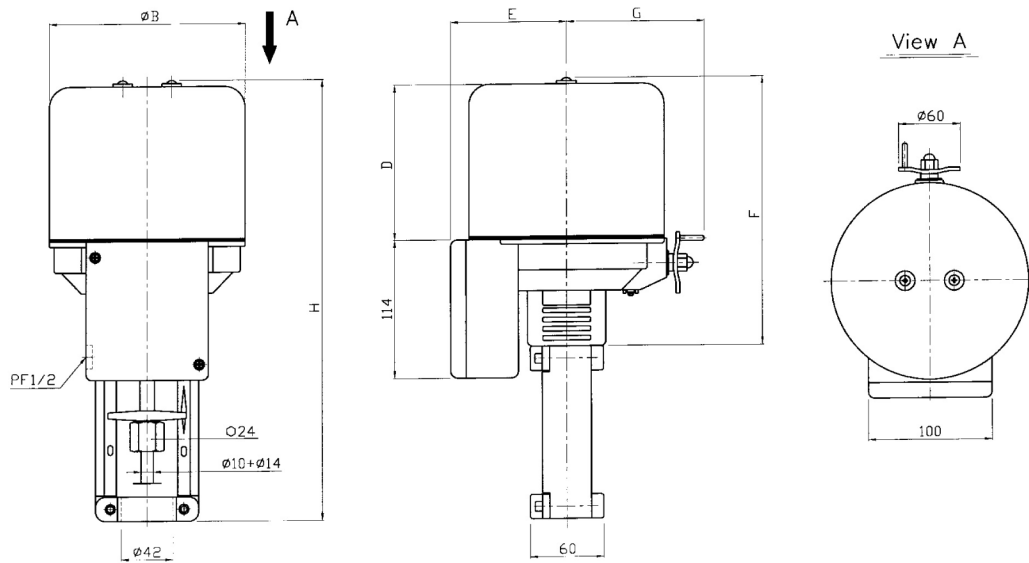
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● Wiring Diagram



● Dimension



(mm)

Model	ϕB	H	E	G	D	F
AGE-10	168	208	62	62	81	111
AGE-20	140	295	90	125	106	185
AGE-35	140	330	90	125	130	185
AGE-55	160	355	100	135	125	215
AGE-100	180	585	100	170	195	330
AGE-250	270	665	120	200	250	445

ELECTRIC LINEAR TYPE ACTUATOR (CONTROL)

ELECTRIC ACTUATOR



● General

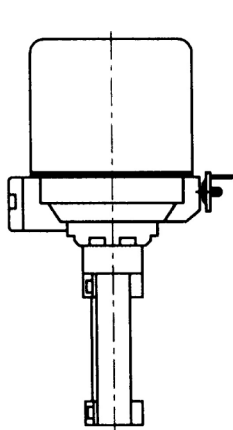
Very excellent to generate various thrust by accelerating gear and power supply equipment which using the turning power of synchronous motor.
It is usually used with 2-PORT and 3-PORT globe valves for Heating, Ventilating, Air Conditioning, plant.

- A. Manual Handle for Hand/Auto Switch System.
- B. Torque Switch for Protection from overload
- C. Signal Output for Remote Control.
- D. Easy Transition for Normal Open/Normal Close.
- E. It is operated 24V AC voltage (0~10V DC / 4~20mA) or 220V AC (4~20mA or 0~10V DC)

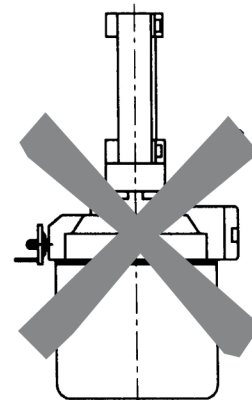
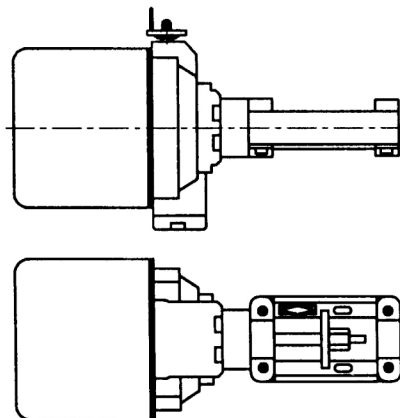
● Specification

Model	AGE-10P	AGE-20P	AGE-35P	AGE-55P	AGE-100P	AGE-250P
Stroke (mm)	20		40		70	80
Output Torque (N)	100	2000	3500	5500	10000	25000
Operating Time (Sec)	60	55	105	70	80	150
Power Supply	24V (220V) AC. ±10%				220V (110V) AC. ±10%	
Rated Torque (A)	0.069 (0.075)			0.86 (0.11)	0.35	1
Condenser (μF)	33 (0.474)			56 (1)	2	6
Rated Current (VA)	16.5 (10)			21 (24)	77	220
Control Signal	(AC 24V : 0 ~ 10V / 4 ~ 20mA D.C) (AC220V : 0 ~ 10V or 4 ~ 20mA D.C)					
Output Signal	0 ~ 10V or 4 ~ 20mA D.C					
Motor effic.	S4 - 30% ED - 600c/hr					
Ambient Temp.	-15°C ~ 50°C					
Housing protection	IP 54 (DIN 40050, IEC 144)					
Conduit Entries	PF 1/2					
Weight (Kg)	2.4	3.9	4.2	4.5	8	10

● Mounting and Installation Guide



(permitted)

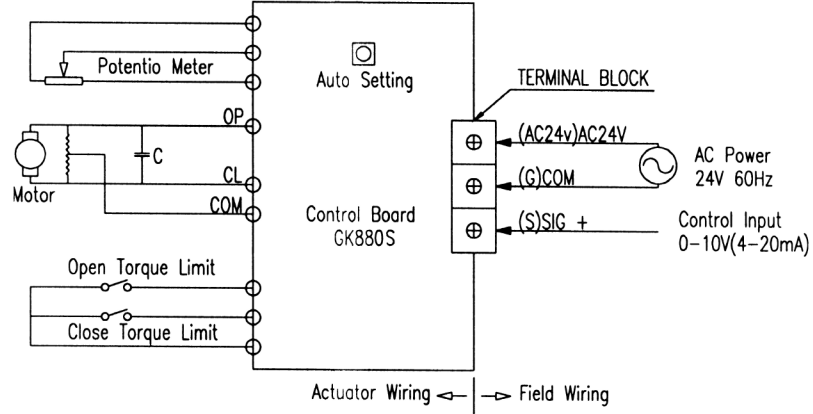


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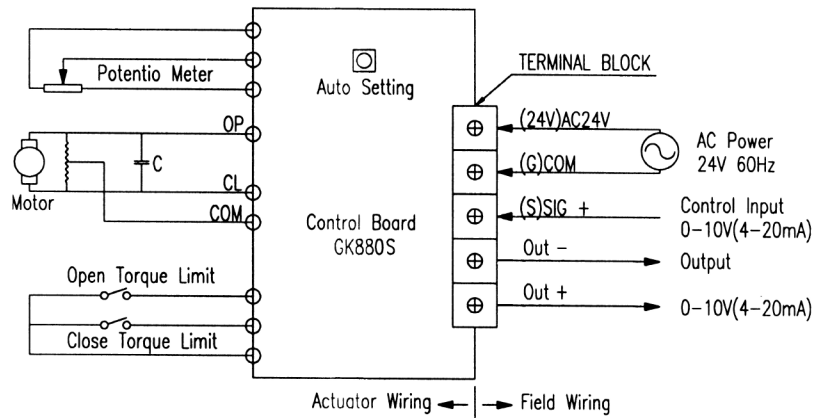
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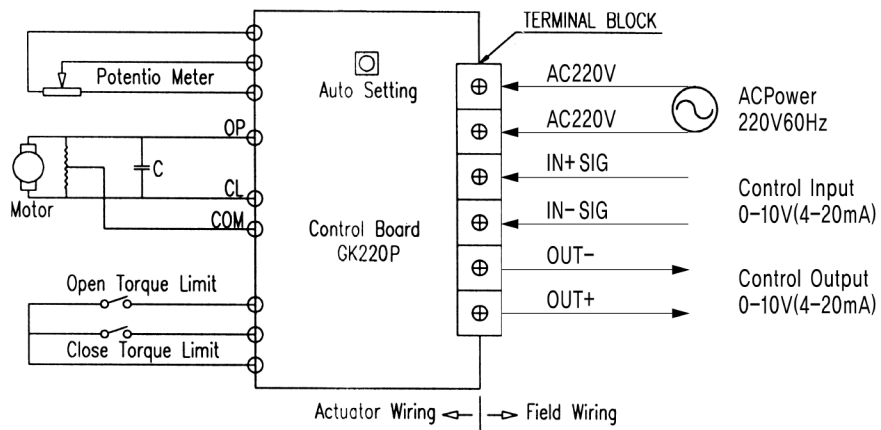
● Wiring Diagram



STANDARD (AGE-10P, 20P, 35P, 55P AC24V)

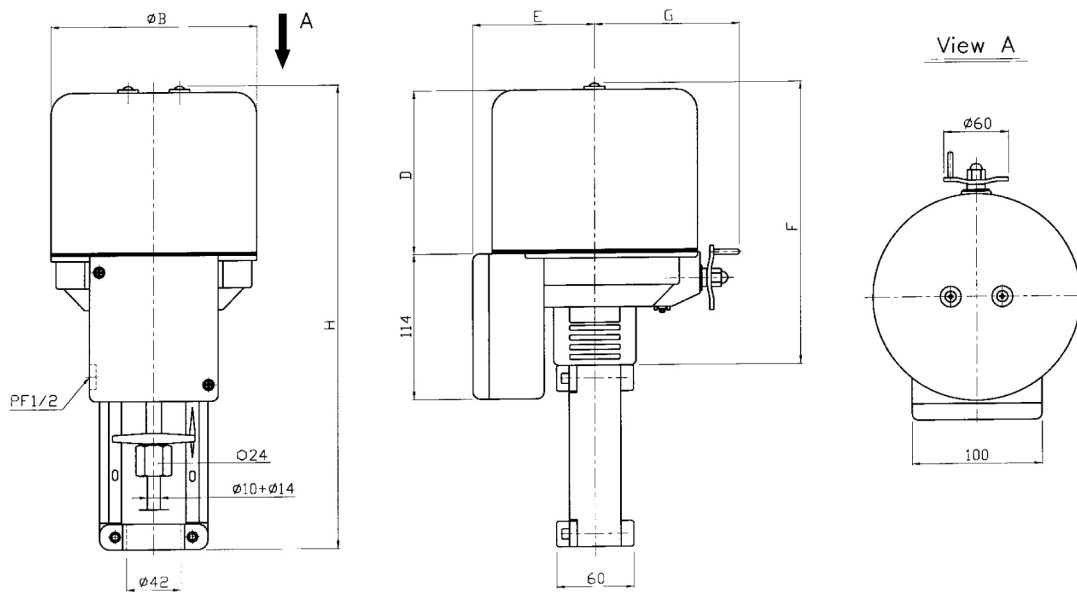
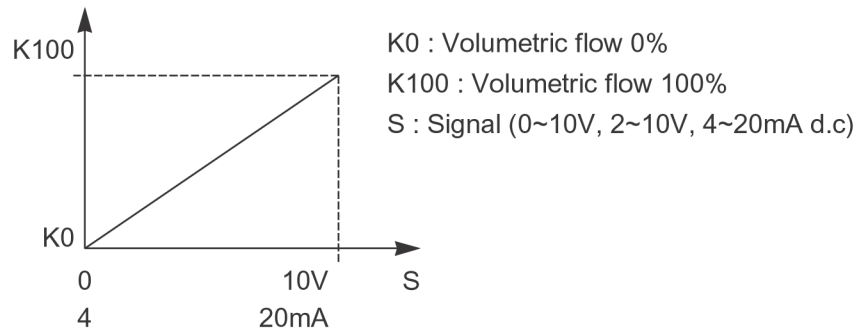


OPTION (AGE-20P, 35P, 55P AC24V)



(AGE-20P, 35P, 55P, 100P, 250P AC220V)

● Technical Features



● Dimension

(mm)

Model	φB	H	E	G	D	F
AGE-10	168	208	62	62	81	111
AGE-20	140	295	90	125	106	185
AGE-35	140	330	90	125	130	185
AGE-55	160	355	100	135	125	215
AGE-100	180	585	100	170	195	330
AGE-250	270	665	120	200	250	445