

Electric Actuator ESSD/ELCR Series

New Product



Electric
Easy
Ecology

Pneumatic-like Operation

Specifications

RoHS

Descriptions		ESSD Series						ELCR Series			
Actuator Type		Rod Type						Dial Plate Type			
Motor Type		Stepping Motor						Stepping Motor			
Drive Method		Slip Screw						Slip Screw			
Motor Frame Size	mm	28	42			56		28	42		
Screw Lead	mm	6	6	12	24	6	12	6	6	12	24
Maximum Speed	mm/sec	100	100	200	400	100	200	100	100	200	400
Working Temperature Range	°C	0-50°C(No Freezing)									
Encoder Type		Incremental Specifications									
Power Voltage		DC24V±10%									
Control Mode		Solenoid Valve Mode(Single Type,Double 2-Position Type,Double 3-Position Type) 7-Point Positioning Mode Pitch Feeding Mode									
Setting Method		Set using a teaching pendant									
Maximum Payload(kg) (Note1)	Vertical	1.5	11.0	5.0	1.0	25.0	15.0	1.0	7.0	4.0	1.0
	Horizontal	—	—	—	—	—	—	4.5	7.0	7.0	7.0

(Note1)Maximum payload lowers when sped up.

Product Weight

(kg)

Descriptions	Motor Frame Size (mm)	50st	100st	150st	200st
ESSD Series	28	0.8	1.0	1.1	1.2
	42	1.4	1.6	1.8	2.0
	56	2.9	3.3	3.6	3.9
ELCR Series	28	1.3	1.6	—	—
	28	2.1	2.5	2.9	—

Stroke

Descriptions	Motor Frame Size (mm)	Stroke(mm)
ESSD Series	28	50mm,100mm, 150mm,200mm
	42	
	56	
ELCR Series	28	50mm,100mm
	42	50mm,100mm,150mm

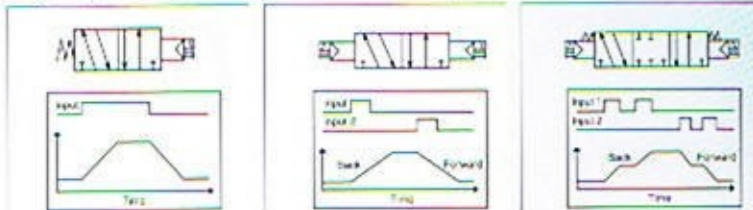
*Please contact CKD for model number details, various specifications, dimensional drawings, etc.

As Easy as Pneumatic! As Simple as Pneumatic!

Electric Actuator

- Drastic downsizing by built-in Controller !
- Operable with same input signal as a solenoid valve

Single Type Double 2-Position Type Double 3-Position Type



- Teaching pendant allows pneumatic circuit-like easy adjustment



● Built-in Controller

● Teaching Pendant

- 3 types of control mode for various use
 - Solenoid Valve Mode (Single/Double/3-Position)
 - 7-Point Positioning Mode
 - Pitch Feeding Mode
- Direct Teaching Possible
- Incorporated Cylinder Switch Possible

Electric Actuator Product Variation

Model	Motor Frame Size (mm)	Lead	Stroke	Solenoid Valve Mode	7-Point Positioning Mode	Pitch Feeding Mode
Rod Type ESSD	28	6	50 100 150 200	●	●	●
	42	6 - 12 - 24	●	●	●	●
	56	6 - 12	●	●	●	●
Dial Plate Type ELCR	28	6	●	●	●	●
	42	6 - 12 - 24	●	●	●	●

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フリーダイヤル ☎0120-771060
 受付時間 9:00~12:00/13:00~17:00
 (土日、休日除く)

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