

8-12

Small valve actuator GEA-015P/GEA-040P



Summary

Small electric actuator has wide range of stroke applications and is proper to control PICV.
Open position of the valve is to be found easily on digital display(0 ~ 100%) with accurate feedback control on-site.

Type summary

Proportional type / In/Out-put signal : 0(2) ~ 10VDC / Power supply : 24VAC/DC or 12VAC/DC

Model	Normal stroke (mm)	Force (N)
GEA - 015P	3 ~ 6.5	150
GEA - 040P	3 ~ 6.5	400

Application

To operate PICV in 10A ~ 50A

※ Please, contact us in case that stroke setting is different from valve mounting

Ordering Specification

Model	Thrust	Operating type	Power (VAC/DC)	Input signal	Specifications
GEA					GINICE Electric Actuator
	015				Normal force (150N)
	040				Normal force (400N)
		P			Proportional
		PD			Proportional / Digital display
		PB			Proportional / Battery(only for standard)
		PDC			Proportional / digital display / Input signal 0 ~ 10V
			24		24VAC/DC
			12		12VAC/DC
				V	No output
				V0	In/Out-put 0 ~ 10VDC
				V2	In/Out-put 2 ~ 10VDC



Technical Data

Model	GEA-015P /GEA-040P
Supply voltage	24 VAC/VDC $\pm 20\%$ (recommended) or 12 VAC/VDC $\pm 10\%$
Power consumption	Operation ≈ 0.8 VA (VAC) based on 24 VAC Standby ≈ 0.6 VA (VAC) based on 24 VAC
Input signal	0(2)-10 VDC, Ri 20 k Ω .
Proportional	0(2)-10VDC
Output signal	Plus version 0(2)-10 VDC, max. 20mA Ranges See "Input signal".
Characteristics	Linear / Equal
Control speed	15 s/mm
Adjusting force	150N / 400N
Temperature	Media temperature 0°C - +100°C Operating environment 0°C - +50°C (5-95%RH, non-condensing) Storage environment -20°C - +70°C (5-95%RH, non-condensing)
Ingress protection	IP 54 (all directions) (according to EN 60529)
Cable	1.5m
Stroke	Max 6.5mm Automatic detection of the valve lift (self-stroking).
Weight	0.23 kg
Connection to valve	Swiveling nut M30 x P1.5
Material	Cover PC Body /Housing PC Swiveling nut Nickel-plated brass.
Color	Cover Coca-collar color, Body Light gray
Marking	Label Product name, Article No. and Technical specification.

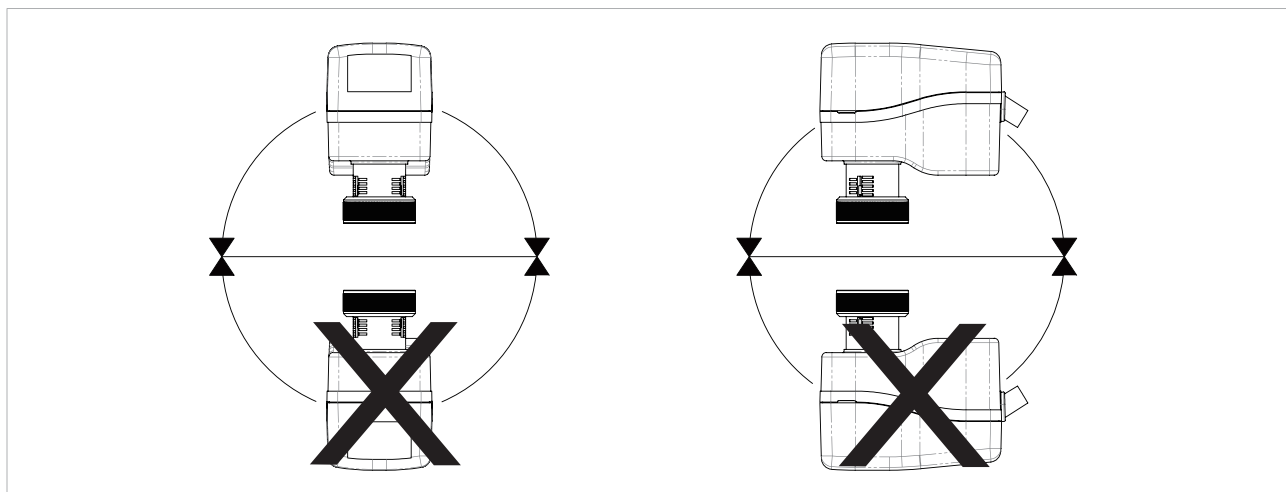


Technical Feature

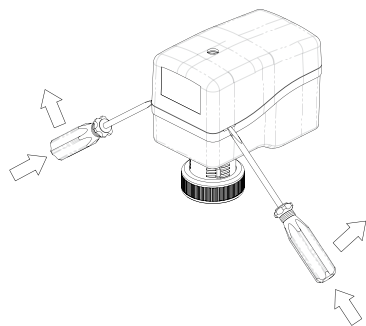
- Available to set-up 1 ~ 10mm with manual operation
- Self-stroking
- Stroke limitation setting
- Valve blockage protection
- Valve clogging detection
- Error safe position



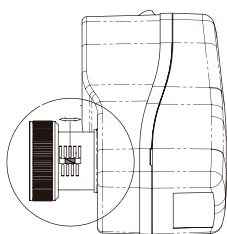
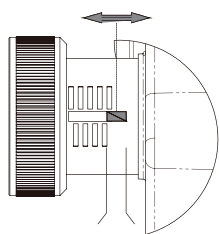
Installation and Mounting Notes



Design Character



▪ Press upward the groove with flat-head(-) screwdriver to separate

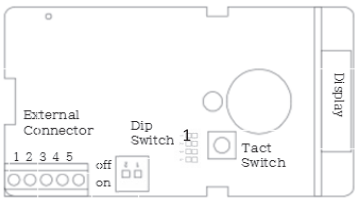


▪ Mount actuator onto the valve with proper stroke position considering the length of valve shaft(stem)

Wiring Diagram

PCB LAYOUT

<u>External Connector</u> 1.AC24V 2.Common 3.IN Signal 4. T + 5. T -	<u>Dip Switch</u> #1 On : Equal 선택 (Off : Linear) #2 On. for input signal (Off : 0-10V)
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Dimensions

