

SSA/SSP Series Electronic Valve Actuator

24 Vac, Floating or 0-10V Control Non-Spring Return



SSA/SSP Series Electronic Valve Actuator.

Description

The SSA/SSP Electronic Valve Actuator requires a 24 Vac power supply and receives a 0 to 10 Vdc signal or a floating control signal to control a valve. This actuator is designed to work with Zone Control Valves with a 1/10-inch (2.5 mm) stroke and a threaded valve bonnet that fits the actuator.

Features

- Direct-coupled installation without tools
- Manual Override with hex wrench
- Visual position indication

Applications

The SSA/SSP Electronic Valve Actuators are for use with heating and cooling HVAC applications with Zone Valves.

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Valves

SSA/SSP Actuator Valve Specifications

Power Supply
Operating Voltage 24 Vac ±20%
Frequency 50/60 Hz

Power Consumption
SSA81 0.8 VA
SSA61 2.0 VA

Agency Certifications CE Conformance
EMC Directive 89/336/EEC
Low Voltage Directive 73/23/EEC
UL listed UL873
cUL certified to Canadian Standard
C22.2 No. 24-93

Function
Running Time
SSA61 34 sec.
SSA81 150 sec.
Nominal Stroke 1/10-inch (2.5 mm)
Nominal Force 24 lb. (105N)

Ambient Temperature
Operation 41 to 122°F (5 to 50°C)
Transport and Storage -13 to +158°F (-25 to +70°C)

Medium Temperature 34 to 230°F (1 to +110°C)

Dimensions 3.4" H X 4.4" W X 2.3" D
(85.2 mm H X 111 mm W X 58 mm D)

Shipping Weight 9 oz. (0.25 kg)

SSA/SSP Series Actuator Product Ordering

Description	Part No.	Actuator Prefix Code
24 Vac, Floating, Normally Closed	SSA81U	244
24 Vac, 0-10 V, Normally Closed	SSA61U	245
24 Vac, 0-10 V, Normally Open	SSP61U	248

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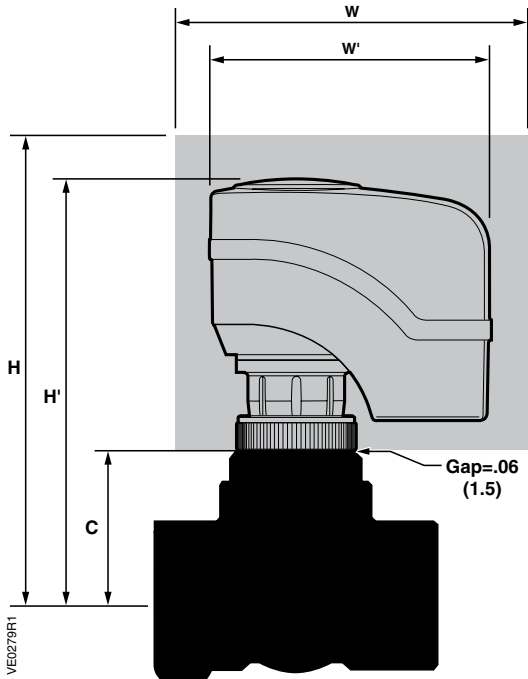
Valves

Accessories & Service Kits

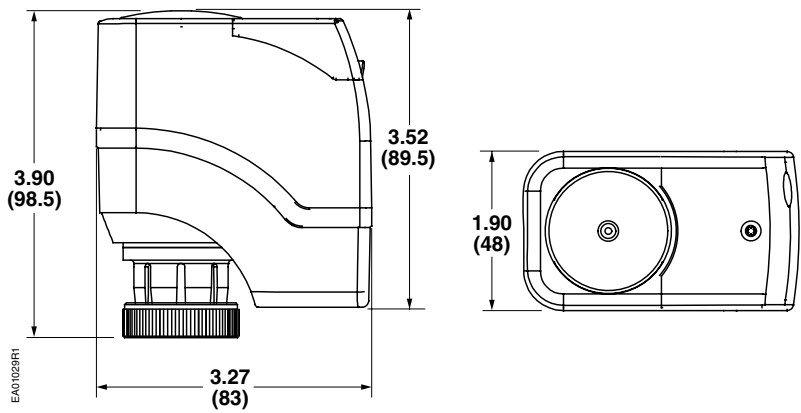
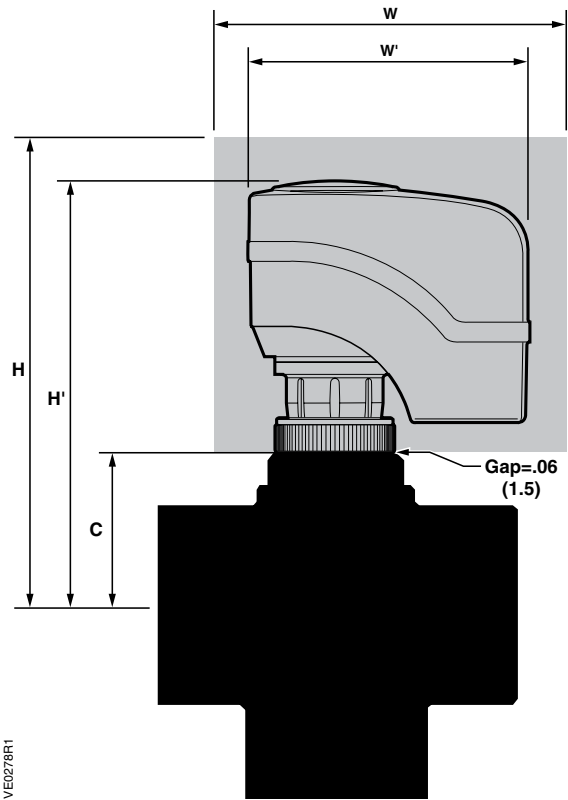
D-219

Dimensions

SSA/SSP Series Actuator:
Service Envelope for 2-way Valve Assembly



SSA/SSP Series Actuator:
Service Envelope for 3-way Valve Assembly



Dimensions shown in inches (mm).

Valve Size	Valve Center Line to Top of Actuator H1		Service Height H		Valve Center Line to Actuator Coupling C		Width or Diameter of Actuator W1		Service Width W	
	2-way	3-way	2-way	3-way	2-way	3-way	2-way	3-way	2-way	3-way
0.5 (15)	4.26 (108.2)	4.26 (108.2)	12.26 (311.4)	12.26 (311.4)	1.00 (25.4)	1.00 (25.4)	3.26 (82.8)	3.26 (82.8)	11.26 (286.0)	11.26 (286.0)
0.75 (20)	4.26 (108.2)	4.26 (108.2)	12.26 (311.4)	12.26 (311.4)	1.00 (25.4)	1.00 (25.4)	3.26 (82.8)	3.26 (82.8)	11.26 (286.0)	11.26 (286.0)
1.00 (25)	4.26 (108.2)	4.26 (108.2)	12.26 (311.4)	12.26 (311.4)	1.00 (25.4)	1.00 (25.4)	3.26 (82.8)	3.26 (82.8)	11.26 (286.0)	11.26 (286.0)

Table expressed in inches (mm).