

SSB Valve Actuator

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



Powermite MZ Series
SSB61U Electronic Valve Actuator.

Description

The Powermite SSB61U Electronic Valve Actuator requires a 24 Vac supply and receives a 0 to 10 Vdc control signal to proportionally control a valve. This actuator is designed to work with Powermite MZ Series Valves with a 7/32-inch (5.5 mm) stroke and a threaded valve bonnet that fits the actuator.

Features

- UL-listed for plenum installations
- Direct-coupled for installation without tools
- Close-off up to 70 psi on 1/2-inch valve
- Non-spring return
- Manual override
- Visual position indication
- Orderable as an actuator only or as a complete valve/actuator assembly

Applications

The Powermite SSB61U Electronic Valve Actuator is for use in heating and cooling HVAC applications with Powermite Valves that need 45 lbf. (200 N) of nominal force.

Recommendation:

Use only with the MZ Series valve bodies.

A-131

Valves

SSB61U Specifications

Operating Voltage24 Vac ±20% or 24 Vdc ±25%
Frequency 50/60 Hz
Power Supply Earth Ground Isolating, Class 2, 24 Vac Transformer
Power Consumption 2.0 VA
Control Signal (Y)
Voltage.....0 to 10 Vdc
Current.....0.1 mA
Running Time.....75 sec.
Nominal Stroke7/32" (5.5 mm)
Nominal Force.....45 lbf. (200 N)
Agency ApprovalsUL/cUL, UL873
CSA C22.2 No. 24-93

Ambient Temperature
Operation..... 34 to 122°F (1 to 50°C)
Transport and Storage-13 to 158°F (-25 to 70°C)
Ambient Humidity..... 0 to 90% RH, Non-condensing
Wiring Connection..... Terminal Block for Plenum Cable
(Accessory Available for 3/8-inch Flex Conduit)
Mounting Location NEMA 1 (Interior Only)

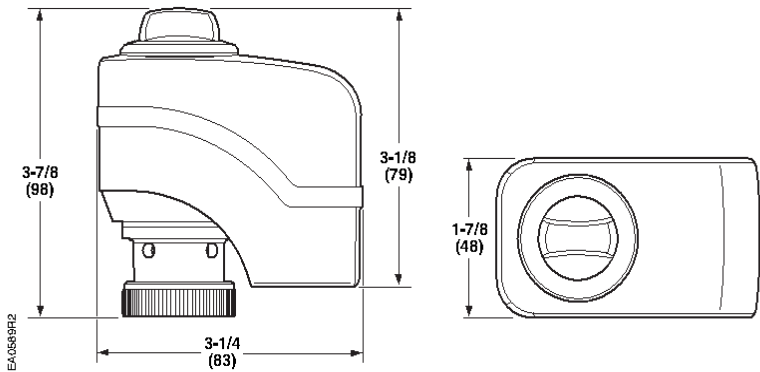
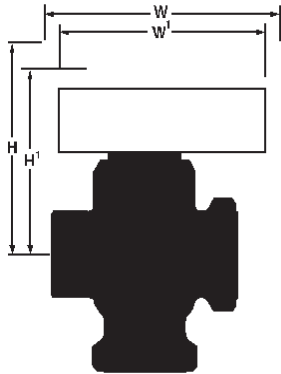
SSB61U Product Ordering

Description	Part No.	Actuator Prefix Code
0 to 10 V	SSB61U	255
There are no repair parts for this product. Replace the entire actuator if inoperative.		

Dimensions

Valve Size in.	Center Line to Top of Actuator	Service Height	Actual Width	Service Width
	H'	H	W'	W
1/2" (15 mm)	5-1/8" (130 mm)	13-1/8" (330 mm)	3-1/4" (83 mm)	11-1/4" (282 mm)
3/4" (20 mm)	5-1/8" (130 mm)	13-1/8" (330 mm)	3-1/4" (83 mm)	11-1/4" (282 mm)
1" (25 mm)	5-3/8" (136 mm)	13-3/8" (335 mm)	3-1/4" (83 mm)	11-1/4" (282 mm)

Service height and width are the recommended dimensions to allow access to the product.



Dimensions shown in inches (mm).