

## 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.

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Valves

# SSB61U Specifications

**Operating Voltage** ..... 24 Vac  $\pm$ 20% or 24 Vdc  $\pm$ 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 Stroke**..... 7/32" (5.5 mm)  
**Nominal Force**..... 45 lbf. (200 N)  
**Agency Approvals** ..... UL/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	<b>SSB61U</b>	<b>255</b>

**There are no repair parts for this product. Replace the entire actuator if inoperative.**

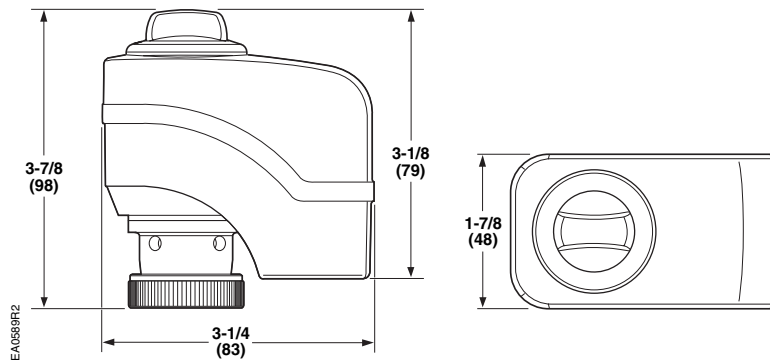
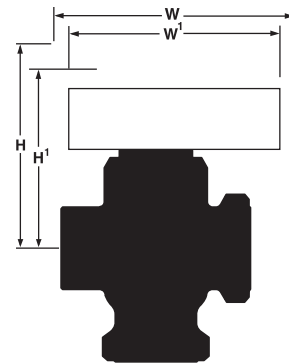
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Valves

## Dimensions

Valve Size in.	Center Line to Top of Actuator	Service Height	Actual Width	Service Width
	H <sup>1</sup>	H	W <sup>1</sup>	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).