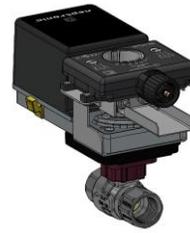


### Models

AC2-B-BV (2-way): Auxiliary switches for D, B, and S actuators.

AC2-B-BV (3-way): Auxiliary switches for D, B, and S actuators.



AC2-B-BV (2-way)



AC2-B-BV (3-way)

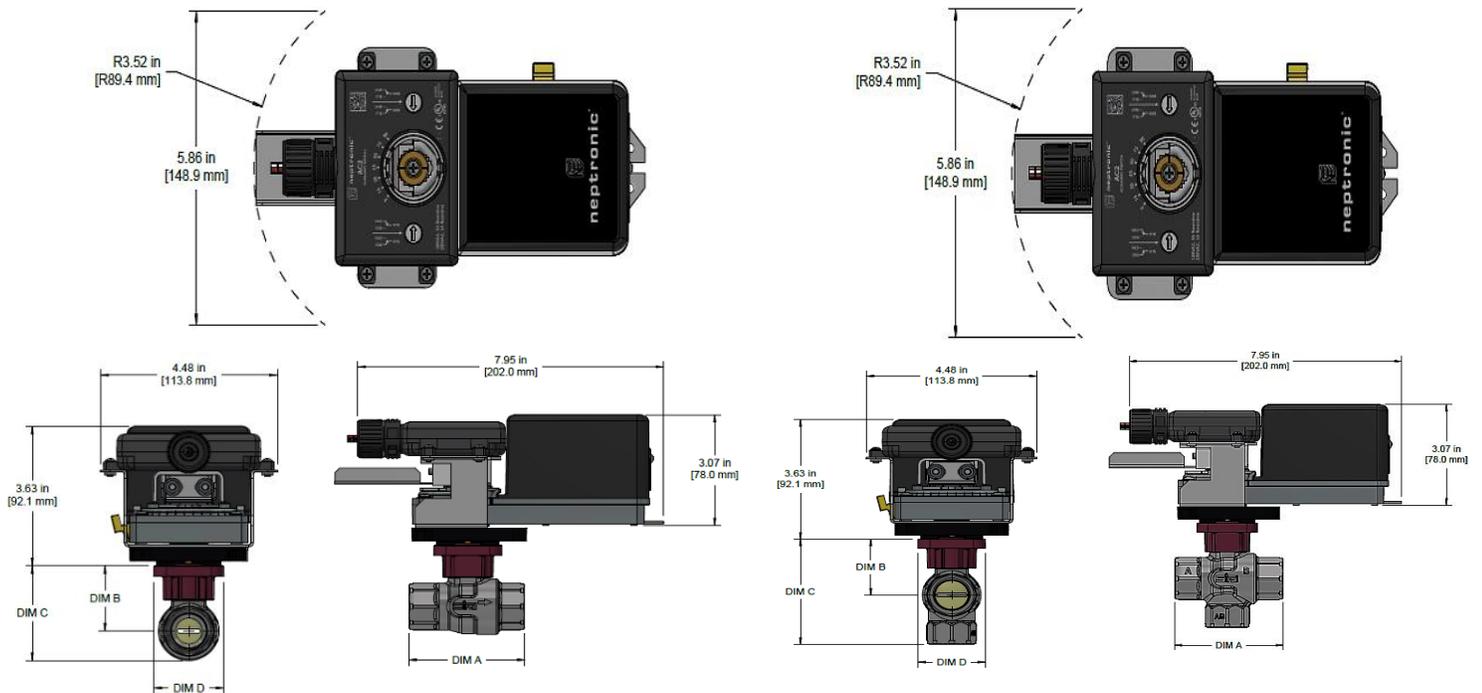
### Technical Specification

Description	AC2-B-BV (Siral)
Actuator Compatibility	Neptronic D, B and S series actuators
Power Supply	125VAC, 5A Resistive or 250VAC, 3A Resistive
Electrical Connection	Cable 39.5 in (1 m), 6 x 18AWG, FT1 with ½" conduit connector
Purpose and Action of Control	Type 1 operating control
Construction of Control	Independently mounted, accessory
Pollution Degree	2
Impulse Voltage	4000V

### Dimensions

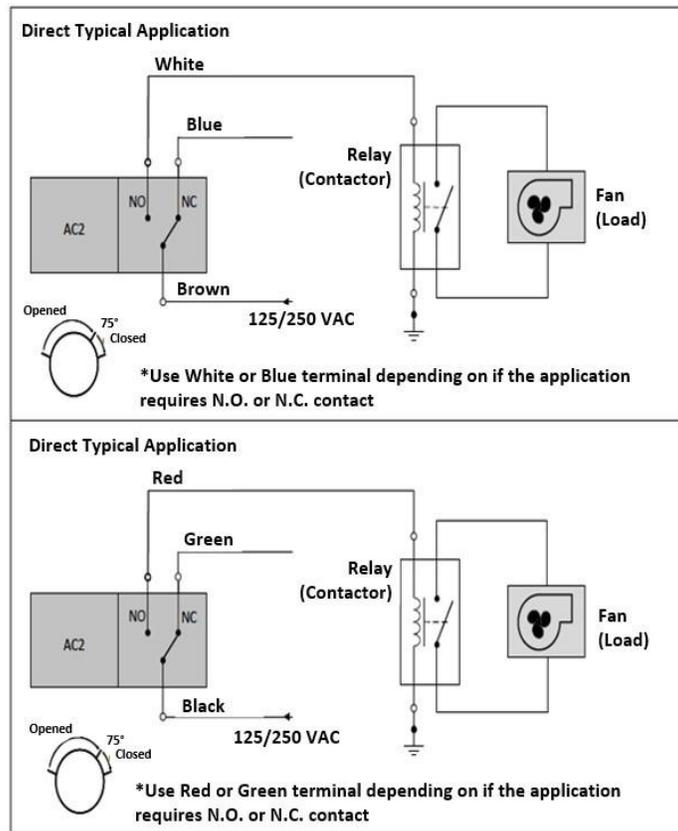
With 2-Way Valve

With 3-Way Valve



Valve Size	Valve Type	Cv	Kv	Dim A	Dim B	Dim C	Dim D
1/2" [DN10]	2-way	0.3 to 1.9	0.3 to 1.6	2.38 in [60.5 mm]	1.53 in [39 mm]	2.05 in [52 mm]	1.78 in [45 mm]
	3-way			2.44 in [62 mm]		2.75 in [70 mm]	
1/2" [DN15]	2-way	3.0 to 7.4	2.5 to 6.4	2.66 in [67.5 mm]	1.53 in [39 mm]	2.13 in [54 mm]	1.78 in [45 mm]
	3-way			2.76 in [70 mm]		2.85 in [72 mm]	
3/4" [DN20]	2-way	4.7 to 14.0	4.0 to 12.0	3.01 in [76.5 mm]	1.69 in [43 mm]	2.46 in [62 mm]	1.78 in [45 mm]
	3-way			3.17 in [81 mm]		3.19 in [81 mm]	
1" [DN25]	2-way	7.4 to 19.0	6.4 to 16.0	3.78 in [96 mm]	1.88 in [48 mm]	2.82 in [72 mm]	1.88 in [48 mm]
	3-way			3.80 in [96.5 mm]		4.27 in [108 mm]	
1-1/4" [DN32]	2-way	10.0 to 35.0	8.6 to 30.0	4.15 in [105.5 mm]	2.20 in [56 mm]	3.41 in [87 mm]	2.4 in [61 mm]
	3-way			4.35 in [110.5 mm]		4.95 in [126 mm]	
1-1/2" [DN40]	2-way	19.0 to 35.0	16.0 to 32.0	4.39 in [111.5 mm]	2.20 in [56 mm]	3.41 in [87 mm]	2.4 in [61 mm]
	3-way			4.39 in [111.5 mm]		4.95 in [126 mm]	

## Wiring Diagram



The auxiliary switch is factory preset to 10°–80°

### Mounting Instructions

Before beginning installation, ensure to set the actuator at a 45° position.

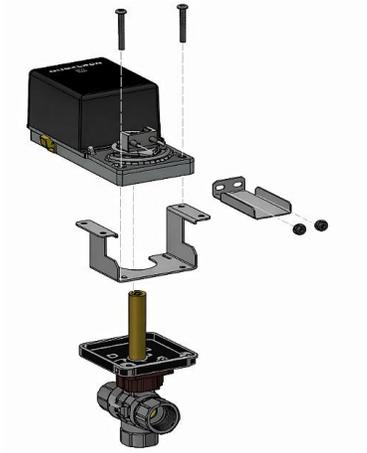
#### Step 1 – Remove the Old Handle

- Remove the existing handle and the metal mounting plate.
- Discard or recycle the removed parts according to your site requirements



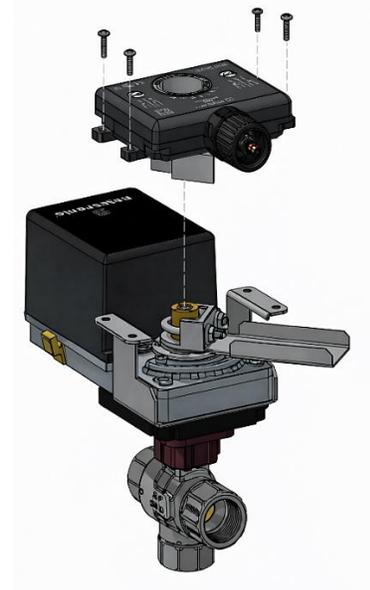
#### Step 2 – Move the Actuator to the New Bracket

- Unscrew the actuator from the existing bracket assembly.
- **Note:** Small retaining nuts remain inside the bracket—do not remove or lose them.
- Arrange the actuator and new bracket components as shown in the exploded view below.



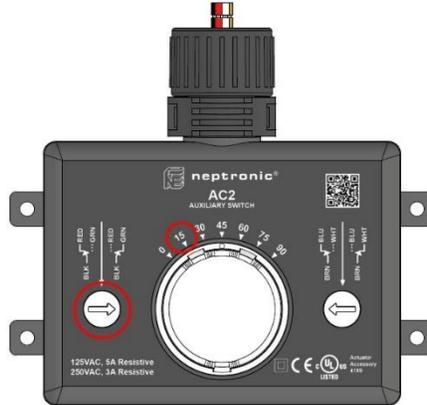
#### Step 3 – Install the Actuator Assembly (AC2)

- Align the actuator assembly onto the valve/bracket assembly.
- Install the 4 mounting screws and tighten evenly.
- Confirm the actuator sits flush and is securely fastened.



### Actuator Positioning

1. Turn the dial on the auxiliary switch to the desired position for the actuator lower contact.
2. Using a flathead screwdriver, turn the left arrow on the auxiliary switch so that the arrowhead is aligned with the arrow on the wiring diagram.



3.

15° Position

4. Turn the dial on the auxiliary switch to the desired position for the actuator's upper contact.
5. Using a flathead screwdriver, turn the right arrow on the auxiliary switch so that the arrowhead is aligned with the arrow on the wiring diagram.



Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult [www.neptronic.com](http://www.neptronic.com).