

Servo Controller SV95



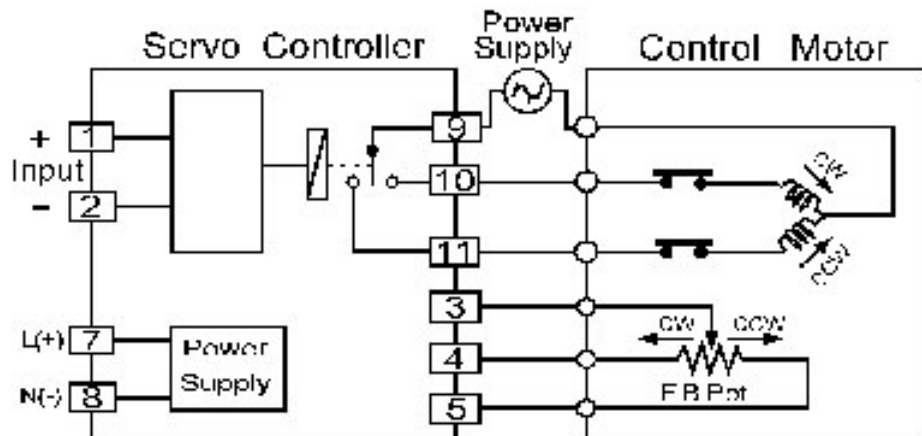
- Control Motorized Valves
- Controls Valve Opening From 0% To 100%
- 4-20 Ma Or 0-10 VDC Control Signal
- Relay Contact Output

Server Controller SV95 This device controls the opening and closing position of a motorized valve, ensuring the valve's opening percentage corresponds to the received control signal. The Servo Controller SV95 accepts control signals-such as 4-20 mA or 0-10 VDC and outputs relay contact signals to command the motorized valve to rotate to the position dictated by the input signal.

For example, within the 0-10 VDC control signal range, if the SV95 receives a 5 VDC signal, it will control the valve to open to the 50% position.

Installation Recommendations

1. If the valve position cannot be controlled after applying the input signal-causing the valve to rotate to the fully open or fully closed position the feedback potentiometer connections are incorrect; swap the wires connected to terminals 4 and 5.
2. The Zero button is used to adjust the valve to the 0% position when the input signal is 0%.
3. The Span button is used to adjust the valve to the 100% position when the input signal is 100%
4. The Dead Band knob is used to adjust the system's sensitivity. If the motor oscillates continuously, increase the Dead Band setting by turning the knob clockwise until the oscillation stops.



Specifications

Analog Input

Number of channel: 1 Channel

Input type: Current, Voltage

Input range:

Current (4 to 20 mA)

Voltage (0 to 10 VDC (Optional))

Feedback Resistance: 100 Ω to 10 K Ω

Relay Output

Number of channel: 1 Channel

Relay Type: N.O., N.C. (SPDT)

Contact Rating: 3 A @ 250 VAC

Dead Band: 1 to 10 % of input range

Span: 70 to 100 %

Zero: 0 to 20 %

Power Requirements

Power Supply: 110, 220 VAC

24 VDC (Optional)

Environmental Limits

Operating Temperature: 0 to 55 $^{\circ}\text{C}$

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 $^{\circ}\text{C}$

Physical Characteristics

Dimension: W50 x H70 x D130 mm.

Mounting: Wall or DIN Rail

Connection: Plug - in 11 pins socket

Wiring: Screw Terminals on Base Socket

Warranty

Warranty Period: 5 Year

Ordering Information: Specify Input, Power Supply

Example SV95/4-20 mA/220 VAC

Package Checklist

1. SV95