



Need To Drive Servo Valves With Precision And Interface With CAN? Axiomatic Offers A Servo Valve Driver Line Featuring 4 Signal Inputs, 2 Bidirectional Outputs And DIN Rail Mounting.

New model [AX024030](#) is commanded via four universal signal inputs and provides an H-bridge output of up to 600 mA. The outputs are controlled by a high frequency signal (25 kHz) with low frequency dither superimposed on top. The current sensing measurement feature provides an accurate current output to the servo valve. Command inputs from a PLC or other control master can be 4-20 mA, 0-20 mA, 0-5 VDC, 0-10 VDC, ± 5 V, ± 10 V, PWM, or Digital signals and can also act as an Enable.



AX024030

The controller interfaces with an SAE J1939 CAN network for command messages or to report the measured current through the load.

The sophisticated control logic allows the user to program the controller for a wide range of applications. Configurable control algorithms include a PID, Math, Lookup Table, Conditional Logic, DTC reset, CAN Transmit, CAN Receive, Input, Output, Constant Data, Programmable Logic, and Diagnostic function blocks. The controller can be configured using the Axiomatic E-WRITE NFC mobile application on an iPhone or an Android device with Near Field Communication (NFC). These servo valve controllers are highly responsive and highly accurate, designed to drive actuators and hydraulic valves with precise control in industrial automation, motion control, and automotive applications.

For a lower current servo valve application, controllers with output of ± 400 mA offer better precision.

[AX024010](#) interfaces with SAE J1939 CAN bus and is configured using the Axiomatic E-WRITE NFC mobile app. Axiomatic also provides a CANopen® model, [AX024011](#), configurable using standard CANopen® tools.



AX024011

All controls feature protections and safe functionality. Over-voltage or under-voltage power supply will automatically disable ALL outputs. Fault detection is available for both outputs.

All models operate from -40 to 85 °C (-40 to 185 °F) and accept 12 or 24 VDC nominal (9 to 36 VDC) power input.

Axiomatic Technologies Inc. opens their doors on June 1, 2026 at the following location:

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