

PRESS RELEASE

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Axiomatic shows at Conexpo 2026 their rugged 10A H-Bridge Controller with 2 Universal Inputs and SAE J1939 CAN interface, suitable for off-highway and agricultural equipment.

The Axiomatic H-Bridge Controller, P/N: [AX100520](#), accepts two universal signal inputs and provides one output up to 10 A as a full H-Bridge or proportional output. The two universal inputs and the proportional output are both programmable as analog or digital type command signals. Powerful control algorithms allow the user to program the controller for a range of applications – including control systems for actuators, valves, and DC motors – without the need for custom firmware. The [AX100520](#) control device features auto-baud-rate detection on the SAE J1939 CAN bus and is user configurable over the CAN bus by using the Axiomatic Electronic Assistant, P/N: [AX070506K](#).



[AX100520 — 2 Universal Inputs, 10A H-Bridge Output Controller, SAE J1939](#)

The converter interfaces with machine battery power, operating from 8 to 80 VDC at 12, 24, or 48 VDC nominal. Surge, reverse polarity, over-voltage, and under-voltage protections are provided.

The rugged H-Bridge Controller features one 8-pin AMPSEAL connector and is fully enclosed with an IP67 rating to protect against water and dust exposure. [AX100520](#) is designed to operate from -40 to 85°C (-40 to 185°F). The H-Bridge device is designed for harsh environments including, but not limited to, off-highway and agricultural equipment.

For more details, please visit the [AX100520](#) webpage.

Axiomatic is developing a CANopen® version of the 2 Universal Inputs, 10 A H-Bridge Controller, P/N: AX100521.



You can browse through our catalog of [H-Bridge Controllers](#), [Motor Drives & Controllers](#), and other [Hydraulic Valve Drivers & Controllers](#).

Axiomatic specializes in the design, development, and production of controller and power converter solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products in both Canada and Finland, while our manufacturing operations are in Canada. Sales offices are in Australia, Canada, Finland, and USA.

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Visit Axiomatic at CONEXPO CON/AGG 2026 in Las Vegas, NV from March 3-7, 2026.

Join us in the North Hall at booth N10545.

