

PRESS RELEASE

February 28, 2025 – Mississauga, ON, Canada

**Axiomatic is releasing a rugged Dual H-Bridge Controller with 2 Universal Inputs and CAN interface, suited for harsh environments.**

The Dual H-Bridge Controller accepts two universal command signal inputs and provides two **full H-bridge** or proportional (voltage and current) outputs (up to 10 A). Its flexible circuit design allows the user to select multiple configurable input and output types. Powerful control algorithms allow the user to program the controller for a wide range of applications using the Axiomatic Electronic Assistant without the need for custom firmware. It features auto-baud-rate detection for the SAE J1939 network connection.



**The Dual H-Bridge Controller may be used in machine control systems for actuators, valves, and DC motors.**

Interfacing with machine battery power, it operates from 8 to 80 VDC at nominal voltages 12, 24, or 48 Vdc. Surge, reverse polarity, overvoltage, and undervoltage protections are provided.

The power converter is fully enclosed with an IP67 rating and features one 14-pin TE AMP connector. It is designed for harsh environments having power transients, humidity, vibration, and shock. It operates from -40 to 85°C (-40 to 185°F).

Visit <https://products.axiomatic.com/item/motor-controllers/ax100500/ax100500> for more details.

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