

PRESS RELEASE

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**Axiomatic releases a compact H-Bridge Controller with 3 Universal Inputs and 2 Outputs, suited for harsh environments.**

The AX103000 has three universal signal inputs. Each of the two outputs can provide up to 2.5 A of current and can be configured as proportional current, proportional voltage, PWM duty cycle, hotshot digital. Each output is a half-bridge or can be used as an independent high or low side output. The two outputs together form one full H-bridge which can be used to drive DC motors.

Flexible circuit design gives the user a wide range of configurable input and output types. Powerful control algorithms allow the user to program the controller for a wide range of applications without the need for custom firmware. The controller can be configured with Axiomatic Electronic Assistant. It can communicate over CAN SAE J1939 networks and features auto-baud-rate detection.

It can run on DC voltage between 8 to 36 V. Surge, reverse polarity, overvoltage, and undervoltage protection is provided.

The device has an IP67 rated enclosure with one 12-pin TE Deutsch connector and can withstand dust exposure and high humidity. It is designed for harsh environments having power transients, vibration, and shock. It operates from -40 to 85°C (-40 to 185°F).



Visit <https://products.axiomatic.com/item/motor-controllers/motor-controller-with-inputs/ax103000> to see detailed specifications.

The AX103000 comes from our Motor Drives and Controllers line-up which, among others, includes:

- AX100600, 5A Brushed DC Motor Controller
- AX100240, BLDC Motor Controller, 50W, SAE J1939
- AX100310, Unidirectional DC Motor Controller, Encoder Input, SAE J1939
- AX100750, Dual Stepper Motor Controller, SAE J1939



You can browse through the complete catalog of our Motor Drives and Controllers at:  
<https://products.axiomatic.com/category/motor-controllers>

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