

PRESS RELEASE

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**Axiomatic Technologies Corporation releases new actuator controllers for engines in industrial vehicle, commercial truck and off-highway equipment.**

The AX100240 Motor Controller drives a BLDC motor integrated into an engine filter on an excavator and provides 50W of power. The unit is networked via SAE J1939.

The dual stepper motor controller, AX100750, provides simple and accurate control of the levels, waveforms, timing and phase-shifts of the current for a two-phase stepper motor at 2A per phase and via SAE J1939 command messages. There are two universal inputs for voltage, current, frequency or PWM (user selectable) to act as a command source for a run-time parameter, feedback in a PID control loop or as an E-stop command. An encoder input and one universal (proportional current, voltage, digital), sinking or sourcing output (up to 2.5A) to drive a valve, relay, brake or other load are included in the functionality of this controller. It is used in truck and engine applications.



Axiomatic BLDC motor controllers provide precision speed control of fans, pumps, or actuators and in the engine market.

Axiomatic brushed DC motor controllers such as AX102100 operate the steer function and AX105000 operates the drive function industrial lifts. Other controllers operate tailgate lifts. Additional I/O on the controller can drive machine hydraulic functions (boom-in / boom-out), control a machine brake, and monitor sensors / switches for safety features.

Axiomatic motor controllers feature compliance for harsh environments with surges, power transients as well as exposure to dust, water, humidity, and vibration. They are designed for utilization on outdoor and indoor industrial vehicles.

Contact: Amanda Wilkins, Marketing Manager, TEL: 1-905-602-9270x224 [amanda.wilkins@axiomatic.com](mailto:amanda.wilkins@axiomatic.com)