

Axiomatic announces its newest hydraulic valve driver, the 8:5 Valve Control with CAN, designed to improve productivity and reduce emissions in mobile equipment. It is suited for OEM control applications such as fan drive systems and transmission controls.

Axiomatic's cost effective hydraulic valve controllers and fan controllers are designed for a variety of applications such as road construction and agricultural equipment. They are built with rugged environmental and mechanical features to suit such harsh environments. The sophisticated processing capabilities of our standard platforms along with Axiomatic's application engineering services for custom applications offer a wide choice of solutions to the machine designer needing to control primary functions or add auxiliary functions.

This new 8:5 Valve Controller is designed to control 5 proportional or on/off solenoid valves from a variety of input sources. It accepts voltage, current, resistance, frequency, digital, and PWM from six universal inputs. This Valve Controller offers the end user a high value/cost ratio. With superior processing technology which includes user configurable PID capability, the AX021900 controller is an economical solution to meet the complex control requirements of many standard functions on an off highway machine today.



Features:

- Inputs:
 - 6 universal analog signal inputs (current, voltage, resistive, frequency, digital or PWM)
 - 1 digital input for enable/disable functionality
 - 1 magnetic pickup sensor input (RPM)
- Outputs:
 - 4 proportional or on/off valve drivers up to 2.5 A
 - Open or closed loop (PID) drive is user configurable.
 - 1 digital output up to 2.5A
 - Fully protected
- 1 CAN (SAE J1939) port (CANopen® on request)
- 12V, 24V or 48V nominal
- Rugged IP67 packaging and connectors for harsh environments
- **Flexible user programming** for application-specific control logic via the CAN based Electronic Assistant® 

Typical **applications** can include:

- Industrial, off-highway (mobile) and marine applications for the control of hydraulic proportional poppet or spool valves
- Closed loop control of hydraulic valves
- Interface with a diesel engine's electronic control module PWM signal to drive accessories
- Transmission controls
- Fan drive controls
- Vehicle traction control (on request)

Axiomatic's family of SAE J1939 and CANopen® controls help the machine designer meet emission requirements and improve productivity. Contact Axiomatic for an application-based control solution!

In addition to our wide range of I/O and hydraulic valve drivers with new functionality, Axiomatic can now offer control options for actuating DC motors, BLDC motors, powering lighting and auxiliary devices as well as battery charging.

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