Want rugged I/O controls that meet your safety standards? Axiomatic releases a CAN-based valve controller designed for SIL2 and PLd functional safety requirements.



AX022900 — 4 Inputs, 4 Outputs Dual CAN Controller, SAE J939

AX022900 has 4 signal inputs—selectable as 0-5V, 0-10V, 0-20mA, 4-20mA, 1Hz to 10kHz, or digital to drive up to 4 outputs—configurable as 0-5A, 0-Vps, 1Hz to 10kHz, or On/Off. The Controller features 2 SAE J1939 ports with auto-baud-rate detection. Wake-on-CAN capability is available using CAN Port 1. The CAN controller accepts 12 or 24 VDC nominal for battery powered off-highway equipment applications. The device is designed to meet the EMC requirements of ISO 13766-1:2018 and the functional safety requirements of SIL2 and PLd.

SAE INTERNATIONAL

ENGINEERING e-source

Rugged 3A Valve Controller with 2 J1939 interfaces



AX020800 is commanded by 4 inputs (0-2.5V, 0-10V, 0-20mA, 4-20mA, 0-250kΩ, 0-10kHz, PWM, and digital) from sensors, joysticks, switches, or push-buttons. It generates 8 proportional outputs up to 3A (0-Vps, 0-3A, PWM, hotshot, on/off, or disable) capable of driving actuators or hydraulic valves.

More Information

Check out Axiomatic's newest feature in the SAE Media Group International Engineering e-Source where we discuss our 3A Dual CAN Valve Controller, AX020800!

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