

## Axiomatic Releases Rugged and Versatile 8 Input, 5 Output Valve Controller



The AX021910 8 input, 5 Output Valve Controller has CE marking and CAN (SAE J1939) Auto-Baud-Rate Detection

Introducing the [AX021910](#), a new valve controller designed for off-highway applications. It offers unmatched configurability and performance in a rugged package.

#### Configurability:

- Flexible circuit design for easy input/output configuration.
- Powerful on-board microcontroller eliminates custom software needs.

#### Diverse Signals:

- Seven universal inputs read voltage, current, resistance, frequency, or digital signals.
- Magnetic sensor circuit reads AC signals and converts them to frequency (RPM).
- Five configurable universal outputs handle various loads.

#### Control:

- Highly programmable for diverse applications.
- Operates as a standalone system or integrates into CAN J1939 networks.
- Built-in protection features ensure system safety.

#### Networking:

- Supports multiple baud rates and auto-baud-rate detection for SAE J1939 networks.

[Learn More About AX021910](#)

The [AX021910](#) is the latest addition to our line-up of valve controller which includes:

- AX020420, 12 Input, 12 Output Valve Controller, SAE J1939
- AX020530, 7 Inputs, 5 Outputs Valve Controller, +5V, SAE J1939
- AX024001, 4 Inputs, 2 Bidirectional 0-400 mA Outputs Valve Controller, CANopen®

[View the Full Product Line](#)



Axiomatic releases a compact IP67-rated 4 Port Gigabit Ethernet Switch suited for harsh environments.

The [AX140720](#) Four Port Gigabit Ethernet Switch operates as an unmanaged switch. It can connect to four different Ethernet capable devices. Three of these ports can communicate up to 1000 Mbps (Gigabit Ethernet) and one port can communicate up to 100 Mbps. Each port has LED indicators showing the status of the ports.

It runs on 8 to 36 VDC voltage power supply. Reverse polarity, transient, and surge protection is provided.

[AX140720](#) has an IP67-rated enclosure with four 8-pin M12 Phoenix female connectors. It is designed for harsh environments having power transients, high humidity, vibration, and shock. It operates from -40 to 70 °C (-40 to 155 °F).

[Learn More About AX140720](#)

The [AX140720](#) is Axiomatic's first Gigabit Ethernet Switch from our Connectivity product line-up which, among others, includes:

- AX140700C, 6 Port Ethernet Switch (100 Mbps)
- AX141400, 6 Port Ethernet Switch with POE (100 Mbps)
- AX140730, 16 Port Gigabit Ethernet Switch (Coming soon)

In addition to the above, Axiomatic is also releasing its first Gigabit Automotive Ethernet Switch AX141570 soon.

[Browse Connectivity Devices](#)



Axiomatic releases an IP67-rated rugged and compact controller with 4 universal outputs and CAN SAE J1939 interface.

The [AX030560](#) CAN to 4 Universal Outputs Controller is a versatile and compact SAE J1939 controller. It offers a variety of output types: analog current, analog voltage, digital PWM, digital frequency, and digital On/Off.

The controller communicates over an SAE J1939 compliant CAN bus. It can operate at standard 250 kbit/s and 500 kbit/s and non-standard 667 kbit/s and 1 Mbit/s baud rates. It detects the required baud-rate automatically upon connection to the J1939 network.

The [AX030560](#) accepts power supply voltages from 9 to 60 VDC. It is protected against reverse polarity, surge, undervoltage, and overvoltage faults. It can work in temperatures from -40 to 85°C (-40 to 185°F). The ultrasonically welded enclosure is rated IP67 against dust and water ingress.

The controller may be used in distributed control applications in:

- Power generator sets
- Off-highway equipment
- Oil & gas equipment

[Learn More About AX030560](#)

The [AX030560](#) adds to Axiomatic's wide range of rugged CAN I/O controllers which provide Current, Voltage, Frequency, Resistive, and/or Digital inputs and outputs. Some of these controllers are listed below:

- AX030540, 4 Analog Signal Outputs, J1939
- AX030520, 1 Analog Signal Output Controller, SAE J1939
- AX130750, CAN to 2 Analog/Digital Signals, 1 Relay Output Converter, SAE J1939
- AX130760, V/I/PWM Signal Output, CAN Controller, SAE J1939

[Valve Our Controllers Catalog](#)

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**We look forward to working with you!**