

PRESS RELEASE

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Axiomatic releases two rugged Dual LED Outputs Controllers with CAN (SAE J1939 or CANopen®), suitable for use in harsh conditions.

The two Dual LED Outputs Controllers support two independent LED outputs. Each output is capable of driving LEDs from 20 mA up to 600 mA, providing ample power for a variety of lighting configurations of up to 28 V. The outputs offer dual control modes, allowing for both Direct Current (DC) operation for steady illumination and Pulse-Width Modulation (PWM) for dimming and dynamic lighting effects via CAN commands.

The controllers have one CAN port each. Built on the reliable SAE J1939 and CANopen® protocols respectively, the [AX031600](#) and [AX031601](#) ensure seamless integration into existing vehicle or machine communication networks. The SAE J1939 model features auto-baud-rate detection and can be configured using the Axiomatic Electronic Assistant tool. The CANopen® unit comes with an EDS file for configuration with the standard CANopen® interfacing tools.

The flexibility and robust design of these LED output controllers make them ideal for demanding environments, delivering precise and reliable LED control across a range of applications including, but not limited to, off-highway equipment and commercial trucks.



Fig. [The AX031600 Controller](#)



Fig. [The AX031601 Controller](#)

These modules can operate with a battery power supply of 9 V to 36 V and are protected against surge and transients, reverse polarity, overvoltage, and undervoltage faults. The outputs have short circuit protection. They can work at temperatures from -40 to 85 °C (-40 to 185 °F). Their sealed enclosures are IP67 rated against dust and water exposure.

For more details, please visit the webpages of [AX031600](#) and [AX031601](#) on Axiomatic's website.



The [AX031600](#) and [AX031601](#) are the newest releases as Axiomatic expands its LED controllers line-up.

- AX130601, Wake-On-Charge Module, 2 LED Outputs, CAN 2.0B, SAE J1772 Compliant
- AX031300, 10 LED Outputs CAN Controller, SAE J1939
- AX031301, 10 LED Outputs CAN Controller, CANopen®

You can browse through our catalog of [LED CAN controllers](#) and other [I/O controls and signal converters](#).

Axiomatic specializes in the design, development, and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products and components in both Canada and Finland, while our manufacturing operations are located in Canada.

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