

PRESS RELEASE

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Axiomatic offers compact, IP67-rated CAN controllers with 1 universal signal input, designed for machine control in harsh and demanding applications.

Axiomatic Universal Signal Input CAN Controllers are smart controllers with programmable internal logic. [AX030530](#) and [AX031700](#) interface with a SAE J1939 CAN bus network and are configurable using the Axiomatic Electronic assistant, P/N: [AX070506K](#). [AX031701](#) interfaces with a CANopen® network and is configurable using standard CANopen® tools.



[AX031701 — 1 Universal Signal Input CAN Controller, CANopen®, Compact](#)

The universal signal input in models [AX031700](#) or [AX031701](#) is user selectable as: Voltage (0-5 V, 0-10 V); Current (0-20 mA, 4-20 mA); Frequency (0.5 Hz to 10 kHz); PWM (0.5 Hz to 10 kHz); or Digital (active high/active low). In model [AX030530](#), additional signal input choices include 0-1 V, 0-2.5 V, or resistive input of 20 Ω to 250 k Ω (auto range or user selectable ranges).

[AX031700](#) and [AX031701](#) accept 12 or 24 VDC nominal power from a battery or other power source and are built with a nylon 66 and ultrasonically welded enclosure with an integral 6-pin TE Deutsch equivalent connector.

[AX030530](#) accepts 9 to 60 VDC power and is built with a rugged, encapsulated, painted aluminum enclosure with mounting holes and an integral 8-pin TE Deutsch connector.



[AX030530 — 1 Universal Signal Input Controller, SAE J1939](#)



[AX031700](#) and [AX031701](#) feature CE / UKCA markings and comply with EMI/EMC standards. The IP67-rated CAN controllers are engineered for durable and reliable performance in distributed controls for power generation, co-generation, and stationary power, industrial and off-highway equipment, and commercial vehicles.

For more details, please visit the [AX030530](#), [AX031700](#), and [AX031701](#) webpages.

Other models, [AX130760](#) and [AX130761](#), offer CAN interface with 1 universal signal output configurable as 0-5 V, 0-10 V, ± 5 V, ± 10 V, 0-20 mA, 4-20 mA, or PWM.

You can browse through our catalog of [1 Universal Signal Input CAN Controllers](#) and other [I/O Controls & Signal Converters](#).

Axiomatic specializes in the design and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers are based in both Canada and Finland, while our manufacturing operations are located in Canada. Sales offices are in Australia, Canada, Finland, and the USA.

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