

PRESS RELEASE

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The 4 Channel Strain Gauge CAN controller accepts up to four 4-wire strain gauge connections. The input range is user selectable from +/- 19.5 mV to +/- 2.5 Vdc. It interfaces with the machine's CAN network (SAE J1939). The measurement rate is 2.5 scans per second and the update rate is 400 ms for all 4 channels. Standard embedded software is provided. Rugged IP67 rated packaging and a power supply input of 12Vdc or 24Vdc nominal suits applications in the harsh environment of mobile equipment with on-board battery power. All setpoints are user configurable using the Electronic Assistant®.

**Features:**

- 4 channels for inputs from 4-wire full bridge strain gauges:
  - +/- 19.5 mV to +/- 2.5 Vdc (selectable)
- 1 digital input, 1 digital on/off output
- 1 interlock (relay) output
- 12V, 24Vdc (nominal) power input
- 4 +5V excitation connections
- 1 CAN port (SAE J1939 or CANopen®)
- Rugged packaging and connectors (Deutsch IPD)
- Suitable for rugged, high vibration environments
- Designed for EMC Compliance
- RoHS/REACH Compliant
- MTBF reliability data available
- Standard control logic
- User programmable functionality (Electronic Assistant®)
- Designed with Simulink®
- Software modifications provided to meet specific requirements



**Applications:** construction equipment, lift equipment and cranes

*Axiomatic designs and manufactures electronic machine controls, power converters, gateways and motor controls for the off-highway, on-highway, bus, electric vehicle, military, power generation, material handling, industrial and alternate energy markets. We provide efficient, innovative solutions that focus on adding value for our customers. We emphasize service and partnership with our customers, suppliers, and employees to build long term relationships and mutual trust.*

Notes:

Electronic Assistant® is a registered US trademark of Axiomatic Technologies Corporation.

CANopen® is a registered community trade mark of CAN in Automation e.V.

Simulink® is a registered trademark of The Mathworks, Inc.

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