

PRESS RELEASE

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The new *Thermocouple and Analog Signal Input to CAN Controller* adds data logging functionality and flexibility to our line of rugged controllers for marine engine and power generator set control systems. Simulink® software development allows OEM designers to program the device for specific applications.

Features: The TC/Analog Inputs to CAN Controller receives inputs from engine coolant, fuel and differential pressure sensors, engine temperature sensors, thermistors as well as thermocouples and is networked to a SAE J1939 based control system. Seven +5V references (10 mA) are provided to power the sensors. The 2 CAN bus ports are isolated from signal inputs and thermocouple inputs. Using the Electronic Assistant® programming tool, the user can select the desired inputs from the following signal options.

- 4 Thermocouples (Type J, K or T)
- 7 Analog Signals (0-5 V, 0-10V, 0-20 mA, 4-20 mA)
- 3 Universal Signal Inputs (0-5V, Thermistor, 0-20 mA, 4-20 mA, PWM, Frequency or Counter, Discrete)



A rugged power supply interface accepts 12 Vdc, 24 Vdc or 48 Vdc nominal for battery powered machine applications. The unit carries an IP67 rating. It has a CE mark for EMC and RoHS compliance. The rugged enclosure with four 12 pin Deutsch IPD connectors is suitable for diesel engine environments. It operates from -40 to 85°C (-40 to 185°F).

Applications:

- power gen set engine control systems
- oil and gas equipment automation
- marine engine applications
- off-highway machine automation

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.

Contact: Amanda Wilkins, Marketing Manager TEL:1-905-602-9270x224 Email:amanda.wilkins@axiomatic.com