

## PRESS RELEASE

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### New High Temperature Controller designed to meet the rugged demands of mobile equipment, agricultural and heavy duty industrial machine applications.

This new Dual Input, Dual Output Valve Controller (2i2o) is a high temperature controller for installation under the hood of a mobile machine. It has two fully configurable universal inputs and outputs. Inputs can be set up to read voltage, current, resistance, frequency, or digital command input signals. The outputs can be setup to drive proportional current, hotshot digital current, proportional voltage, proportional PWM and straight on/off digital loads. The product was developed with Simulink® providing sophisticated control algorithms that allow the user to program the controller for a wide range of applications without the need for custom software. It comes with 1 CAN port and is available in different models ranging from 250kpbs-1Mbps baud rates. It is suitable for harsh environments with rugged packaging and connectors as well as a CE mark for the EMC Directive.

#### Features:

- **2 universal signal inputs configurable as:**
  - Voltage, Current and Resistance
  - PWM Duty Cycle
  - Encoder
- **2 proportional/digital outputs configurable as:**
  - Proportional Current
  - Proportional Voltage
  - Proportional PWM (1Hz to 25kHz)
  - Hotshot Digital or On/Off Digital
- 1 +5V Reference
- **Fully protected outputs**
- 12V, 24V or 48Vdc nominal
- **Operational up to 125°C temperature**
- Developed with Simulink®
- 1 CAN (SAE J1939) port (CANopen® on request)
- 250kpbs, 500kpbs and 1Mbps baud rate models
- **Rugged IP67**



*The Dual Input, Dual Output Valve Controller (2i2o) is designed for high temperature operation and versatile control of up to two proportional outputs to directly drive coils, actuators or other loads.*

#### Applications:

- **Proportional Fan Drive Control**
- PID Closed Loop Valve Control
- Hydraulic Valve Control
- Signal Conversion

*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.*

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