



PRESS RELEASE
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The Axiomatic 20 or 4 Thermocouple (TC) and 8 RTD Scanners send engine low or high temperature warnings, detect high temperature shutdowns and sense TC or RTD open circuit conditions. The module communicates over CANopen® to the control system of an industrial genset. Axiomatic announces the release of three new CANopen® engine management controls, part numbers AXTC20CO, AXTC4CO and AXRTD8CO respectively. These controllers are part of a growing line of low cost and rugged distributed I/O controls for CAN networks and packaged for harsh operating environments.

20 Thermocouple Scanner, CANopen®
(8 RTD model is available with the same packaging.)



4 Thermocouple Scanner, CANopen®



Applications:

- Distributed controls for industrial power gen sets and backup power engine control systems

Features:

Model AXTC20CO: 20 Thermocouple Inputs, CANopen®

- Accepts 20 type J, K, B, E, N, R, S or T thermocouples (8 RTD input model available)
- Temperature is measured in °C, with a 0.001°C resolution.
- The scanner will send temperatures with +/- 1°C accuracy.
- Cold junction compensation is provided as an enable/disable function.
- It flags low temperature warnings, high temperature warnings, or high temperature shutdowns to the engine control system.
- Average temperature of all the active channels, or all channels from a block of 10, can be broadcasted to the CAN network.
- It detects open circuits on the sensor wires.
- 12V, 24V or 48VDC input power (nominal)
- All channels are fully isolated from each other, the CAN lines, and from the power supply.
- 1 CANopen® port (SAE J1939 available)
- 1 RS-232 port
- Rugged IP65 packaging and connectors
- Configurable with commercially available CANopen® tools (not supplied)

Features:

Model AXTC4CO: 4 Thermocouple Inputs, CANopen®

- Accepts 4 Type J, K or T thermocouples
- Temperature is measured in °C, with a 0.001°C resolution.
- The scanner will send temperatures with +/- 1°C accuracy.
- Cold junction compensation is provided as an enable/disable function.
- It flags low temperature warnings, high temperature warnings, or high temperature shutdowns to the engine control system.
- Average temperature of all the active channels, or all channels from a block of 2, can be broadcasted to the CAN network.
- It detects open circuits on the sensor wires.
- 12V, 24V, 48V or 60VDC input power (nominal)
- All channels are fully isolated from each other, the CAN lines, and from the power supply.
- 1 CANopen® port (SAE J1939 available)
- 1 RS-232 port
- Rugged IP67 packaging and connectors
- Configurable with commercially available CANopen® tools (not supplied)

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

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

In Europe:
Axiomatic Technologies Oy
Höytämöntie 6
33880 LEMPÄÄLÄ - Finland
Tel. +358 3 3595 600
Fax. +358 3 3595 660
www.axiomatic.fi

In North America:
Axiomatic Technologies Corporation
5915 Wallace Street
Mississauga, ON Canada L4Z 1Z8
Tel. 1 905 602 9270
Fax. 1 905 602 9279
www.axiomatic.com