

PRESS RELEASE

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Axiomatic has developed a line-up of rugged RTD modules for engine temperature monitoring.

The 8 Channel RTD Module, [AX180300](#), anchors a family of Pt100 and Pt1000 interface devices for accurate genset engine temperature monitoring over CAN bus. The scanner monitors 8 Pt100 inputs from a diesel engine and automatically provides temperature data to the engine control system over an SAE J1939 CAN bus when power is applied; no additional programming or configuration required. The controller supports 2-wire or 3-wire RTD sensors and the RTD inputs are isolated from the CAN communication and power supply. The controller features auto-baud-rate detection and is user configurable using the Axiomatic Electronic Assistant, P/N: [AX070506K](#).



[AX180300 — 8 Channel RTD Scanner, SAE J1939](#)

The RTD Scanner requires a power supply of 12 or 24 VDC nominal (8 to 65 VDC). [AX180300](#) features EMC compliance and Marine Type Approvals for ABS, BV, CCS, DNV, LR, and RINA. The module is enclosed in a rugged, IP67-rated housing with stainless steel end plates and neoprene gaskets.

The 8 Channel RTD Scanner is just one of the products featured in the Axiomatic RTD Module line-up.



[Resistance Temperature Detector \(RTD\) Modules](#)

Below is a brief comparison of all currently available RTD Modules.

P/N	Inputs	Outputs	Communications
AX180000	3 RTD 7 universal signals	2 digital signals	1x SAE J1939, ABR 1x Ethernet (Modbus TCP/IP)
AX180010	3 RTD 7 universal signals	2 digital signals	1x SAE J1939, ABR
AX180300	8 RTD	-	1x SAE J1939, ABR
AX180800	20 TC 2 RTD 4 universal signals	6 relays	2x SAE J1939, ABR 1x Ethernet (Modbus TCP/IP)
AX184000	12 RTD 4 universal signals	-	1x SAE J1939, 250 kbps
AX184000-01	12 RTD 4 universal signals	-	1x SAE J1939, 500 kbps
AX184000-02	12 RTD 4 universal signals	-	1x SAE J1939, 1 Mbps
AX184200	20 RTD	-	1x SAE J1939, ABR
AX184300	2 RTD 1 universal signal	-	1x SAE J1939, ABR



You can browse through our catalog of [Resistance Temperature Detector \(RTD\) Modules](#) and other [Engine Temperature Monitoring Solutions](#).

Axiomatic specializes in the design, development, and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products and components in both Canada and Finland, while our manufacturing operations are located in Canada. A US location is underway.

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