



PRESS RELEASE

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Marine type approvals ensure environmental and electrical ruggedness for Axiomatic engine control system modules in applications on ships worldwide.

The Axiomatic Discrete I/O Module, Thermocouple Scanner and RTD Scanner meet the environmental, EMC and vibration requirements of generator set applications in marine installations. They have type approvals from several marine societies (LR, DNV, ABS, BV, RINA, etc.).

The controls feature rugged packaging and watertight Deutsch IPD connectors for an IP56 rating. The module is UL recognized for UL508 (FTPM2) – Controls for Stationary Engine Driven Assemblies and has a cUL recognition as well. The control carries a CE mark for the EMC and RoHS Directives.

The units are battery powered devices with the ability to withstand engine cranking, jump start, reverse polarity and various transient power conditions.

The Discrete I/O Module reads 12 discrete inputs and sets 8 Form C relay outputs while networking with other CAN devices in a machine control system. A bi-color LED indicates operational status.

The RTD Scanner monitors 8 RTD inputs from a diesel engine and the temperature information is provided to the engine control system over CAN. RTD inputs are isolated from the CAN communication and power supply.

The Thermocouple Scanner monitors up to 20 thermocouples and provides the temperature information to the engine control system over CAN bus. The channels are independently configurable as Type J, K, B, E, N, R, S or T thermocouples. Temperature information can include exhaust temperature, winding temperature, and fluid temperature monitoring. All channels are fully isolated from the CAN line, and from the power supply.

Both SAE J1939 and CANopen® models are available. Users program custom functionality with the Axiomatic Electronic Assistant® for J1939 models or via an .EDS file with standard service tools for CANopen® Object Dictionary. Alternatively, a RS-232 interface allows for quick user configuration adjustments using Windows HyperTerminal or other similar terminal software. Settings are saved to non-volatile memory upon command.

Axiomatic designs rugged electronic and power controls for OEMs of off-highway, mining, oilfield services, electrical power generation, electric vehicle, bus, truck and military equipment. We provide efficient, innovative solutions that focus on adding value for our customers. We emphasize service and partnership with our customers, suppliers, and employees.

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