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XCAN-ECU

Features

- *Rugged Sealed Electronics*
- *Oil Pressure and Coolant Temp*
- *Engine Speed*
- *Battery Voltage*
- *Two Analog Outputs*
- *Six Relay Outputs*
- *Four Digital Inputs*
- *CANBUS SAE J1939 2.0*
- *CI Station Compatible*

New Engine Control Unit for Off Highway

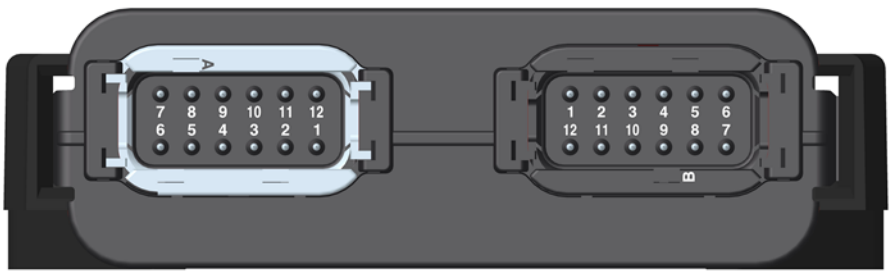
Using technological advances in todays advanced micro processors, Controls Inc. has designed an electronic platform that can transform a traditional mechanical engine to an ECU equipped, J1939 engine. The XCAN-ECU provides I/O to monitor and control the engine. Analog or Relay outputs can be used to drive a throttling device. J1939 Data is provided out on the CAN Bus for third party devices to monitor and display critical engine data and states. Custom firmware packages available to meet your requirements.

Auto Operation Ready

The XCAN-ECU can also provide the logic to automatically start and operate your engine. Using discrete input or CAN based messaging, the device will auto crank and run while providing critical oil pressure and coolant temperature safeties. If you are using an controllable governor, speed control can also be automated. Contact a Controls Inc. application engineer

GENERAL SPECIFICATIONS

CONTROLLER	XCAN-ECU
OPERATING VOLTAGE	6-32 VDC
POWER COMSUMPTION	300mA Nominal; 40mA Standby.
OPERATING AND STORAGE TEMP	-40C to +85C;
DISPLAY	None
ENCLOSURE	Deutsch EEC-352X4A, GORE Vented
PRIMARY GRAY CONNECTOR	Analog Outputs and Relay Outputs
SECONDARY BLACK CONNECTOR	Power, Flex Analogs, Speed Capture, CAN BUS, Digital Inputs



CAN BUS	(1) J1939 2.0B, 250 kbps	
MOD BUS	Optional RS485	
FLEX ANALOG INPUTS	(3) Resistive*	*Options include switch to Ground, switch to VBatt, 0-5VDC Analog, 4-20 mA Analog or Resistive Sender
DIGITAL INPUTS	(4) NO, Close to Ground	
SPEED CAPTURE	(1) MPU or Windings	
ANALOG OUTPUTS	(2) 0-5 VDC	50 mA Max
LED INDICATORS	Power, CAN & Relay States	