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www.controlsinc.com

XCAN-DC

Features

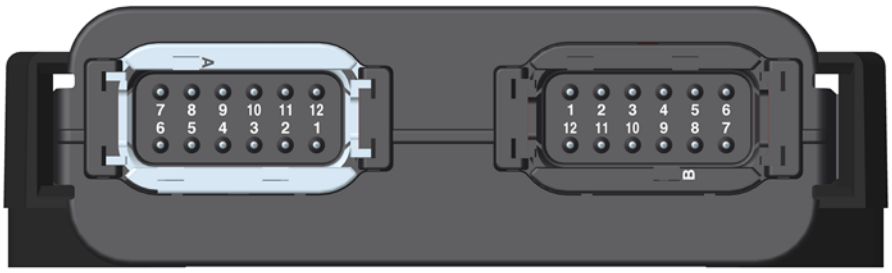
- *Rugged Sealed Electronics*
- *DC Voltage Monitoring*
- *DC Current Shunt*
- *Temperature Monitoring*
- *J1939 Communication*
- *Digital Inputs*
- *Relay Outputs*
- *Electric Vehicle Ready*
- *DC Generator Applications*
- *CI Station Compatible*

Power Monitoring for Electric Vehicles

Using technological advances in todays advanced micro processors, Controls Inc. has designed an electronic platform that monitors DC power and transmits the information on the J1939 CANBUS.. The XCAN-DC provides measurement of the DC Voltage as DC Current using a low side shunt circuit. Designed to be used in DC applications up to 250 Volts. From 230 VDC magnetic lifting equipment to 48 VDC electric vehicle, the XCAN-DC can provide you with the information you need to manage your system. There is also a thermistor input to monitor temperature along with two relay outputs and two digital inputs. All information is transmitted or controlled via the J1939 CAN Bus using proprietary messaging. Custom firmware packages available to meet your requirements.

GENERAL SPECIFICATIONS

CONTROLLER	XCAN-DC
OPERATING VOLTAGE	6-32 VDC
POWER COMSUMPTION	100mA Nominal; 40mA Standby.
OPERATING AND STORAGE TEMP	-40C to +85C;
DISPLAY	None
ENCLOSURE	Deutsch EEC-352X4A, GORE Vented
PRIMARY GRAY CONNECTOR	DC Voltage and Current Monitoring, Thermistor Input
SECONDARY BLACK CONNECTOR	DC Power, J1939 CANBUS, Digital Inputs, Relay Outputs



CAN BUS	(1) J1939 2.0B, 250 kbps
DC VOLTAGE	(1) 0-250 VDC
DC CURRENT	(1) Low side Shunt
TEMPERATURE	(1) Thermistor
DIGITAL INPUTS	(2) Close to Ground
RELAY OUTPUTS	(2) 5 Amp, Normally Open, Dry Common
LED INDICATORS	Power and CAN