



Accelerometer-Inclinometer

STYLE

The Dual Analog to CAN with Accelerometer is designed to monitor two analog inputs and transmit the information on the CAN bus. The module also is an accelerometer that can be used as a inclinometer or impact sensor that reads g-forces in 2 axis and transmit the information to the ES-Key network.

Features

The Dual Analog to CAN with Accelerometer is designed to monitor two analog inputs and transmit the information on the CAN bus. It has the ability to allow the user to select how the analog inputs and reference voltages are configured. The user can select each channel to read a 0-5 volt signal, 4-20mA signal, Thermistor signal, and one channel can be set to read a frequency. The user can select if the channel reference voltage is enabled or disabled. If the reference is enabled it can be selected to deliver a 5 volt or a 9 volt output. The module also is an accelerometer that can be used as a inclinometer or impact sensor that reads g-forces in 2 axis and transmit the information to the ES-Key network.

Applications/Solutions

- Emergency Responder OEMs
- Fire OEMs
- Firefighting - Airport (ARFF)
- Firefighting - Industrial
- Firefighting - Structural
- Firefighting - Wildland Forestry
- Specialty Vehicles
- 2 analog inputs - configurable (0-5v, 4-20mA, thermistor, frequency, 0-30v)
- 2 sensor reference voltages - configurable (diasabled, 5V, or 9V)
- 2 axis inclinometer
- Impact sensor - up to 8 g's



Specifications

Country of Manufacture	US
Width	3.50" (88.90 mm)
Height	2.096" (53.24 mm)
Depth	0.880" (22.35 mm)
Volts	+9 VDC ... +32 VDC
Amperage	30 mA (13.8 VDC) / 50 mA (27.6 VDC)
Can Specification	SAE J1939 proprietary 250 Kbits/second
Enviromental Range	IP 67

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Temperature range

- -40°C...+85°C

Electrical protection

- Internal thermal fuse
- Reverse voltage protection
- CAN buses protected to 24V
- ESD voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)