

SenderCAN®

SAE J1939 Input and Output Module

The SenderCAN is a compact, encapsulated input and output module for J1939 CAN bus systems. SenderCAN allows the integration of analog and digital measurement, control and indicating devices into modern CAN and ECU-based engines and systems.

SenderCAN has up to four inputs and two outputs, each of which is factory configured to OEM requirements. Inputs can be set for use with resistive sender or switch signals, which are translated into J1939 CAN bus messages with appropriate PGN address, data scaling and transmission rate. Outputs can be configured to drive gages, lamps, relays or other control devices based on received J1939 data.

Standard versions are available for use with common senders (for example, the FuelCAN™ and MeCAN™), but SenderCAN is primarily intended for OEM-specified input, output and CAN bus requirements. Please note that minimum order quantities or charges apply for custom solutions.

SenderCAN is compact and light enough for inclusion in most wiring harnesses but can also be surface mounted. The case is fully sealed in epoxy resin for high impact and environmental resistance.

Specifications

Power supply

Operating voltage: 7 to 35 VDC

Current consumption: 25mA (typ.)

Input/Output

Input range: OEM/application specific, -2 to +35 VDC max

Output: OEM/application specific, 250mA max.

CANbus: SAE J1939 protocol, optional 120 Ohm terminating resistor

Physical

Case material: High impact ABS, epoxy filled

Weight: Approx 60 g / 0.13 lb

Operating temperature: -40°F to +185°F / (-40° C to +85° C)

Environmental Sealing: IP65 case, exposed lead ends

Electromagnetic compatibility: 2004/108/EC

Electrical:

J1113-11 pulses 1c, 2a, 3a/b and 5a

EN 61000-4-2 ESD

EN 61000-4-3 Radiated disturbance

EN 61000-4-4 Fast transients

EN 61000-4-5 High Energy transients

EN 61000-4-6 Conducted RF disturbance

CISPR 16-1-2, 4.3 Conducted emissions

CISPR 16-2-3 Radiated emissions

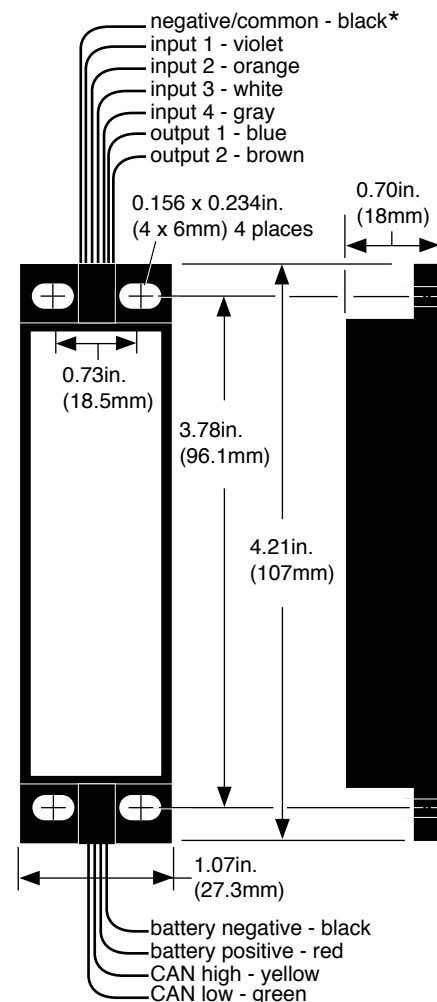
How To Order

Please contact your Murphy representative to discuss requirements. Also see FuelCAN and MeCAN variants literature.

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Dimensions* and Connections



* Wire lead not available for all configurations. Standard lead length 4in. (100mm) approx.

*Dimensions to be used for reference only. Use actual product for template.