FuelCAN

Fuel level sender to SAE J1939 transmitter

Features

- Compatible with Murphy ES series and other resistive fuel level senders
- Transmits fuel level data over CANbus SAE J1939 systems
- Compact, sealed epoxy-filled case

FuelCAN is a compact interface that translates an analogue fuel level sender signal into digital SAE J1939 CANbus data. The device allows integration of standard senders into modern J1939/CANbus engine instrument and control systems.

FuelCAN modules have three inputs (only one of which is connected at any one time): input 1 is configured for use with Murphy ES series resistive fuel level senders; inputs 2 and 3 can be used with fuel level senders having compatible resistance ranges as shown right.

FuelCAN inputs can also be factory-configured for use with other types of fuel level or resistive senders. Please note that minimum order quantities apply for custom solutions.

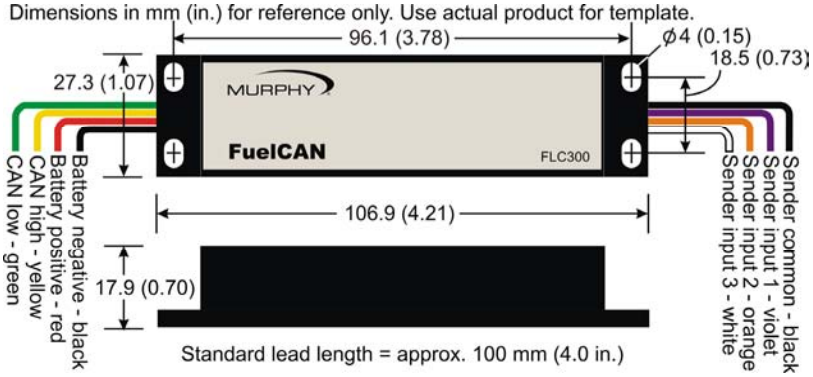
	fuel level / approx. resistance, Ohms				
	empty	**1/4**	**1/2**	**3/4**	**full**
Input 1 (Murphy)	240	147	96	60	33.5
Input 2	240	158	100	58	30
Input 3	10	56	95	138	180

A rear facing LED indicates input/CANbus status. FuelCAN is compact and light enough to be incorporated into wiring harnesses, but can also be surface mounted via four holes. The polycarbonate case is fully sealed in epoxy resin for high impact and environmental resistance.

Connection & Dimensions

(standard FLC300 shown)

Dimensions in mm (in.) for reference only. Use actual product for template.



How to order

part number	model/description
79.70.0006	Standard FLC300 FuelCAN module

To discuss custom FuelCAN or SenderCAN modules, please contact your local Murphy representative with details of your input sender characteristics and application.

Specifications

Power supply
Operating voltage: 7 to 35 VDC
Current consumption: 25mA (typ.)

Inputs
Maximum operating range: –2 to +35 VDC
Input 1 sender range, Ohms: 240 (empty) to 33.5 (full)
Input 2 sender range, Ohms: 240 (empty) to 30 (full)
Input 3 sender range, Ohms: 10 (empty) to 180 (full)

Outputs
CANbus: SAE J1939 protocol, PGN65276 ($00FEFC_{16}$), 2 sec update rate. 120 Ohm terminating resistor fitted.

Physical
Case material: high impact ABS, epoxy filled
Dimensions: see diagram left
Weight: approx 60 g / 0.13 lb
Operating temperature: –20 to +85 °C / –4 to +185 °F
Environmental sealing: IP65 case, exposed lead ends
Electromagnetic compatibility: 2004/108/EC