

# FuelCAN

## Fuel level sender to J1939 transmitter



### Description

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.

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

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.

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.

### 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.

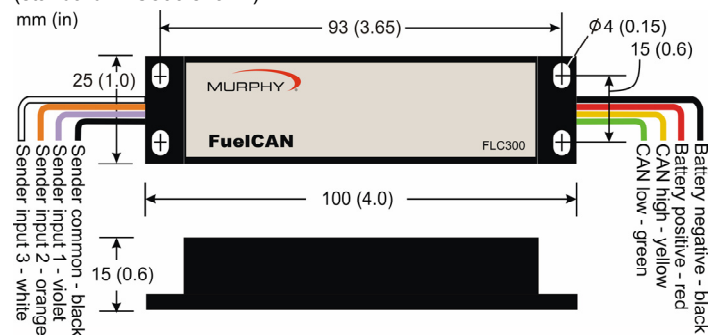
- **Compatible with Murphy ES series and other fuel level senders**
- **Transmits fuel level over CANbus J1939 systems**
- **Compact, epoxy-filled case**

### Product specification

<b>power supply:</b>	
operating voltage	7 to 35 VDC
current consumption	25mA (typ.)
<b>input:</b>	
max. 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)
<b>output:</b>	
CANbus	SAE J1939 protocol, PGN 65276 (00FEFC <sub>16</sub> ), 2 sec update rate. 120 Ohm terminating resistor fitted.
<b>physical:</b>	
case material	high-impact ABS, epoxy filled
case dimensions (l x w x h)	100 x 25 x 15 mm / 4.0 x 1.0 x 0.6 in.
weight	approx. 60g / 0.13 lb
operating temperature	-20°C to +85°C / -4°F to +185°F
environmental sealing	IP65 case, exposed lead ends
electromagnetic compatibility	2004/108/EC

### Connection & dimensions

(standard FLC300 shown)



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