

ECM 10gpiCAN Manual

ECM_10gpiCANmanual5-19-17.pdf

10gpiCAN is a general-purpose, ten channel CAN input module. Each of the ten channels can be individually assigned to measure a voltage, current, or frequency. ECM's Configuration Software is used to set up the module (Baud Rate, Node ID, Broadcast Rate, Inputs). Although only eight inputs can be viewed at one time using the Configuration Software, all ten are transmitted by the module.

Terminal assignments are shown on the module's label. The input connectors are Deutsch P/N: DTM06-12A (the gray one) and DTM06-12B (the black one). The terminal locks are P/N: WM12S. Terminals are P/N: 0462-201-2031 and are crimped using tool P/N: HDT-48-00.

Recommended module power is 12V to 24V (28V Maximum). Current draw is 25mA @ 24V. -40 to 85 °C use.

Important Notes:

- 1. All input grounds are internally connected and connected to power ground and CAN ground.**
- 2. Use Configuration Tool Version 4.47.1 or later. Download from www.ecm-co.com**

<u>Input Type</u>	<u>Range</u>	<u>Resolution</u>	<u>Sample Time</u>	<u>Abs. Min. & Max.</u>	<u>Input Imp.</u>
Analog	0-5V	1.2mV (12 bit)	1ms	0, 40V	1 MΩ
Analog	0-10V	2.4mV (12 bit)	1ms	0, 40V	127 KΩ
Current	0-20mA	5μA	1ms	21 mA, 12V	249 Ω
Current	4-20mA	5μA	1ms	21 mA, 12V	249 Ω
Freq.	0.5-50hz	0.01Hz	na	0, 40V	Open/PU/PD, 22 KΩ
Freq.	10hz-1kHz	0.01Hz	na	0, 40V	Open/PU/PD, 22 KΩ
Freq.	100Hz-10kHz	0.01Hz	na	0, 40V	Open/PU/PD, 22 KΩ

Troubleshooting:

If the module does not connect to the Configuration Tool, power the module down, change the Comm Adapter's communication baud rate, power the module back up, and try to connect at the new baud rate. Repeat until you find the baud rate that the module is using.



145mm x 120mm x 60mm
IP67
BNC Connections

Cabling with termination, 2m
extension, power, and CAN
connections

