

ECM 4gpoCAN Manual

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4gpoCAN is a four channel CAN output module. The 4gpoCAN module converts CAN data sent by LambdaCANp, COCO2CAN, NOxCANt, NOxCANg, NH3CAN, and pmCAN modules to 0-5V or 4-20mA signals. ECM's Configuration Software (available on-line) is used to set up the 4gpoCAN (Baud Rate, Node ID, Outputs). Each of the four channels can be a 0 to 5V or a 4 to 20mA output and each output can be individually assigned to a unique Source Module and Data Parameter from that module.

For each of the data source modules (i.e. LambdaCANp, etc), you can send 8 pieces of data. The 8 pieces of data are packaged in 4 TPDOs (TPDO1, TPDO2, TPDO3, TPDO4). For each TPDO there is an upper and a lower parameter. **For the 4gpoCAN to be able to output a parameter, it has to be in the upper parameter position of a TPDO in a source module.** If it is in the lower position, it will not be able to be output.

Output resolution is 0.015% (>12 bits) and is updated every 10ms. The gray connector is a Deutsch P/N: DTM06-12A. 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 160mA @ 24V. -40 to 85 °C use.

Important Notes:

- 1. All output grounds connected to each other but not to either power ground or CAN ground.**
- 2. Use Configuration Tool Version 4.47.1 or later. Download from www.ecm-co.com**

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

