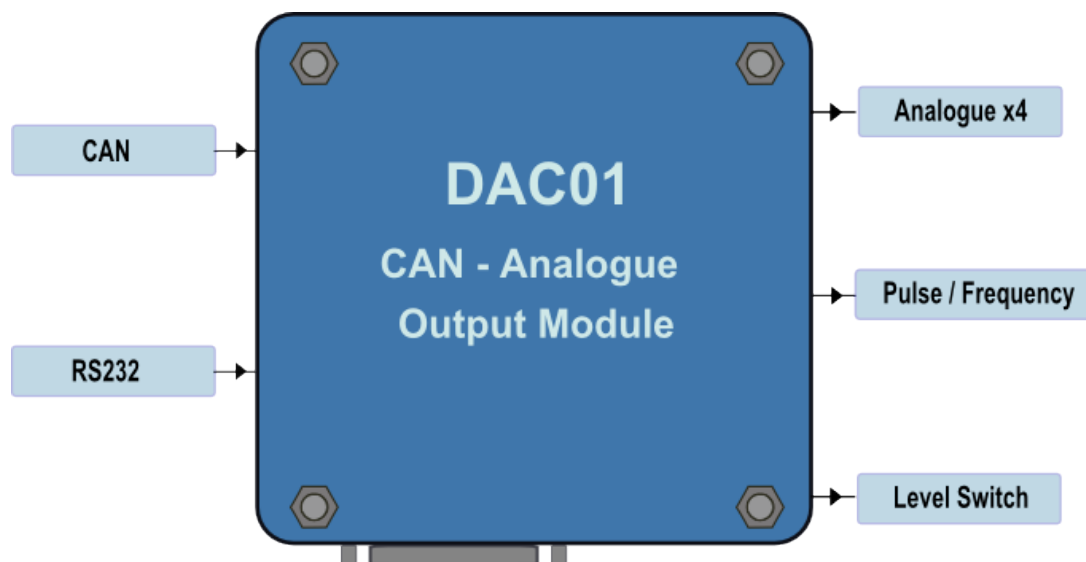# CAN to Analogue Output Module
(RLDAC01)

The CAN to analogue output module is designed to convert CAN bus data into voltage and digital output. In this way it is possible to log data from a CAN bus with data logging equipment not incorporating a CAN interface.

Four analogue voltage outputs are available, and these can be mapped using the configuration software to output virtually any CAN bus parameter. An example might be throttle position data read from CAN and converted into a 0 to 10 V signal.

The module is also equipped with seven digital outputs, of which four can be set as frequency generators.

Package Contents

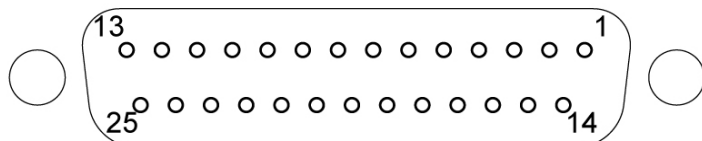| Description	Product Code
VBOX CAN to analogue output module	VBDAC01
VBOX serial PC cable	RLCAB001
5-way Lemo to 6-wire un-terminated	RLCAB015-L
25 Way D connector for VB products	ADC25IPCON
CD containing standalone module	CDRLMOD

Specifications

Output Channels	4 Analogue Channels 7 Digital Channels
Output Signal Range Analogue Voltage Digital	 0 to +10 V DC 0 V/+12 V DC
Resolution Analogue Voltage Timer Compare	 12 bit, 2.44 mV per bit 16 bit
Voltage Accuracy	±0.1%
Power Supply Voltage	12 V DC (±10%)
CAN Type Baud Rates	 CAN 2.0A or CAN 2.0B Compatible 250 Kbit/s, 500 Kbit/s, 1 Mbit/s
Operating Temperature	0 to 60 °C
IP Rating	IP50

25 Way Female Sub D Connector PIN Assignment

Pin	Function	Pin	Function
1	Digital Output 1	14	Ground
2	Digital Output 2	15	Ground
3	Digital Output 3	16	Ground
4	Digital Output 4	17	Ground
5	Digital Output 5	18	Ground
6	Digital Output 6	19	Ground
7	Digital Output 7	20	Ground
8	Ground	21	Analogue Ground
9	Analogue Ground	22	Analogue Output 4
10	Analogue Output 3	23	Analogue Ground
11	Analogue Ground	24	Analogue Ground
12	Analogue Ground	25	Analogue Output 2
13	Analogue Output 1		

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