



➤ Body Control Module

RDVS has produced a number of Body Control Modules, featuring a wide range of inputs and outputs tailored for control of most vehicle body functions.

All modules provide a number of configurable analogue and digital inputs and outputs, specialised motor driver outputs, power feeds, lamp controls and multiple communications networks. All units have UDS capabilities and are remotely re-flashable over CAN.



Electrical
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ISO 9001:2008
FS 563617



ISO 14001:2004
EMS 563618

Some examples of the modules which RDVS has produced in the past

Features

	24 I/Os	58 I/Os	151 I/Os
› Digital inputs	5 highside	15 (high and low)	62 configurable low, high or analogue
› Analogue inputs	5	12	
› Special function inputs	-	2 temp sensor	2 PWM
› Outputs	6 highside, 2 lowside	2 highside	24 highside, 3 lowside
› Special function outputs	1 analogue, 2 PWM	6 H-bridge, 1 PWM	12 H-bridge
› Communications	1 CAN, 1 RS232	2 CAN	2 CAN, 1 LIN, 1 RS232
› Current sensing on outputs	No	Yes	Yes
› Short/open circuit protection on outputs	Yes	Yes	Yes
› Reverse battery protection on power pins	Yes	Yes	Yes
› Dataflash memory	No	Yes	Yes
› Real time clock and datalogging	No	No	Yes
› Accelerometer	No	Yes	Yes
› Radio slice for remote key fob control	No	No	Yes
› Interface with vehicle immobiliser	No	Yes	Yes
› UDS diagnostics supported	No	Yes	Yes
› Remotely re-flashable	Over RS232	Over CAN	Over CAN
› Dimensions	135 x 118 x 34mm	253 x 112 x 50mm	305 x 152 x 55mm
› Connections	2x 12-way Deutsch DT	1x 23-way and 1x 35-way Tyco Ampseal	2x 64-way FCI CMC 1x 23-way Tyco Ampseal
› Mounting	2 x M8	4 x M6	4 x M6

Environmental – all units

- › Operating voltage range: 9-16V DC
- › Typical power consumption: <2A at 12V
- › Temperature: -40°C to +85°C operating
- › Humidity: IEC 60068-2-38 Z/AD
- › Vibration/shock: IEC 60068-2-64, IEC 60068-2-6, IEC 60068-2-27
- › EMC: ISO7637, ISO11452, 2004/104/EC
- › ESD: ISO10605
- › RoHS compliant
- › Sealed to IP67, can meet IP6K9K in appropriate installation

All parameters are subject to individual installation conditions

