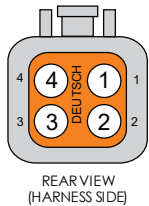


Analogue Output Adaptor

This device converts a 0-100% duty cycle (PWM) signal from an ECU output to a 0-5V analogue voltage signal.

Applications include but not limited to:

- TPS signal output to an AWD computer (e.g. Evo 10 AWD, Nissan ATTESA AWD)
- Analogue voltage signal for a third party analogue gauge
- Analogue voltage signal for a third party device (e.g. datalogger)



REAR VIEW  
(HARNESS SIDE)

| Termination |                      |
|-------------|----------------------|
| 1           | Power (+12V)         |
| 2           | Ground               |
| 3           | DPO2 (From ECU)      |
| 4           | Analogue Output 0-5V |



Example of Harness Side View

| Calibration |    |      |      |
|-------------|----|------|------|
| Duty        | 0% | 50%  | 100% |
| Output      | 0V | 2.5V | 5V   |

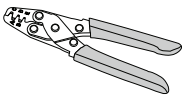
| ECU Setup Options |                                       |
|-------------------|---------------------------------------|
| Function          | Generic Output                        |
| Signal Type       | Duty Cycle                            |
| Mode              | Table                                 |
| Output            | DPO2 or DPO1(Pull-up Voltage Must 5V) |
| Active State      | High                                  |
| Frequency         | 2500Hz                                |

Please take care when wiring this device as incorrect wiring will damage this device!

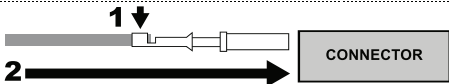


VIDEO: How To Crimp Like A Pro

<http://bit.ly/haltechcrimp>



Use Crimper set HT-070300 to crimp the pins in this package



(1) Crimp Pin to wire and then  
(2) insert into harness side of Plug

HT-038000

Revision #5

Haltech

Need more help?



AUS : +61 2 9729 0999  
Europe: +43 720 883 968

USA : (888) 298 8116  
UK : +44 121 285 6650

NZ : +64 988 706 16



[www.haltech.com/support](http://www.haltech.com/support)



[support@haltech.com](mailto:support@haltech.com)

This sensor is strictly non-refundable if this packaging has been opened or tampered with. This sensor has been individually electronically tested before packaging and is sold "as is" and without any further warranty. If you do not accept these terms please return this sensor in its original unopened packaging for a full refund.



Analogue Output Adaptor  
(inc. matching plug and pins)  
HT-038000

Haltech

Haltech Off-Road Usage Policy

In many states it is unlawful to tamper with your vehicle's emissions equipment.

Haltech products are designed and sold for sanctioned off-road/competition, non-registered or non-emissions controlled vehicles only and may never be used on a public road or highway. Using Haltech products for street/road use on public roads or highways is prohibited by law unless a specific regulatory exemption exists (more information can be found on the SEMA Action Network website [www.semasan.com/emissions](http://www.semasan.com/emissions) for state details in the USA).

It is the responsibility of the installer and/or user of this product to ensure compliance with all applicable local and federal laws and regulations. Please check with your local vehicle authority before purchasing, using or installing any Haltech product.

No responsibility whatsoever is accepted by Haltech for the fitment of Haltech Products. The onus is clearly on the installer to ensure that both their knowledge and the parts selected are correct for that particular application. Any damage to parts or consequential damage or costs resulting from the incorrect installation of Haltech products are totally the responsibility of the installer.

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Unless specified otherwise, Haltech warrants its products to be free from defects in material or workmanship for a period of 12 months from the date of purchase. Proof of purchase in the form of a copy of the original purchase invoice, receipt or bill of sale which indicates that the product is within the warranty period, must be presented to obtain warranty service. If the Haltech product is found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of purchase. This shall constitute the sole liability of Haltech. To the extent permitted by law, the foregoing warranty and in lieu of all other warranties or representations, either expressed or implied, including any implied warranty of merchantability or fitness, in no event shall Haltech, be liable for special or consequential damages.

**Product Returns**

Please include a copy of the original purchase invoice, receipt or bill of sale along with the unused, undamaged product and its original packaging. Any product returned with missing accessory items or packaging will incur extra charges to return the item to a re-sealable condition. All product returns must be sent via a freight method with adequate tracking, insurance and proof of delivery services. Haltech will not be held responsible for product returns lost during transit. The sale of any sensor or accessory that is supplied in sealed packaging is strictly non-refundable if the sealed packaging has been opened or tampered with. This will be clearly noted on the product packaging. If you do not accept these terms please return the sensor in its original unopened packaging within 30 days for a full refund.

**Returning a sensor or accessory product within 30 days of purchase:** Product may be returned for credit or full refund. (Any sealed packaging must not have been opened or tampered with.)

**Returning a sensor or accessory product after 30 days of purchase:** Product may be returned for credit only (no refunds given) and is subject to a 10% Restocking fee. (Any sealed packaging must not have been opened or tampered with.)

Version 6.0