

### 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-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 is prohibited by law. 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.

### Installation of Haltech Products

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.

### Haltech Limited Warranty

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 is exclusive 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-saleable 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)

V1.3



# HT-010408

## Throttle Position Sensor - Motorsport Contactless 8mm D-Shaft CW & CCW Rotation (includes HT-031014 - Matching set of Deutsch DTM3 connectors)

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.

### Throttle Position Sensor - Motorsport Contactless 8mm D-Shaft

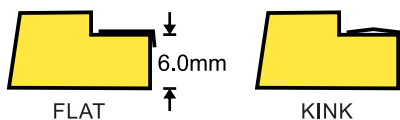
CW & CCW Rotation (includes HT-031014 - Matching set of Deutsch DTM3 connectors)



Please take care when wiring this sensor as incorrect wiring will damage the sensor!

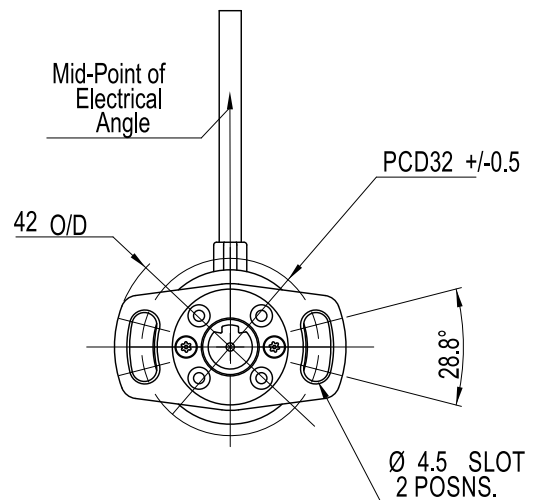
It is extremely important for reliable operation of this TPS that the D drive is a firm fit into the D receptacle in the Throttle Position Sensor.

If the D on your shaft is less than 6.0mm, you must use a shim to pack the flat of the D for positive shaft to sensor engagement. If required, put a kink in the shim to increase engagement



### TPS Mounting Dimensions

Below shows the sensor dimensions (including bolt hole diameter and PCD) for mounting purposes.



### TPS MOUNTING DIMENSIONS

Turn page over to see wiring terminations and mounting orientation for both CW & CCW rotation

HT-010408

Revision #4.1



### Need more help?

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USA: +1 888 298 8116

www.haltech.com

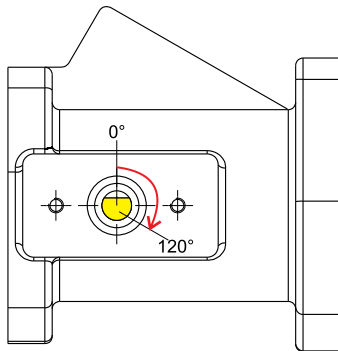
Intl: support@haltech.com  
USA: usasupport@haltech.com

/Haltechecu

/HaltechEngineManagement

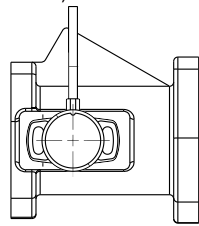
## Clockwise (CW) Rotation - Throttle shaft rotates **clockwise** from closed to open.

This sensor must be installed and aligned correctly - if the sensor is not aligned correctly, damage to the sensor **WILL** occur.



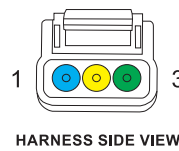
D-SHAFT ORIENTATION AT CLOSED THROTTLE (FLAT AT TOP)

The sensor must be installed and aligned with the throttle shaft in the **closed** position.



TPS MOUNTING ORIENTATION

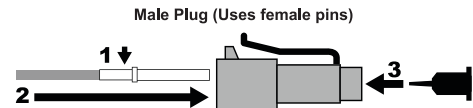
## Termination for Clockwise-to-Open rotation



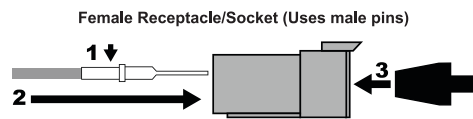
Termination		
PIN #	Colour	Connection
1	Blue	Signal Ground
2	Yellow	Signal
3	Green	Power (+5V)

Please isolate and insulate unused connections. Failing to do so will damage the sensor!

## Deutsch DT/DTM Series Connector Assembly Instructions



Male Plug (Uses female pins)



Female Receptacle/Socket (Uses male pins)

- (1) Crimp Pin to wire and then
- (2) Insert into harness side of Plug
- (3) Insert Wedge to lock the pin into the connector

**Clockwise-to-Open Rotation**



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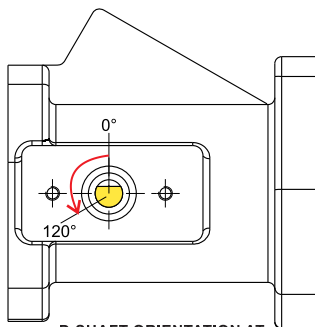
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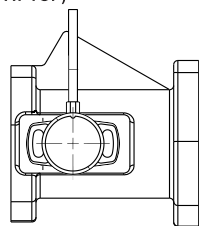
## Counter Clockwise (CCW) Rotation - Throttle shaft rotates **counter clockwise** from closed to open.

This sensor must be installed and aligned correctly - if the sensor is not aligned correctly, damage to the sensor **WILL** occur.



D-SHAFT ORIENTATION AT CLOSED THROTTLE (FLAT AT TOP)

The sensor must be installed and aligned with the throttle shaft in the **closed** position.



TPS MOUNTING ORIENTATION

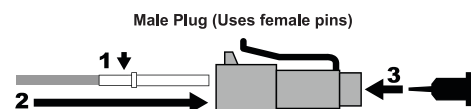
## Termination for Counter-Clockwise-to-Open rotation



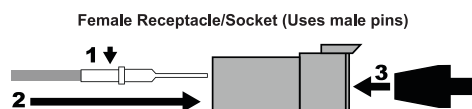
Termination		
PIN #	Colour	Connection
1	Black	Signal Ground
2	White	Signal
3	Red	Power (+5V)

Please isolate and insulate unused connections. Failing to do so will damage the sensor!

## Deutsch DT/DTM Series Connector Assembly Instructions



Male Plug (Uses female pins)



Female Receptacle/Socket (Uses male pins)

- (1) Crimp Pin to wire and then
- (2) Insert into harness side of Plug
- (3) Insert Wedge to lock the pin into the connector

**Counter-Clockwise-to-Open Rotation**



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