

GPS Speed Input Module

Converts GPS Speed signal to a pulsed digital output (0-12v)
 Default output is 5000 pulses per kilometre.

Installation

Install GPS Antenna in a position that has a clear view of the sky and route the cable to the installation location of the module.
 Wire the supplied 3 position connector as per table below
 Secure module with mounting screws or cable ties being careful not to flex the enclosure which may force the internal calibration button to be held on.

Termination		
Pin #	Colour	Connection Description
1	Red	Power (+12V) - From a 12V switched source
2	Green	Signal Output - From module connect to spare SPI / DPI on ECU
3	Black	Battery Ground- Connect to ground source



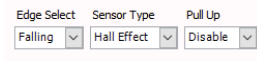
Status LED

The Status LED indicates the current status of the module
 LED off : Module has no power connected or is in calibration mode
 Flashing Red: No GPS Signal
 Steady Green = GPS signal ok, Vehicle is stationary
 Flashing Green = GPS signal ok, Vehicle in motion



Setup and Calibration

The module is setup within the Vehicle Speed Sensors function in the Haltech ESP Software. Main Setup / Functions / Vehicle Speed Sensors
 Set the function up as follows
 Set the main source from the drop down menu as *Drive Train*
 Select the check box for Drive Train Sensor and ensure it is setup as - *Digital Frequency*
 Assign the connection to the SPI/DPI you connected the module to
 Set Edge Select to *Falling*
 Set Sensor Type to *Hall Effect*
 Set Pull Up to *Disabled*



Calibration of the input is done from the Calibration Tab within the function. Manually enter 5000 Pulses/km into the configuration box, Do **NOT** press calibrate button



Calibration Mode - GPS Speed input module (Optional)

The unit can be calibrated to change the output frequency this step can also be used to check the output.
 Default output frequency is 83Hz / 5000ppk at 60km/h
 To do this follow the steps below

- Power on the unit
- Press internal button via the hole on the underside of the unit, or by pressing the case at this point
- Hold the button down for 10 seconds, the led will turn off and then the output will start pulsing. The current frequency can now be viewed within the ESP software. Default output frequency is 83Hz (5000ppk at 60 km/h)
- Release the button and wait 5 seconds and re press and the pulse frequency will increase
- Release the button and wait 5 seconds and re press and the pulse frequency will decrease
- Continue the process above until your desired output frequency is reached
- Power off
- Power on and your calibration will be saved.

HT-011310

Need more help?



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Revision #2



HT-011310
 GPS Speed input module
 (inc GPS antenna, plug & pins)



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