

FuelTech

VR/Hall Converter

#7294

VR/Hall Converter

The VR/HALL converter was designed to read an analog VR signal and transform it to a digital signal (Hall). Recommended when using VR speed sensors (found in most ABS systems) or when using VR fuel flow meters, for example.

Important Notes

- Do not share 12V between the converter and coils or actuators.
- When connecting the VR/Hall converter to the VR sensor, it might be necessary to swap the wires, since VR sensors have specific pinout to read properly.
- Some ABS sensors are not compatible with the VR/Hall converter.
- Sensor GAP can affect VR sensor reading, in most of the cases a gap close to 0.030in.

Specifications

- Minimum signal peak voltage:
0,5V
- Maximum signal peak voltage:
150V
- Maximum frequency:
15000Hz (15kHz)



Twisted pair cable	Color	Connection
1 - (Power)	Red	12V Switched
	Black	Battery ground
2 - (VR sensor)	White	Sensor signal
	Black	Sensor signal
3 - (Signal to FT)	Gray	Input signal to FuelTech ECU
	Black	Battery ground or Ground for sensors