Inertial Sense Module

Design Voltage	8 – 16 VDC
Switch On Voltage	13.2V ± 0.1V
Switch Off Voltage	12.8V ± 0.1V
Standby Current	2 mA
Operating Current	5 mA
LED Indicator	Green
Environmental Protection	IP67
Operating Temperature	-20°C to +85°C
Weight	30 Grams
Dimensions	Footprint – 34mm x 38mm Profile – 12.5mm

The Inertial Sense Module or ISM is a solid-state electronic device developed for use with the interVOLT DCC Pro.

In simple terms the ISM detects movement (from both engine vibration and acceleration) when attached to the vehicle chassis or body. Once the input voltage is within operating range this movement will provide a trigger signal to the DCC Pro and initiate the charging cycle.

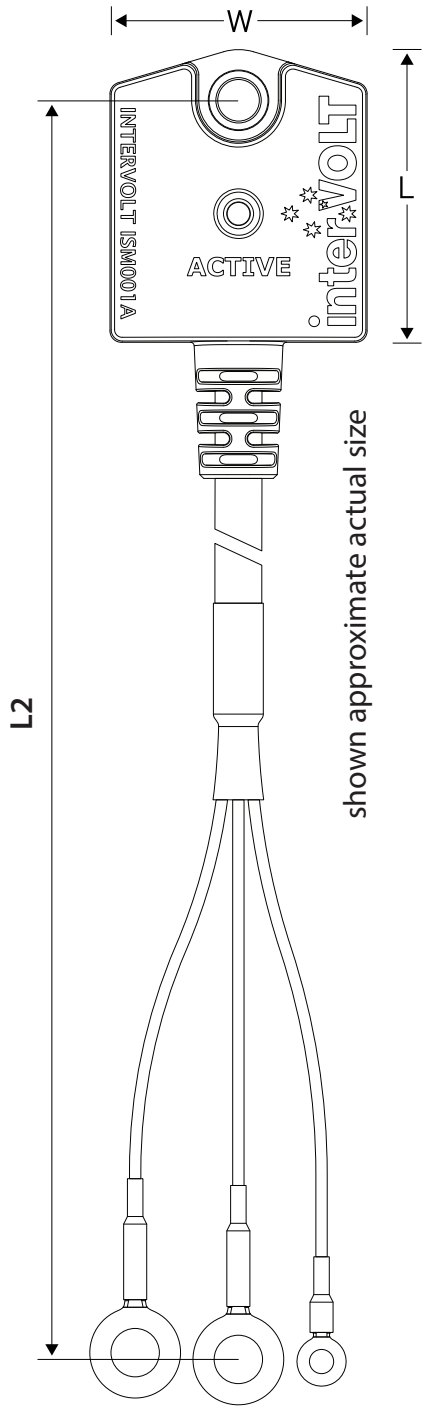
This enables the DCC Pro to be operated in Ignition Mode without having to tap into the vehicle manufacturer's wiring system to obtain a signal. As a result, the whole DCC Pro install becomes totally independent of the vehicle's electrical system, aside from the common connection of the main battery terminals.

The ISM incorporates a short harness for direct installation to the DCC Pro terminals without need for additional wiring. The device has a single LED indicator which will blink every 8 seconds in standby mode. Once activated by movement the LED will illuminate continuously.

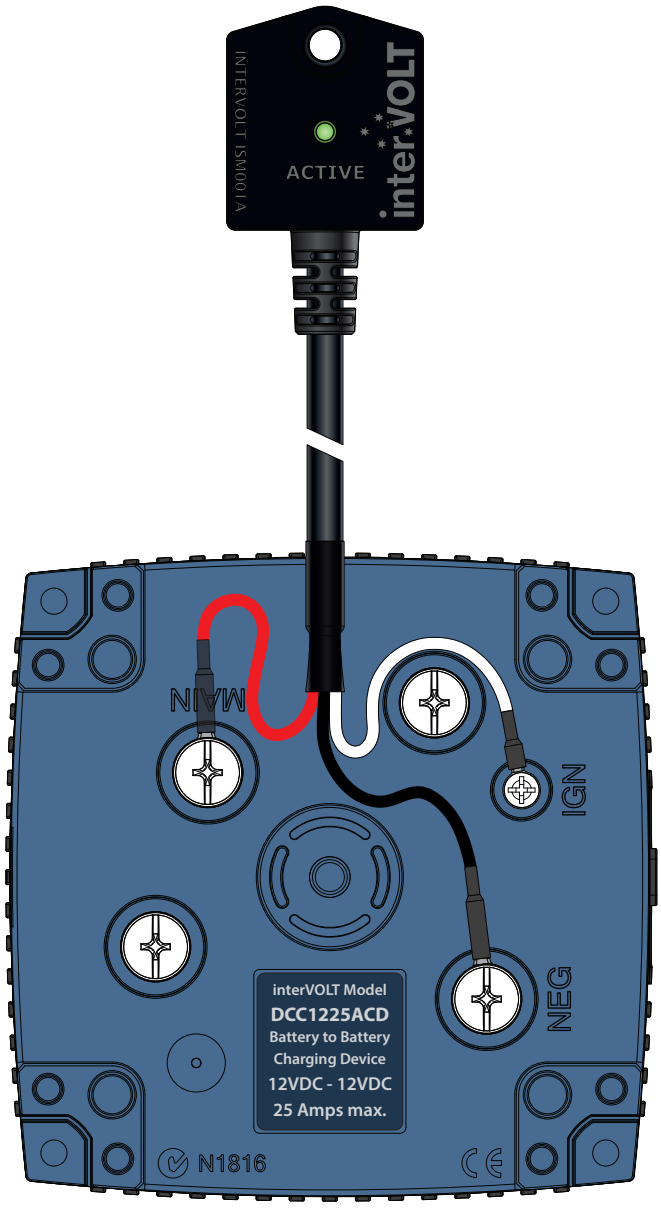
The ISM is an overmoulded device and is water and dustproof to IP67. It is compact in size and can be installed almost anywhere. It can be installed using the supplied 3M mounting tape or, if preferred, mechanically fixed with an appropriate fastener.

Inertial Sense Module

ISM | TECHNICAL DATASHEET



NOTE: *The ISM is designed for use specifically for the DCC Pro and not designed for use with any other product or in any other application.*



L	38mm
W	34mm
L2	500mm ±10mm

Wire Colour	Red	Black	White
Input/Output	Positive	Negative	Signal
Connection	MAIN	NEG	IGN

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