RDS TECHNOLOGY
TOPCON POSITIONING GROUP

SATSPEED 2

An interface that converts a GPS signal into a radar compatible pulse for true speed over ground

Features

- Quick and easy to install
- Precise signal unaffected by weather or surface variations
- Pre-programmed for instant start-up with no calibration required
- Produces an immediate ground speed signal that starts and stops with vehicle movement
- Compact design for easy mounting on tractor or implement

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Satspeed Operation

The unit will automatically find the baud rate and depending on GPS reception status, provide a forward speed signal on power up.

The forward speed reading will default to zero below 0.5km/hr.

NOTE: This unit should not be fitted in situations where speed measurement <0.5km/hr is required, or there is consistent poor quality GPS reception.

Consider that the ground speed signal may be temporarily @ 0km/h depending on the terrain and ground cover (e.g. under or behind trees), and that this will be more prevalent in areas with weaker reception from a limited no. of satellites.

TECHNICAL DETAILS	
Velocity Range:	0.5km/h – 70km/h
Accuracy:	≈ 0.36 km/h
Antenna Mounting:	Magnetic (metal plate and adhesive base supplied in kit)
Antenna Housing:	High impact, corrosion resistant and fully waterproof
Start-up Time:	41secs
GPS Frequency:	4Hz
Connections:	3way Female Weatherpack Pin A - +12v DC Pin B – Speed Signal Output Pin C – Ground
Cables:	5m to antenna, 0.3m to connector
Output Frequency:	35.68Hz / Kmh (128.4 pulse/m)

Status LEDs

There are two LEDs indicating the unit status as follows:

PWR (GREEN)	GPS (RED)	UNIT STATUS
Off	Off	No power
On	Off	Power but no GPS signal (No forward speed reading)
On	Flash*	Power + Standalone GPX (should result in forward speed reading)
ON	On	Power + Differential GPS (optimal performance)

* Flashes @ VTG message frequency e.g. 4Hz

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