

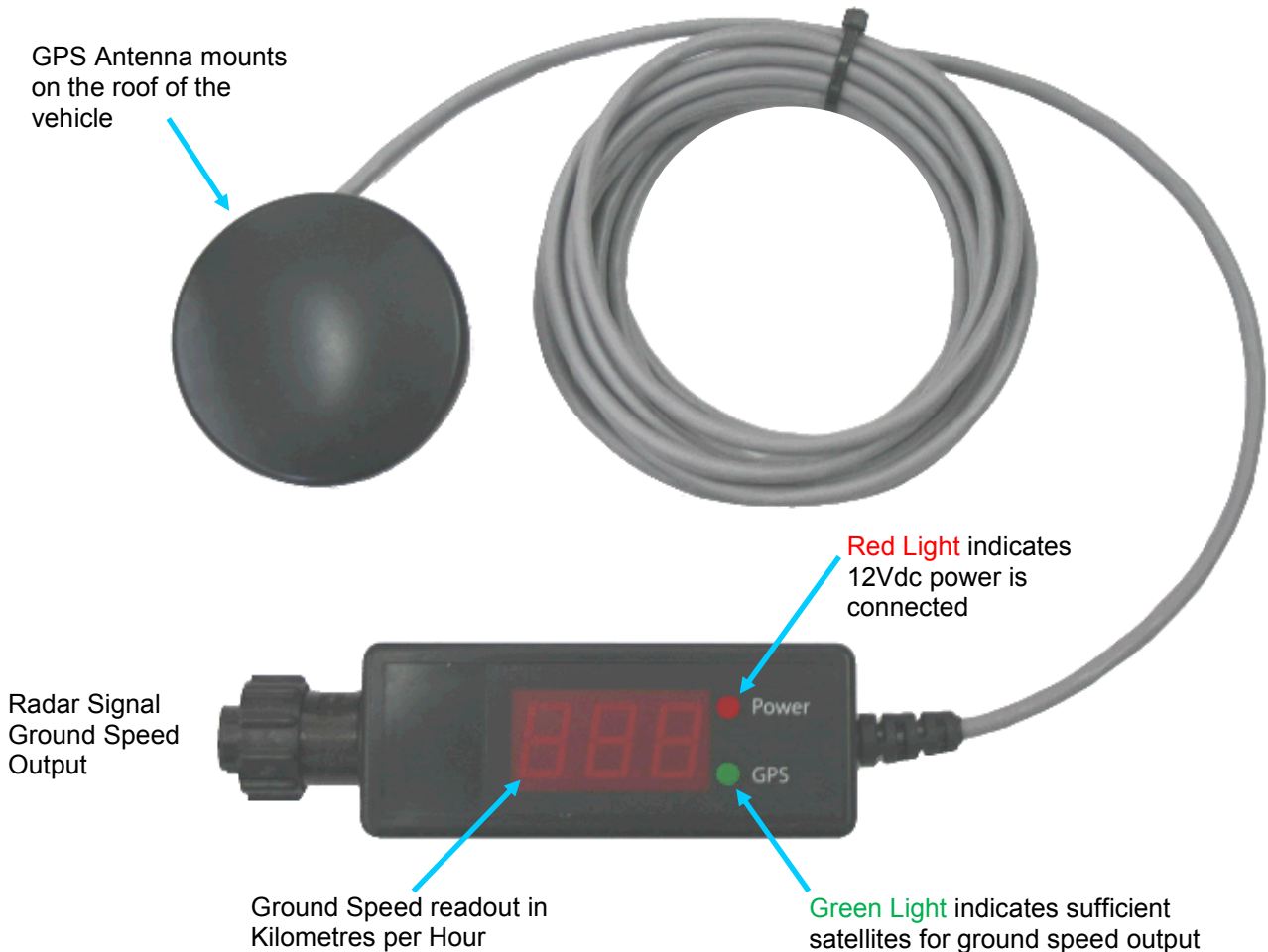
SAT-SPEED

Outputs GPS Speed Signal to replace existing Tractor Radar

Cambut Holdings

5 Manilla Street, P.O.Box 7101
East Brisbane Queensland 4169
Phone: 07 3391 8766 Fax: 07 3891 1761
Email: info@cambut.com.au

GPS Ground Speed Technology



General Specifications

Radar Signal Connector: AMP 4 Pin CPC
GPS Receiver Update Rate: 5 Hz

Power LED: Red Light indicates power is present (Light goes out when GPS LED On)

GPS LED: Solid Green Light indicates sufficient number of satellites for ground speed reading.
Flashing Green Light indicates GPS Sensor is looking for satellites.

Electrical Specifications

Operating Voltage: 12 Volts DC
Radar Signal Out: 12 Volt Square Wave, 35.4 Hz/KPH
AMP 4 Pin CPC Wiring: Pin 1 Ground, Pin 2 Radar Signal, Pin 3 & 4 +12 VDC Power

Ground Speed Calibration Constants

| | |
|--|-------|
| Land Manager, CMS100, CCS100, PM300, TSM10, Seed Manager SE..... | 7775 |
| PM3000, SC1000, GC1000..... | 1340 |
| IntelliAg ISO Control System..... | 12750 |

We Think Ahead. We Design To Last.

Cambut Holdings Pty Ltd

5 Manilla Street, P.O.Box 7101
East Brisbane Qld 4169
Ph: 07 3391 8766 Fax: 07 3891 1761
Email: info@cambut.com.au

Installation

- The **SAT-SPEED** mounting location should have a clear unobstructed view of the sky on all sides.
- Avoid overhead metal structures that can block the satellite signals.
- Mount the **SAT-SPEED** at the highest point of the vehicle with the black dome pointing directly at the sky.
- Be aware of shed door openings and make sure the **SAT-SPEED** is safe from impact from fixed structures.
- Avoid mounting in areas with excessive vibration, as **SAT-SPEED** may produce ground speed errors.
- The GPS-SPEED can be mounted to any flat metal surface, such as the roof on a vehicle cab.
- If your vehicle does not have a metal roof, then attach the metal plate enclosed with the **SAT-SPEED**.
- Carefully route the cable into the vehicle cab and connect to your monitor or controller.

Calibration

Before running the calibration you must power up the **SAT-SPEED** with the vehicle parked out in the open, away from trees and sheds for approximately 45 minutes to acquire all the satellite signals and store them in memory. This procedure is only required once at the initial startup, from then on when the tractor is started up it will take approx. 40 seconds to find the satellites and start outputting a ground speed signal to the monitor or controller.

After installing the **SAT-SPEED** your monitor or controller will need to perform a ground speed calibration. Follow the procedure outlined in the monitor or controller instructions that is typical for calibrating a radar ground speed sensor.

Operation

Located at the connector you will find a small plastic box in the cable, which has two LED's :

- POWER – Lights up RED when power is correctly applied to the **SAT-SPEED**, this Red Light goes out when the Green GPS light is on.
- GPS – Lights up solid GREEN when more than 4 satellites are connected – Ground Speed Output OK
Lights up flashing GREEN when the sensor is searching for satellites – Ground Speed Output OFF