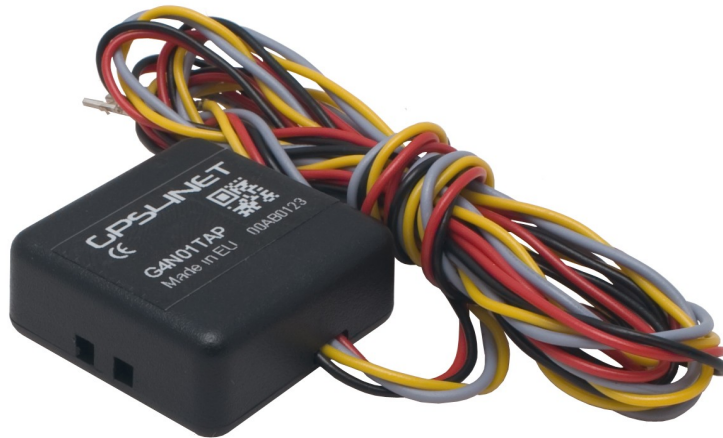


G4N01TAP



GPS4NET

J-Bus / CAN-bus wire tapping interface



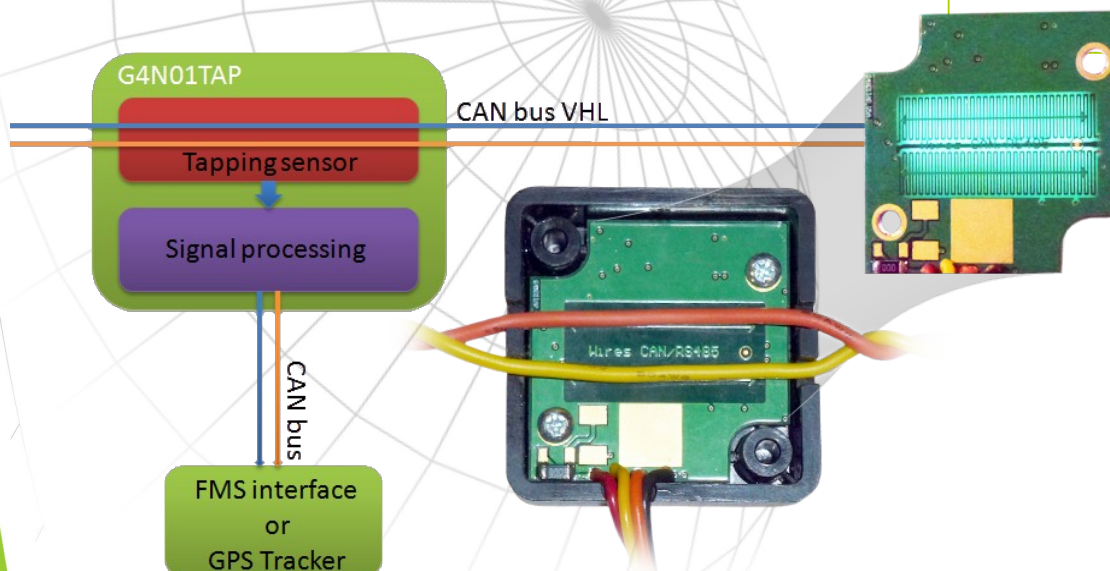
Product overview:

G4N01TAP is a genuine device created for collecting specific automotive information like fuel consumption or odometer from any utility vehicle equipped with CANbus or J-Bus. This device was designed for wire tapping thus capturing the data without soldering or piercing the wire's isolation and therefore avoiding any electrical incidents or even warranty violation.

The tapping sensor is working by detecting the energy within the electrical network by using coils electrodes aligned with the wires transporting the data signals, which are transformed in a reconditioned and isolated over an output interface. The device is available in two versions: CAN or RS485; and two power-up solutions: +5V or +7-28V .

To facilitate the installation the sensor was equipped with a bi-colored LED which indicates the presence of data within the bus. Also the sensor is not sensitive to signals polarity offering a fast wire tapping of High and Low and thus minimizing the incorrect installation. The output interface is providing a clear bus signal connectable directly in any FMS interface or GPS Tracker without requiring any extra settings.

The product was conceived to allow the connection of other sensors, like temperature sensor G4N02TMP in the output (isolated) CANbus interface. Thus the FMS interface or the GPS Tracker will receive the vehicle specific data and the information coming from sensors connected on the same bus.



Key Features:

- Reads vehicle's signals through wires eliminating warranty issues or electrical problems.
- Full galvanic protection.
- Signals information presence.
- No soldering or wire cutting.
- Non-intrusive technology.

Technical specifications:

- Small size 35x35x15 mm
- Capacitive sensor
- Power input: 4 .. 5 VDC.
7 .. 28 VDC
- Power consume: 15 mA
- Overvoltage protection
- Reverse voltage protection
- Working Temp.: -40C .. +85C
- Humidity & corrosion protection

CANbus interface:

- CANbus speed rate: 128kbps .. 1Mbps
- Compatible with CAN Frames: Standard & Extended
- 1LED – CAN traffic detection
- Compatible with any utility vehicle.

J1708 (RS485) interface:

- RS485 speed rate: 9600 bps
- Compatible with J1708 (J-Bus)
- 1LED – serial traffic detection