

iElectron

GPS VSS Generator Installation Guide

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1. Introductions and operations

This device uses GPS positioning to calculate the movement and simulate a Vehicle Speed Signal for use with the taximeter. It can be widely used in various vehicle electronic equipment that requires Vehicle Speed Signals.

Specifications

Power input: 8-32V DC

Operating temperature: -30 °C to 70 °C (-22 °F to 158 °F)

Storage temperature: -30 °C to 80 °C (-22 °F to 176 °F)

2. Wiring and Installation

a) Mounting and Wiring:

The GPS VSS Generator should be installed under the steering wheel; in such a way with no vibrations, no potential hazard and away from vent and airbag. Open the panel and run the wire. The wire must not be cut, squeezed or drawn with force, and must be away from any sharp edges and moving parts. All the connections must be soldered and properly sealed with electric tape or heat-shrink tube.

b) Connecting wires:

The **Red wire** connected to the vehicle battery via a 2 amp fuse. Provides primary power to the taximeter.

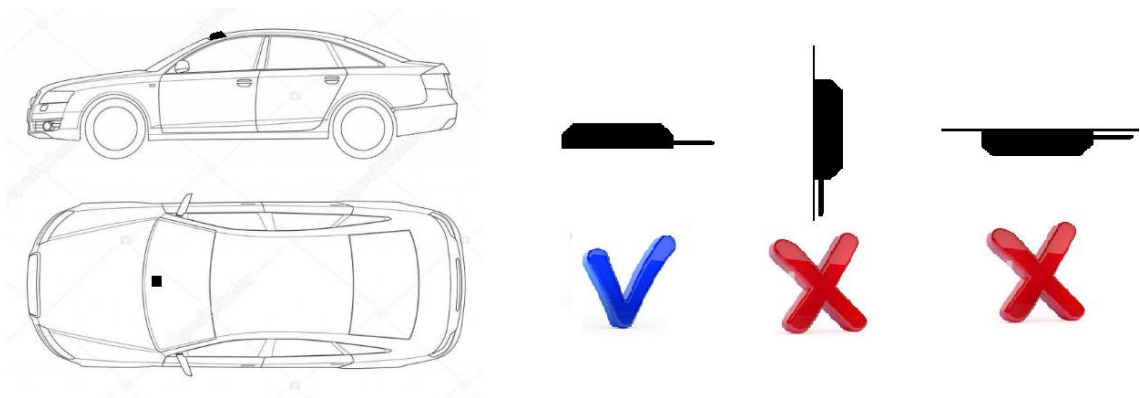
The **Black wire** connected to the vehicle chassis ground at or close to the vehicle battery ground connection

The **Green wire** is the VSS + signal. If you are installing an Ielectron MT-10 taximeter, you have to connect this wire to the Green (or Blue for some early models) wire of MT-10.

The **Blue wire** is the VSS - signal. If you are installing a device that requires a negative VSS signal, you will need use this wire. Otherwise, you leave it unconnected.

c) Installing GPS antenna:

The installation location should be exposed to the sky as much as possible. It is recommended to install the antenna on the top of the car outside. If it is difficult to achieve, it can be installed near the front in the middle of the dash. The antenna reception is directional, and the side with the adhesive must face down while the other side needs to face the sky.



d) Start up:

When first powered on, it may take 5-10 minutes for self-calibration. Subsequent power-on startups will be quick and easy to use..