

# Omni 模组 GPS 模组

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# Prevent over-speed, standardize driving behavior!

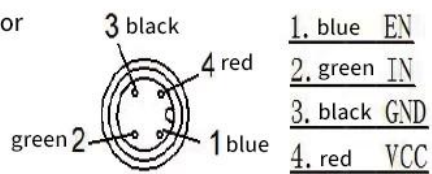
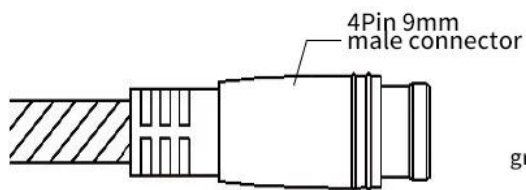
SEEWORLD S102A can standardize driver's driving behavior through over-speed alarm and the driving behavior analyse in WhatsGPS platform.



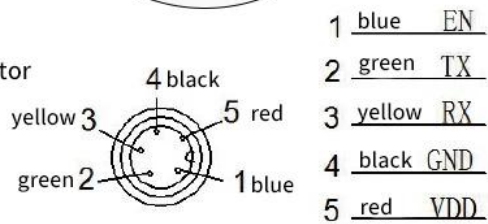
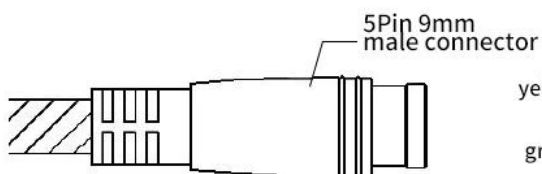
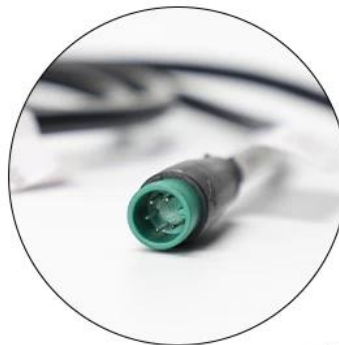
# WIRING INSTRUCTIONS



Level control line interface definition



Serial communication line interface definition



## MAJOR PARAMETERS



### Communication with Controller

Level control/serial port

### Communication with cloud server

MQTT

### Vibration detection

Three-axis accelerometer

### Built-in battery

3.7V/90mAh

### Working voltage

9-100V DC

### Working current

$\leq 500\text{mA}$ (9-100V DC)

### Working temperature

$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

### Storage temperature

$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

### Working humidity

10~93RH

### Built-in battery life

>0.5h (25°C)

### Waterproof& dustproof

IP67

### Outside shell material

PC+10%GF

### SIM card

Micro size (Micro-SIM)

### Dimension of the device

LxWxH: 109mm × 58mm  
× 21.2mm (not including the wire)

### Location

Support GPS, GLONASS, BeiDou, Galileo, WIFI assistant location system

### Location precision

$\leq 15\text{meters}$  (Open area, weather is sunny without shade.)

### Location condition

Search satellites numbers  $\geq 4$  satellites and signal noise over 30dB

### Starting time

Cold startup less than 120seconds, Warm startup less than 30 seconds, (Open area, weather is sunny without shade, including coordination optimization)

### Sensitivity

-158dBm