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# DOTSENS DS1 INSTALLATION MANUAL





## **WARNINGS**

You should read this manual before you begin installing the device.  
All the connections need to be done with the power disengaged.

For safety reasons, the module should only be installed by qualified specialists.  
You must not tinker with the device or perform any repairs on your own.

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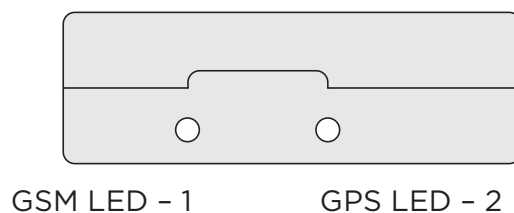
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# 1. WIRES DESCRIPTION

Colour	Purpose	Installation tips
Red	Power	Connect to a constant power source
Black	Ground	Connect to ground
Yellow	Ignition	Ignition signal (not disappearing during engine start)

# 2. CHECKING THE PERFORMANCE

Once you've connected the power wires and the ignition signal, insert a power plug into the device and observe the LEDs to check if it works:



## LED 1 behaviour (GSM):

- LED blinks every second - regular operation, GSM signal is stable.
- LED blinks every two seconds - GPS is in deep sleep mode
- LED blinks rapidly for a short time - GPS is sending data to the server
- Rapid blinking - Device is being updated
- LED not lit - The GSM modem is damaged

## LED 2 behaviour (GPS):

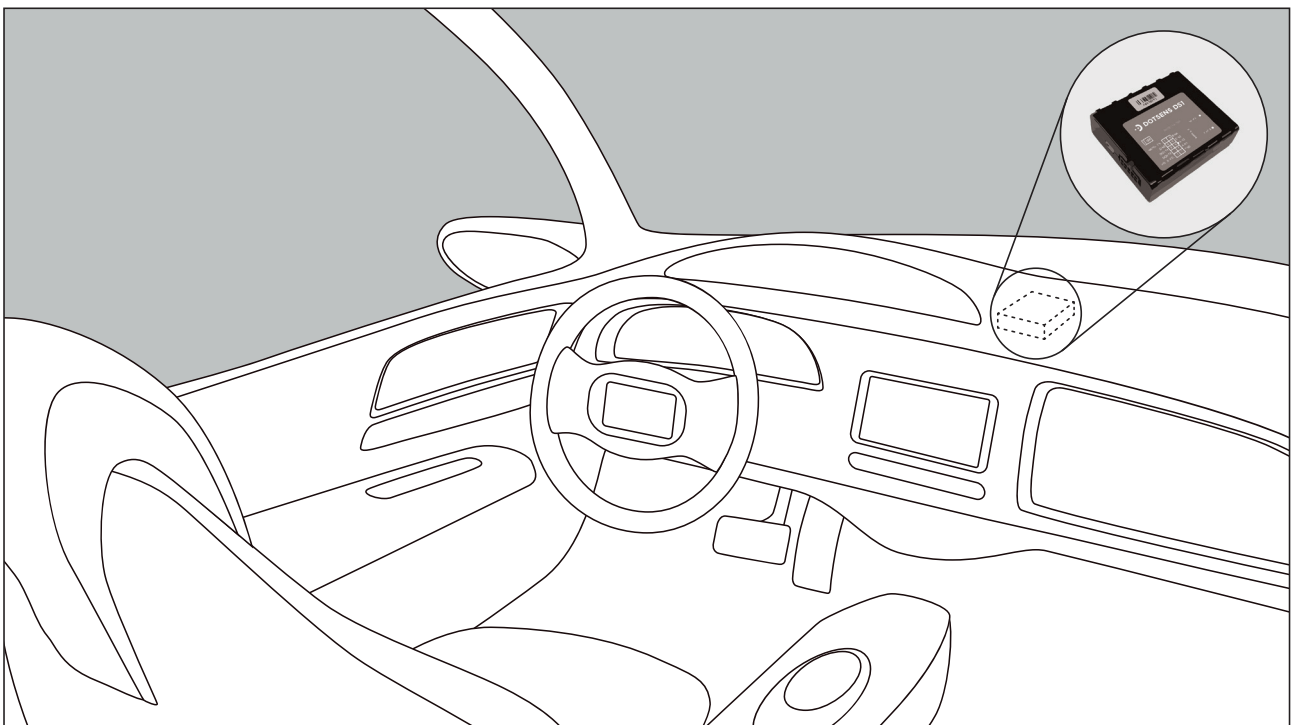
- LED is lit constantly - no GPS signal, the device is trying to find satellites
- LED blinking every second - Regular operation, GPS signal stable
- LED not blinking - Disabled GPS, GPS in deep sleep mode or the GPS antenna has short-circuited.

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## 4. INSTALLING IN A CAR

Once the device is operational (both LEDs are blinking every second), the device is ready to be installed in a car. The recommended location is shown in the picture.

**⚠ Please Note: The DS1 device should be installed horizontally with the sticker up.**



## 5. TECHNICAL INFORMATION

Power	10V – 30V DC
Safe temperature	-40°C – 70°C
Power consumption	150mA r.m.s Max