

Vehicle-mounted Positioning Terminal

Product Model: G25

Hardware Version:V1.0

Software Version:V1.0

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Document Revision History

Version	Revision Date	Version Description
V1.0	2023/11/23	New Document

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1. Basic product introduction

1.1 Product Introduction

Product name: Vehicle positioning terminal

Product model: G25

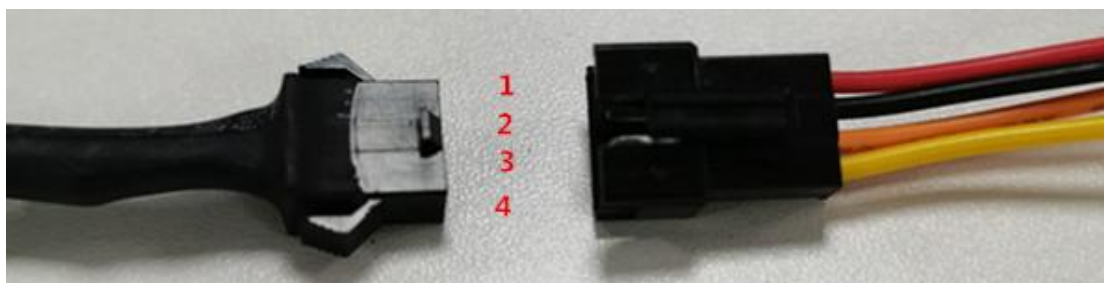
Applicable scenarios: monitoring and anti-theft of cars, electric vehicles, motorcycles, etc.

1.2 Product images





1.3 Product interface definition



Serial number	Color	Interface Definition
1	red	Power positive
2	black	Power Ground
3	orange	ACC detection
4	yellow	Oil and electricity cut off

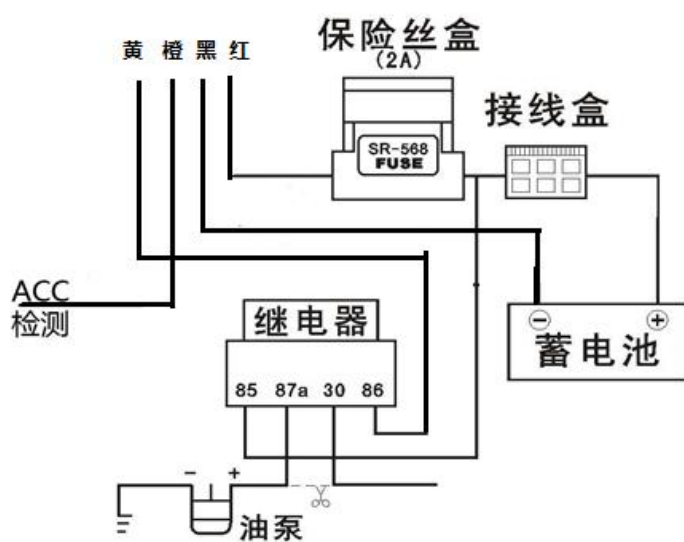
Note: (1) External voltage range: DC 9-80V;

(2) ACC cannot be connected to normal power;

(3) An external relay is required to cut off the oil and power supply, and the supported specifications are 12V/24V/80V;

(4) The wiring diagram is as follows:

终端接线示意图



1.4 Product size

88(L)*40(W)*17(H)mm

1.5 Product Usage Introduction

Indicator Light Description

Blue indicator light:

Light status	Meaning
Shiny	GPS positioning successful
Always on	GPS positioning
Not bright	GPS Sleep

Red indicator light:

Light status	Meaning
Slow Flash	4G/2G network signal is normal
Always on	Search 4G/2G network
Flash	4G/2G network data transmission and reception

2. Features

Serial number	Functional Overview	Functional Detailed Description
1	Real-time monitoring	Report location information at preset time intervals
2	Trajectory Playback	Allows querying of vehicle trajectory for a specified time period on the platform.
3	Power Loss Alarm	Sends an alarm when external power is disconnected, with the backup battery still functional, preventing illegal tampering or disassembly of the device.
4	Vibration/ Displacement Alarm	When the device is armed, it reports vibration or displacement alarms in case of illegal movements or tampering.
5	ACC detection	Requires an ACC wire to detect and report the vehicle ' s ignition and shutdown status in real time.
6	Oil and electricity cut off	Requires an external relay and supports fuel/electricity cut-off commands via platform or SMS.
7	Blind Spot Data Recovery	In GSM no-network areas, the device can store up to 500 GPS records and upload them to the platform once the network is restored.
8	Corner Re-transmission	Reports the vehicle ' s position at corner turns based on the change in direction angle, optimizing the trajectory.
9	Remote upgrade	The device ' s firmware can be upgraded over the air, without the need to disassemble it.
10	Power saving mode	The device enters sleep mode after the vehicle has been stationary for 5 minutes , reducing power consumption.
11	Geofence	Data Reporting Rules: Reports every 5 seconds when inside the geofence and every 15 seconds when outside the geofence. Alarms are triggered when the vehicle enters or exits the geofence.

3. Product parameters

Supply voltage	DC:9-80V
Average operating current	35mA@12V
Average standby current	8mA@12V
Positioning method	GPS, BDS
Positioning accuracy	2m(1)
Dimensions	88(L)*40(W)*17(H)mm
Network Standard	4G/2G
GSM frequency band	900MHZ/1800MHZ
FDD Band	B1/B3/B5/B8
TDD Band	B38/B39/B40/B41
Communication	TCP
Operating temperature	-20°C~+75°C
Backup battery	60MAH