LED type	LED status	Meaning
Green	Flash	Network initializing
	Slow flash	The network reception signal is normal
	Always on	Network/GPRS online
	Not bright	Network signal is not received /the card is not inserted
Blue	Flash	BD/GPS signal search
	Always on	BD/GPS positioning success
	Not bright	GPS sleeping/not working
Red	Always on	Connect the external power
	Not bright	Disconnect external power

2.4 Relay Wiring Instructions

Remote Cut-Off (Fuel /Power)
(wiring diagram)

Oil pump

Green   Green

87A   30

relay (12v)

86   85

White

USPE 2A

Red   5V out
       DO3
Black DIN5
       DO2
       DIN2

9-90V

Power supply

Yellow

ON   START

ACC

Orange
LOCK   Car key

WhatsGPS
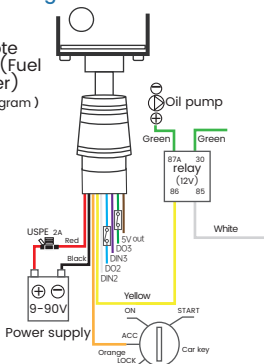
Relay wiring of the pump:

The oil joint at both ends is a thin white line (85) and a thin yellow line (86). The thin white line (85) is connected to the positive power supply (+ 12V) of the vehicle. The thin yellow wire is connected to the device relay control wire.

Cut off the positive connection cable of the pump: then connect in series to the normally closed contact of the relay (thick green line 87A), and connect the other end to the COM contact of the relay (thick green cable 30).

2.5 Installation method

The installation mode of the device is hidden installation.

It is recommended that the installation be carried out under the guidance of the professional and technical personnel designated by the dealer. Pay attention to the following matters:

* To avoid damage by thieves, the device location should be hidden as far as possible;

* Avoid being placed with transmitting sources such as reversing radars, burglars, and other in-vehicle communication devices;

* Can be fixed with cable ties, or with wide sponge strong double-sided adhesive;
* The device has a built-in GSM antenna and GPS antenna. When installing, it should be sure to face up (towards the sky), and there is no metal shielding above.

3. Installation Diagram

Around thedashboard

Under the rear windshield

Under decorativepanel
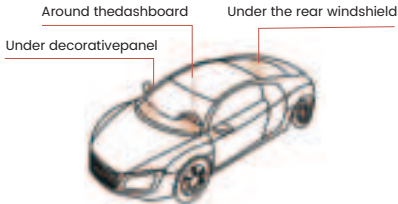
4. Specification

Project	Specification	Remark
Operating voltage	DC 9V - 90V	
Working current	53mA	12V
Static current	11 mA	When not charging
Target method	GPS+BDS	
Positioning error	< 10M	
Communications network	2G/4G	
Communication frequency band	LA: LTE-FDD B2/B4/B5/B7/B66 GSM 850/1900 MHz	
Communication mode	TCP	
Range of working temperature	-20℃~+75℃	
Working humidity	10 %RH~ 85 %RH	
Specifications size	L98.5*W38*H17mm	
Weight	71g	
Built-in battery capacity	300mAh	
Warranty period	1 year	

5. Description of Common Commands

The following commands can be sent via SIM card SMS or issued via whatsgps platform

5.1 Common setup commands

SN	Command function	Command format	Remark
1	Set online	SERVER,1,[DomainName/IP],[port], 0# SERVER,1,gps.whatsgps.com,6801, 0#	Set the device to point to Server IP and port
2	Set APN	APN, [APN's name]#APN, cmiot#	The APN varies according to the local telecom operator
3	Set upload interval	TIMER,[T1]# TIMER,10#	T1: 5-18000 seconds, motion upload interval, the device defaults to 10s
4	Heartbeat interval setting	HBT,[T]# HBT,3#	T: 1-1440 minutes, heartbeat packet upload time interval, the default is 3min
5	Set time zone	GMT,[A],[b],[C]#GMT,E,0,0#	A=E/W, for the eastern and western time zones; B: 0-12, is time zone C: 0,15,30,45, which represents the half time zone and defaults to 0.