

### 5. Main Functions 5.6 Displacement alarm(default OFF)

## 5.1 SOS

In emergent case, press SOS for 3 seconds to activate SOS alarm. Then the device will send SOS SMS to preset SOS numbers and then dial the numbers in a loop for 3 times until the call is picked up.

# 5.2 Power cut-off alarm

External power supply cut-off alarm

Analog & Digital input/Digital output

Find the car by triggering light and buzzer

Door status-detection

 Over-the Air (OTA) Low battery alert

When the electricity supply of device is cut off, it will activate cut-off

## 5.3 Low battery alarm

When battery is low, the device will activate low battery alarm.

## 5.4 Vibration alarm(default OFF)

When vehicle vibrates several times, the vibration alarm will be triggered. If no ignition after 3 minutes (ACC OFF), the device will send vibration alarm message immediately.

# 5.5 Voice monitoring

Use pre-set SOS number to dial the device, after 10 seconds, device changes to monitoring mode automatically. The caller can then hear the noise inside the vehicle. Device won't be in monitor mode when

1.Pre-set SOS number is necessary. 2.SIM card of device must have caller ID sevice.

Device will send movement alarm when vehicle moves out the pre-

## 5.7 Oil/Electricity cut-off

1.3 Specifications

Operating Voltage 9-34VDC<300mA

Frequency

Location Time

\_ocation Accuracy

2.My device

2.1Appearance

When vehicle is stolen, oil/electricity cut-off command can be sent by platform, APP or SMS.

# 1. Make sure ACC is correctly connected. 2. When ACC is OFF, command will be executed immediately.

3. When ACC is ON, but GPS is not fixed, command will be postponed. 4. When ACC is ON, GPS is fixed, command will be executed when If you want to cut off/restore oil by SMS command, you have to set a

center number firstly. Only the center number can send the cut off/restore oil command to the device. (See command list 7-14)

### 1.Only the SOS number can be used to set center number. 2.Only the SOS number can be used to delete center number.

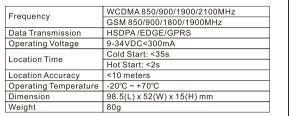
3. There is only one center number can be set.

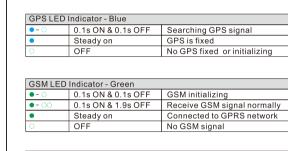
5.8 Restore oil/electricity When alarm is all-clear, you can send restore oil/electricity

# 5.9 Restart device

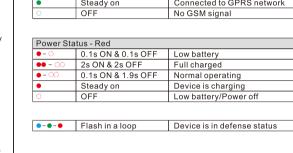
If GPRS is abnormal (device is offline), you can send SMS command RESET# to restart the device. Device will reboot after 20 seconds after receiving the command.(See command list 7-16)

### 2.2 LED indicators





GPS LED indicator •—



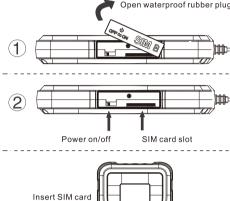
### 3. Installation

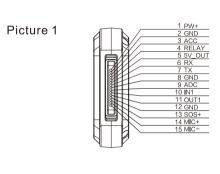
### 3.1 Install the SIM card

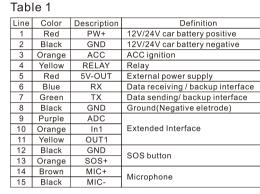
SIM should be inserted correctly.

SIM card should have GPRS service.





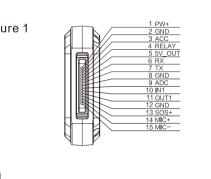




7. Common Command List

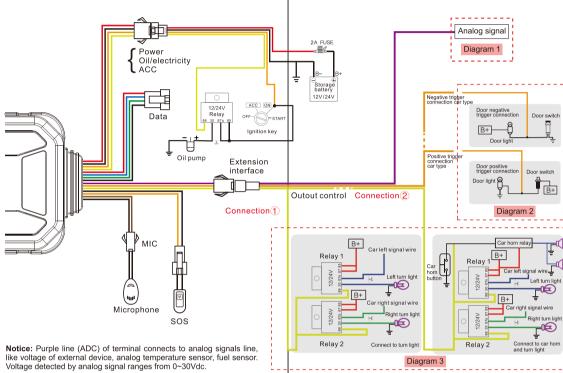
Edit SMS command in the right column to the device SIM number to

### 3.2 Device Wire Definition





# 3.3 Device Wiring Way



### **Wiring Instruction**

- 1. The standard power supply ranges from 9V to 34VDC. Please use the power cord manufactured by the original factory. Red line means positive side while black line means negative side. During installation, negative side should connect to the ground, do not connect with other ground wires at the same time. 2.ACC line (orange) connects to vehicle's ACC switch, detecting
- ignition on and off. 3. Device's oil and electricity control line (yellow) connects to relay's 86. (thin yellow line of relay socket)

# Relay wiring instruction Relay wiring way of oil pump open circuit: On each end of the wire is thin white line (85) and thin yellow line (86). Thin white line (85) connects to the positive side of battery (12V) while thin yellow line (86) connects to the device relay control. There is an oil pump in the vehicle. Cut off the positive line. The positive side of oil pump connects to the close-end of relay.(Thick green line 87a), and the other side connects to relay's common(green thick 30).

extended port to external relay.

12V relay is standard. The device is suitable for vehicles with 12V battery. If the vehicle has 24V battery, then 24V relay is needed.

- 4.To monitor analog signals, the purple line (ADC) of extended port should be connected to the analog line. 5. To check status of car door, orange line (IN1) should be connected to where between the door light and door switch (See the diagram). 6.To find car remotely, please connect the yellow line (OUT1) of
- Wiring instruction for remote trigger car light and buzzer Thin white line (85) and thick green line (87) of relay should be connected to car battery's positive pole. The thin yellow line (86) is connected to the yellow line (OUT1) of extended port. Cut off the line of car turn light first and then connect one side with turn light to the common terminal (thick green line 30) and other side to closed terminal (thick green line 87a). See diagram for wiring way.

. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No.of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original

2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product 3. Warranty repairs must be carried out by our Authorized Service

Date		Serviced by					
Product Model							
IMEI Number							
Fault Descriptions							
Comments							

3.4 Device Installation



Metal thermal barrier or heating layer of the windshield affects the

Power on: Once you insert a valid SIM card and connect all the

earching process, GSM LED and GPS(blue) LED will flash. Once

wires, turn on the device. Power LED will flash first. During signal

Blue GPS LED keeps steadily ON, it means the device has been

When device is connected with external power, please turn on the

battery switch. The battery will then connect with the device circuits

and its built-in battery will be charged. If battery is OFF, battery can't be charged. The device will be power off if no external power supply.

signal. Please change installation places to receive better signal.

4. Operation of device

Power on/ Power off

located and it starts to work.

Power off: Just turn off the power switch.



you through the functions and features of your GPS

One side of the device is marked "THIS SIDE TOWARDS SKY", place the unit upside down will result in connection Avoid placing the device somewhere that metal will be

## **6.Platform Operation**

### voltage; when door is closed, signal level of door is 0V. 5.11 Analog signal

The device can measure car battery's voltage and upload it to platform/APP in fixed time based on your needs. Purple line (ADC) of device extended port can receive analog signal, like voltage of external device, analog temperature sensor and fuel sensor. Voltage range of analog input is 0~30Vdc. See diagram (3.3) for wiring way. (See command list 7-18)

command by platform, APP or SMS and restore vehicle power. (See command list 7-15)

5.10 Door detection The device is able to detect door status. It uploads car status to platform and APP timely. Negative triggering is default. When car door's status is negative triggering, there is no need to set. Instead,  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ if car door status is positive triggering, the triggering way has to be modified. (Command: DOOR,1#). See diagram 2 (3.3) for wiring

Negative triggering (default): when door is open, signal level of door is 0V; when door is closed, signal level of door is power voltage. Positive triggering: when door is open, signal level of door is power

### 5.12 Find the car by triggering light and buzzer

When need to pick out the car parking on giant parking lot, you can send a command. After the device receives the command, it will control turn light relay or horn relay by the vellow line of extended port, so as to trigger the car's light or horn. In this way, you can figure out your car's position easily and accurately. See diagram 3(3.3) for wiring way. (See command list 7-19)

Get registered on the designated service platform by authorized dealer, then you can start the tracking service and settings.

# 6.1 APN & Server setting

server setting before login.

In most countries, APN could be automatically adapted to local mobile operators. If not, please send SMS to set the APN. If username and password is required for APN, please add it into the

Confirm the server address and setting with distributors. If server is

# incorrect, please send SMS to change.

SERVER,mode,domainName/IP,port,0# E.g. SERVER,1,www.ydpat.com,8011,0# SERVER,0,211.154.135.113,8011,0# mode = 1 means set with domain name mode = 0 means set with ip address

## 6.2 Login service platform

Please login the designated sevice platform to set and operate the

store or Google Play store.

6.3 Download APP Please download and install the APP in designated website, APP

### Check version Network setting E.g: APN,internet# E.g: APN.internet.CLIENTE.AMENA# E.g. SERVER,1,www.ydpat.com,8011,0# SERVER,0,211.154.135.113,8011,0# mode1 means set with domain name mode 0 means set with ip address 1. Add SOS number: 2.Delete subjected sequence of SOS

# 6 APN setting E.g. SOS,D,1,2,3# Delete the SOS number . Query SOS number : SOS# T1=5~18000 seconds; ACC ON upload interval; default value: 10 T2=5~18000 seconds; ACC OFF upload interval; default value: 10 (when GPS is GPS data upload

### distance interval | Distance interval; default value : 300, DEFENSE, A# A:1~60 minutes, set delayed defense, default value : 10 minutes Vibration alarm R=100~1000; Displacement radius, setting (default OFF) E.g. MOVING,ON,200,2# Delete center number: CENTER,D 0= restore petrol; 1=cut off petrol Default value : 0 E.g. RELAY,1# this command Car door negative/ setting default: 0

### Problems Causes when use the GPS Using the GPS tracker in the that have poor signal reception, such as: Poor signal tall building around Low battery Jsing the GPS tracker in the places that have good signal Poor signal connect to the network Unable to Signal shielded or Poor signal Change the installation place No power off alarm Built-in battery is off Turn it on Device restart 20 seconds after receiving Fail to start the car Power cutoff / ACC abnormal Restore power/Check ACC Car stops driving Abnormal power supply Connect the device negative electrode to constant pow Jpload analog data: ADT,ON Check power supply/Press Indicators off sleep T: upload interval; scope: 5 ~ 3600(second) Turn off analog upload: ADT,OFF#; default: OFF side key to activate indicators No update of vehicle's No GPS positioning Test the device again/ Change installation place Find car by 19 triggering light and buzzer location

8. Trouble shooting

If you are having trouble with your device, try these troubleshooting

harge the device battery

# Warranty instructions and service

purchase of the product from the dealer.

Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.

4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period. 5. The warranty is not applicable to cases other than defects in material, design and workmanship.

## Maintenance Record

1		Date	Serviced by	
+		Product Model		
6	IMEI Number			
	Fault Descriptions			
	Comments			