



### 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

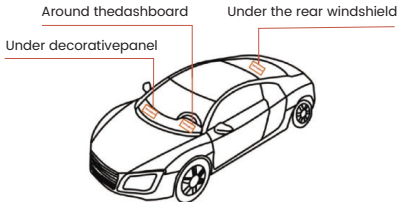
The installation mode of the device is hidden installation.

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



## 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<br>B2/B4/B5/B7/B66<br>GSM 850/1900 MHz |                   |
| Communication mode           | TCP                                                |                   |
| Range of working temperature | -20°C~+75°C                                        |                   |
| 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#<br>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]#<br>TIMER,10#                                                  | T1: 5-18000 seconds, motion upload interval, the device defaults to 10s                                                                          |
| 4  | Heartbeat interval setting | HBT,[T]#<br>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;<br>B: 0-12, is time zone<br>C: 0,15,30,45, which represents the half time zone and defaults to 0. |