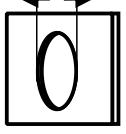


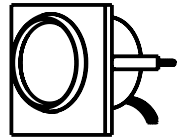
Φ85-87mm(3-2/5")



A

如A图，在准备安装仪表面板上开孔Φ85~87mm，并保证面板后面有至少70mm的空间。

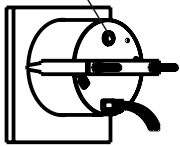
Pic A : Before installation , firstly ,to open a hole (Dia:85~87mm) of the panel, make sure there is a space with (70mm backyard of panel) as well



B

如B图，将仪表放入开好孔的仪表面板中  
PicB: Put the gauge in the hole

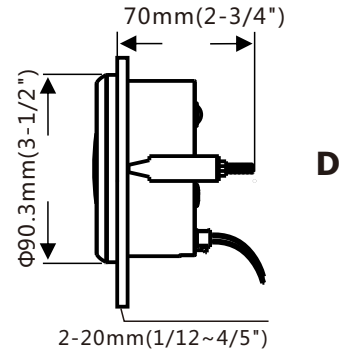
Button:Adjust the speed ratio



C

如C图，用M4螺母和C型固定扣将仪表锁紧在仪表面板上

Pic C: Using M4 nut and C type bracket to seal up the gauge



D

如D图，关于外形尺寸的标注说明

Pic D: Size and annotations

## GPS installation instructions/天线安装说明:

GPS速度表说明：

1、参考E图连接电线，然后打开电源，仪表即可开始工作,仪表开始工作时，处于搜索信号状态，速度表会自动计数，计数到300.如果没有搜索到GPS信号，显示E01.处于搜星状态或中途GPS信号丢失速度表开始计数,计数到300,仍然没有GPS信号显示E02.

2、故障代码：E01 表示上电时GPS搜索不到GPS信号。  
：E02 表示中途GPS信号丢失。  
：E03 表示仪表内部电路出现故障。

速比调整：

1)按住仪表黑色橡胶按键3秒，进入速比设置模式，如果松开按键3秒，退出速比设置模式，并自动保存所设置的数据。

2)进入设置模式后,按住按键数值一直增加,松开按键,再按住按键,数字一直递减;速比调整范围:1-300，调整到您想要的速比值,松开按键3秒,数字自动保存,1-12速比之间,步进值0.1,12-300速比之间,步进值0.5.

3)如果您的传感器安装在飞轮盘上,速比值等于发动机齿轮数;如果转速信号取自W点信号,速比值等于电极数的一半(Poles/2)

典型速比设置参考：

| 舷外机 |    |
|-----|----|
| 电极数 | 速比 |
| 4   | 2  |
| 6   | 3  |
| 8   | 4  |
| 10  | 5  |
| 12  | 6  |

| 舷内机或汽油机 |    |    |
|---------|----|----|
| 气缸数     | 冲程 | 速比 |
| 4       | 4  | 2  |
| 6       | 4  | 3  |
| 8       | 4  | 4  |
| 10      | 4  | 5  |
| 12      | 4  | 6  |

| 柴油发动机      |    |
|------------|----|
| 飞轮齿数       | 速比 |
| 速比=发动机飞轮齿数 |    |

H-096.0

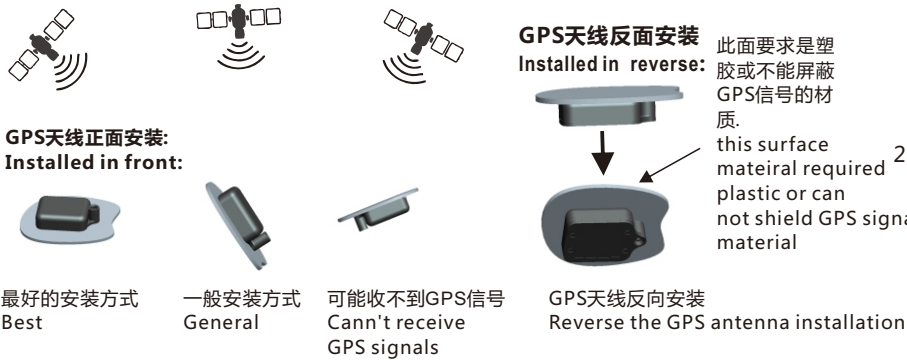
表示设置速比=96

技术参数：

工作电压：8~16VDC，  
工作电流：≤120mA；  
工作温度：-30~+75℃  
存储温度：-40~+85℃。

Specification：

Operating Voltage：8~16VDC，  
Operating current：≤120mA；  
Operating temperature：-30~+75℃  
Storage temperature：-40~+85℃。

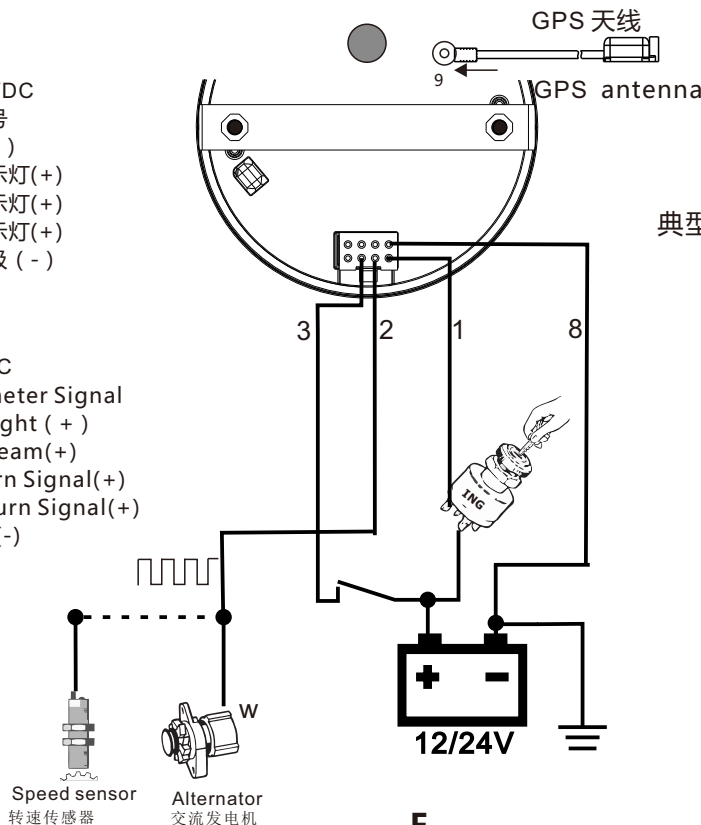


接线：

- 1、红色线--+8-16VDC
- 2、绿色线--转速信号
- 3、橙色线--背光(+)
- 4、紫色线--远光指示灯(+)
- 6、黄色线--左转指示灯(+)
- 7、白色线--右转指示灯(+)
- 8、黑色线--电源负极(-)

Connection：

- 1、Red --+8-16VDC
- 2、Green--Tachometer Signal
- 3、Orange--Backlight(+)
- 4、Purple--High Beam(+)
- 6、Yellow- Left Turn Signal(+)
- 7、White--Right Turn Signal(+)
- 8、Black--Ground(-)



E

Wires Connecting

## GPS speedometer :

- 1.To connect the wires as picture E, the device will start to search GPS signal after power on, within 300 seconds (LCD display from 1-300)Error:E01: No GPS signal was founded within 300 secondsE02: GPS was lost during its working , but not any GPS signal was founded again (within 300 seconds) even if the device was trying to search again .

## 2. Fault code

- : E01 indicate that is couldn't search any GPS signals whenin an energized state
- : E02 indicate that it lose GPS signal .
- : E03 indicates that there is a circuit problem .

## Speed ratio adjustment:

- 1)Press the black rubber button on the instrument for 3 seconds, then it will enter into the speed ratio setup mode, if the button is released for 3 seconds, it will exit the speed ratio setup mode, and automatically retain the setting data.
- 2)After entering the setup mode, press the button, the value will be increasing, and release the button, then press it again, the number will be decreasing; the adjustment range of speed ratio : 1-300, The stepping value is 0.1 for the range 1-12 and 0.5 for range 12-300. Adjust the ratio value to what you want, then release the button for 3 seconds, the digital automatic will automatically save.
- 3)If your transmitter is installed on the flywheel, the ratio value is equal to the number of the engine gear; if the speed signals come from w point signal, the ratio value is equal to half electrodeplate (Poles/2). If it is the gasoline engine, the speed ratio is equal to the number of cylinders (cylinder/2).

## Typical ratio setting reference:

| Outboard |             |
|----------|-------------|
| poles    | speed ratio |
| 4        | 2           |
| 6        | 3           |
| 8        | 4           |
| 10       | 5           |
| 12       | 6           |

| Intboard or Gas engine |       |             |
|------------------------|-------|-------------|
| cylinder               | cycle | speed ratio |
| 4                      | 4     | 2           |
| 6                      | 4     | 3           |
| 8                      | 4     | 4           |
| 10                     | 4     | 5           |
| 12                     | 4     | 6           |

| Diesel engine           |             |
|-------------------------|-------------|
| Gear number             | speed ratio |
| speed ratio=Gear number |             |



The set speed ratio=96