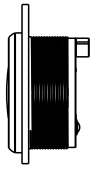


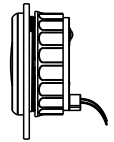
A

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，拧开后盖，然后将仪表放入开好孔的仪表面板中
PicB: Twist off the cover then put the gauge in hole

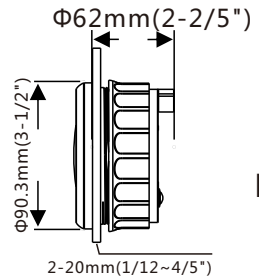


C

如C图，将仪表调整好位置后用仪表后盖将仪表锁紧在仪表面板上
Pic C: Mount the gauge in hole, twist the back cover on after adjustment.

仪表功能说明：

- 1) 按轻按Set按键(小于1秒)一次，改变背光颜色: 背光顺序红色(默认) → 绿 → 蓝 → 白 → 黄 → 黄绿 → 橙 → 紫 → (自动)。自动：设置为自动背光时背光熄灭2秒再点亮，然后1分钟自动切换一次背光颜色。照上面顺序循环切换)
- 2) 按住仪表Mode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。
- 3) 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。短按按键可微调速比值。
- 4) 如果您的传感器安装在飞轮盘上，速比值等于发动机齿数；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)



D

如D图，关于外形尺寸的标注说明
Pic D: Size and annotations

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	



TRIP单次累计时间，掉电自动清零
累计时间，掉电数据不清零

表示设置速比=9.6

Speed ratio adjustment:

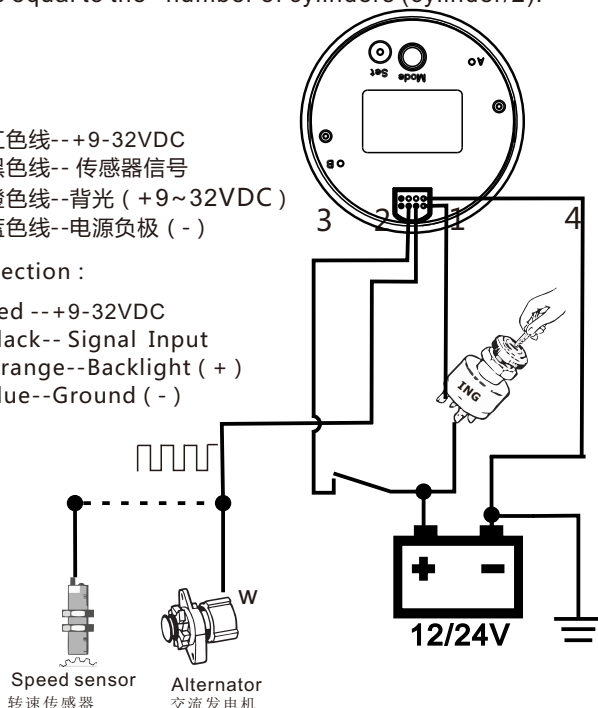
- 1) Press the Set button (less than 1 second) to change the backlight color: Backlight changed in sequence: red (default) → green → blue → white → yellow → yellow green → orange → Purple → (automatic). Automatic: As the gauges was set with the automatic , the backlight will be off for 2 seconds then lighten up, And will switch the backlight color as above sequentially.
- 2) Press the black rubber Mode 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.
- 3) 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. (short press the button to adjust the speed ratio according to the variation of minor stepper value)
- 4) 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).

接线：

- 1、红色线-- +9-32VDC
- 2、黑色线-- 传感器信号
- 3、橙色线-- 背光 (+9~32VDC)
- 4、蓝色线-- 电源负极 (-)

Connection :

- 1、Red -- +9-32VDC
- 2、Black -- Signal Input
- 3、Orange -- Backlight (+)
- 4、Blue -- Ground (-)



E Wires Connecting

Typical ratio setting reference:

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

Inboard 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	



TRIP is to display the cumulative time for one working time, will be clear when power off.

Total working hours will not be clear when power off

The set speed ratio=9.6

技术参数：

工作电压：9~32VDC，
工作电流：≤100mA(24V)；
工作温度：-30~+75°C
存储温度：-40~+85°C。

Specification :

Operating Voltage : 9~32VDC ,
Operating current : ≤100mA(24V);
Operating temperature : -30~+75°C
Storage temperature : -40~+85°C.