OWNER'S MANUAL

Φ52-53mm(2")

A

B

Button:Adjust the speed ratio

C

如A图，在准备安装仪表面板上开孔Φ52~53mm,
并保证面板后面有至少70mm的空间。

Pic A : Before installation , firstly ,to open a hole
(Dia:52~53mm) of the panel, make sure there is
a space with (70mm backyard of panel) as well
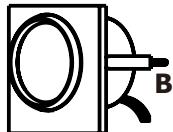
如B图，将仪表放入开好孔的仪表面板中

PicB: Put the gauge in the hole

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

70mm(2-3/4")

Φ55.4mm(2-9/25")

2-20mm(1/12~4/5")

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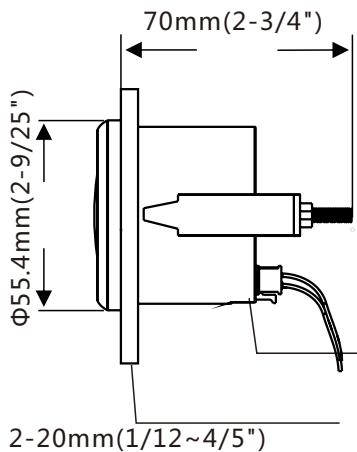
如D图，关于外形尺寸的标注说明
Pic D: Size and annotations

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	
飞轮齿轮数	速比
速比=发动机飞轮齿轮数	

H-096.0

表示设置速比=96

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).
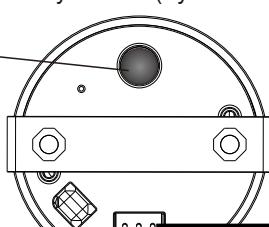
Typical ratio setting reference:

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	

**H-096.0**

The set speed ratio=96

Button:Adjust the speed ratio

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

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

ING

12/24V

Speed sensor
转速传感器

Alternator
交流发电机

E
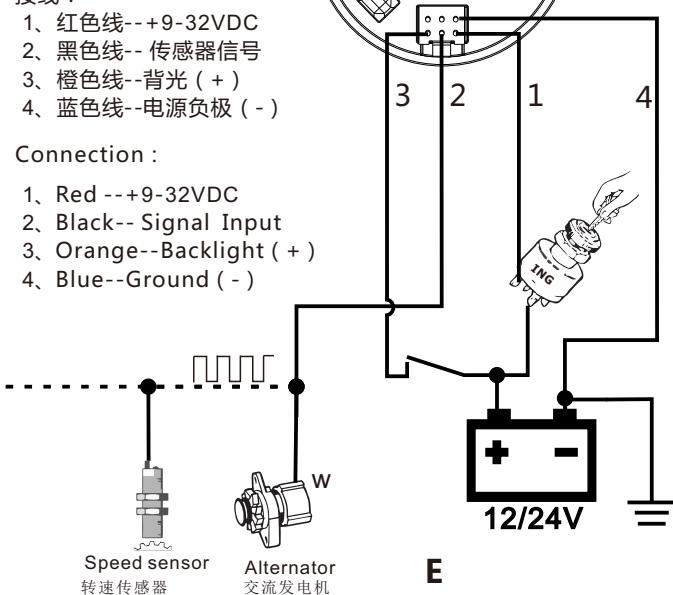
技术参数 :
工作电压：9~32VDC ,
工作电流：≤60mA;
工作温度：-30~+75℃
存储温度：-40~+85℃。

Specification :
Operating Voltage : 9~32VDC ,
Operating current : ≤60mA;
Operating temperature : -30~+75℃
Storage temperature : -40~+85℃。