Φ52-53mm(2")

A
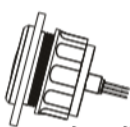如A图，在准备安装仪表面板上开孔Φ52~53mm,
并保证面板后面有至少70mm的空间。
Pic A : Before installation , firstly ,to open a hole
(Dia:52~53mm) of the panel, make sure there is
a space with (70mm backyard of panel) as well
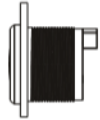
B
如B图，拧开后盖，然后将仪表放入开好孔的仪表面板中
PicB: Twist off the cover then put the gauge in hole

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 guage in hole, twist the back cover on
after adjustment.

Φ62mm(2-2/5")
Φ55.4mm(2-2/9/25")
D
2-20mm(1/12-4/5")
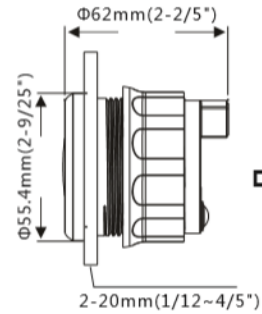
如D图，关于外形尺寸的标注说明
Pic D: Size and annotations

技术参数：
工作电压：9~32VDC ,
工作电流：≤70mA;
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℃。

gps installation instructions/天线安装说明:

GPS天线反面安装
Installed in reverse:

此面要求是塑胶或不能屏蔽GPS信号的材质。
this surface materiaI required plastic or can not shield GPS signal material

GPS天线正面安装:
Installed in front:

最好的安装方式
Best

一般安装方式
General

可能收不到GPS信号
Cann't receive GPS signals
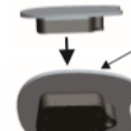
GPS天线反向安装
Reverse the GPS antenna installation

SOG 8.8.8 MPH Knots Km/h
COG TRIP 888888 NM Kmi

仪表功能说明：
1、 按住Mode按键3秒，进入背光设置模式，让后短按按键改变背光颜色:背光顺序红色(默认) →绿 →蓝 →白 →黄 →黄绿 →橙 →紧→（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、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，SOG会自动计数，计数到300，如果还没有搜索到GPS信号，SOG会显示E01。处于搜星状态或中途GPS信号丢失SOG会闪烁。
3、短按仪表背面的按键，可以实现KNOTS、MPH、KM/H单位的切换，并自动保存。
名词解释： SOG: 表示对地速度-航速；COG: 表示相对于地面位置的移动方向，表示相对于正北顺时针方向的角度
TRIP: 小计里程，掉电自动清零；ODO 累计里程，掉电数据不清零。   COG、TRIP、ODO跟根据 客户要求定制。
4、 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。

GPS 天线
GPS antenna
Mode

接线：
1、红色线--+9~32VDC
2、不连接
3、橙色线--背光（+9~32VDC）
4、蓝色线--电源负极（-）

Connection :
1、Red --+9~32VDC
2、NC
3、Orange--Blacklight（+）
4、Blue--Ground（-）

E
参考E图连接电线
Pic E(Wires Connecting)
12/24V

Operation:
1.Press the button (less than 2 seconds) to change the backlight color.(Backlight sequence red (default) → green→ blue → white → yellow → yellow green→ Orange →Purple → (Automatic switch).)
Automatic: Automatic switch: The back light will be off for about 2 seconds, then switch(red (default) → green → blue → white → yellow → yellow green→ Orange → Purple), one color per minute.
2. Power on , the GPS speedometer start working and seeking if any positive GPS signal available(in 300 seconds maximum). Meanwhile, the "SOG" increasing like 0,2,3...299,300.If the GPS speedometer could not receive any GPS signal during the 300 seconds, the "SOG" will show "E01"
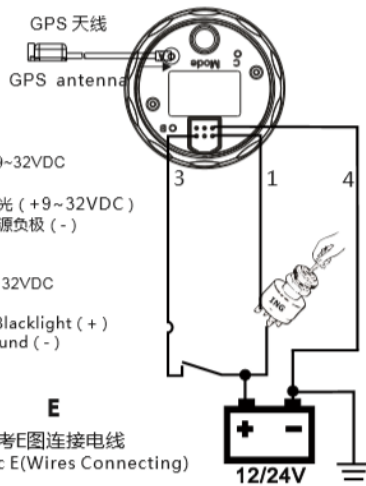3、Users could select the speed unit via quick pressing the button of gauge's back.
Glossary:
SOG: Speed over ground;
COG: Course over ground
TRIP: Total mileage for one working time, data will be cleared when power off.
ODO: Total mileage for all working time, data will not be cleared when power off.
Remarks: Function for COG、TRIP、ODO could be customized.
4、Error:
E01 : No GPS signal available when power on
E02 : GPS signal lost during driving/sailing
E03 : Internal faults