OWNER'S MANUAL
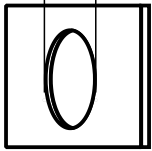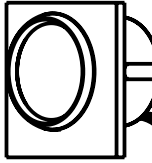
Φ52-53mm(2")
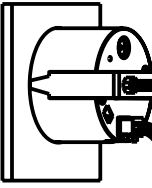
A

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
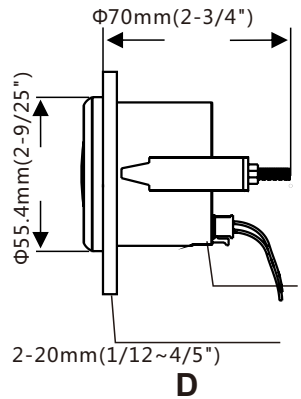
B

如B图，将仪表放入开好孔的仪表面板中

PicB: Put the gauge in the hole

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

Φ70mm(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

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℃。

gps installation instructions/天线安装说明:

GPS天线正面安装:
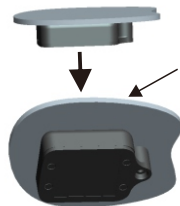**Installed in front:**

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
mateiral required
plastic or can
not shield GPS signal
material

GPS天线反向安装
Reverse the GPS antenna installation

SOG MPH Knots Km/h
COG ODO TRIP NM Kmi

1、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。
2、如B图，将仪表放入开好孔的仪表面板中,并用F和D配件将仪表锁紧。
3、如G图，将线束E插入仪表中；如G图，连接好GPS天线，并按H图接线示意图将电线连接好。
4、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。
5、轻触仪表背面的按键，可以实现KNOTS、MPH、KM/H单位的切换，并自动保存。

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只能选择其中一种显示。
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

3 2 1 4

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

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

ING

12/24V

E:接线图
Pic E(Wires Connecting)

1. The hole of Φ52~53mm is opened on the instrument panel to be installed as shown
    in figure A, and ensure that the space behind the panel is 70 mm at least.
2. The instrument is put in the instrument panel with the hole as shown in figure B,
    and the instrument will be locked by F and D accessories.
3. The wiring harness E is inserted in the instrument; as shown in figure G, GPS
    antenna is connected;   as shown in G figure, and electric wire is connected according
    to the H figure wiring diagram.
4. Turn it on , then the meter start to search the signal and SOG will count automatically.
    If there is still no GPS signal when it count to 300,the SOG displays "E01",indicating
    that the meter is searching the signal . When the SOG is flickering, indicating the
    GPS signal is lost.5.Touch the back button of the meter, we can switch the
    unit:KNOTS,MPH,KM/H and save atuomatically.
    SOG:Speed Over Ground.
    COG:(Course Over Ground): The moving direction relative tothe ground position,
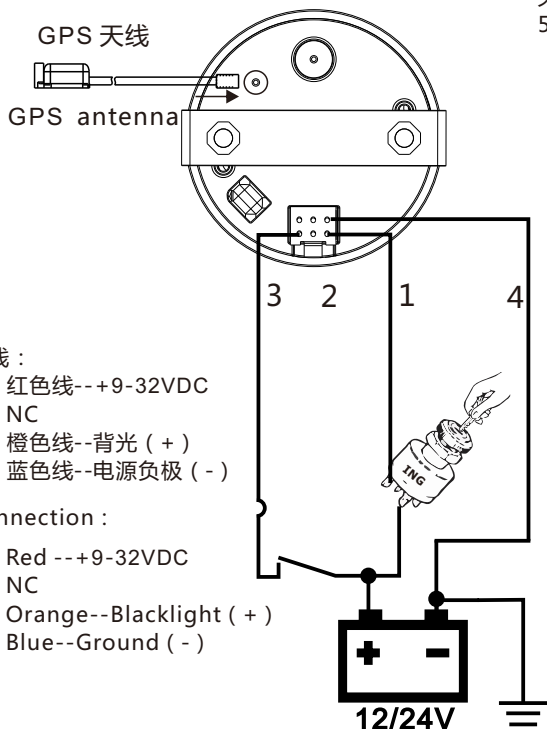   showing clockwise direction relative to the north.
TRIP : Return zero when off electricity.
ODO : Accumulated, and never return zero when off electricity.
You could choose one way of the three (COG 、TRIP and ODO) to display
Fault code: E01 indicate that is couldn't search any GPS signals whenin an energized
        state
        : E02 indicate that it lose GPS signal .
        : E03 indicates that there is a circuit problem .