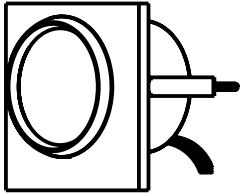


A

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。

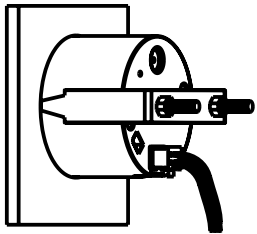
Pic A : Before installation , firstly ,to open a hole (Dia:52~53mm) of the panel, make sure there is a space with (70mm backyard of panel) as well



B

如B图,将仪表放入开好孔的仪表面板中

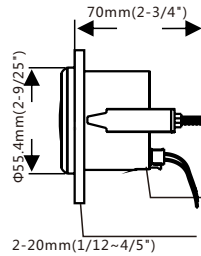
PicB: Put the gauge in the hole



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



D

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

1. 功能说明:

A. 本产品采用12V供电,上电显示当前水位深度,蜂鸣响一声,表示开机正常。

B. 功能调节:

短按mode键: LCD活动区域依次切换功能参数调节显示: SH DP KL UN.

长按mode键: 在开机状态下,长按mode键关LCD显示,再长按一次打开LCD显示。

短按上箭头(▲)键或下箭头(▼)键: 向上或向下调节参数。

长按上箭头(▲)键或下箭头(▼)键: 快速向上或向下调节参数。

参数调节说明:

SH: (低水位报警) 设定范围: (0-0.6-19.9) 当前水深等于或低于此值报警 SH图标闪烁 蜂鸣器连续滴滴响起。

不报警设置为: 0

报警值设定范围: 0.6-19.9

DP(深水报警): 可设置范围:

1). M单位时: 0-99

2). FT单位时: 0-199

3). F单位时: 0-49

超过设定深度报警: 蜂鸣器每秒钟响2次

KL: (船龙骨抵消) 可设置范围:

1). M单位时: 0-6.0

2). FT单位时: 0-19.9

3). F单位时: 0-3.3

设置了该值,测试深度显示会减去该值。即: 显示深度值=测试深度值 - 设定值

UN: 单位来回切换 M- FT - F 分别代表单位: 米,英尺,英尺

注: 1. 当没有搜到信号或信号弱时数据闪烁

2. 深度表显示范围: 3feet-199feet 当数据大于19.9时,所有数据将以整数显示,否则以一位小数方式显示

1. Operation:

A. This device is work with 12V system only, to indicate the depth appointed. Normally, the buzzer beeps once when it was connected

correctly then turn on the power

B. Keypad"Mode":

Quick press the keypad"Mode" to switch SH / DP / KL / UN

Hold the keypad"Mode" to turn on/off the monitor

Short press the keypad "▲"▼"to set the value required

Hold the keypad "▲"▼"to keep the digital increasing/decreasing flunently.

Parameter:

SH: (Low level alarm)

Range : 0-0.6-19.9, when the level no more than value(SH) appointed,the symbol flickering and the buzzer beeps all the time.

If SH=0 -->No alarm

Alarm setting range :0.6-19.9

DP:(Depth alarm):

Range:

1). Unit "M": 0-99

2). Unit "FT": 0-199

3). Unit "F": 0-49

If the level exceed the appointed value , the buzzer will beeps twice

Keel offset (KL):

Range:

1). Unit "M": 0-6.0

2). Unit "FT": 0-19.9

3). Unit "F": 0-3.3

If the value(KL) was appointed,the depth indicated should be deducted by this .That is to say :

Indication =Actual depth -appointed value

UN: Switch the unit M(meet)- FT(feet) - F(Fathom)

Remark:1. The digital will be flickering where there is not signal or the signal is too week to read

2. Indication range : 3 ft~199ft , if the depth > 19.9, the digital will be like "XXX",if less the digital will be like "XX.X"



Transducer

接线:

- 1、红色线--+12VDC
- 2、NC
- 3、橙色线--背光(+)
- 4、蓝色线--电源负极(-)

Connection :

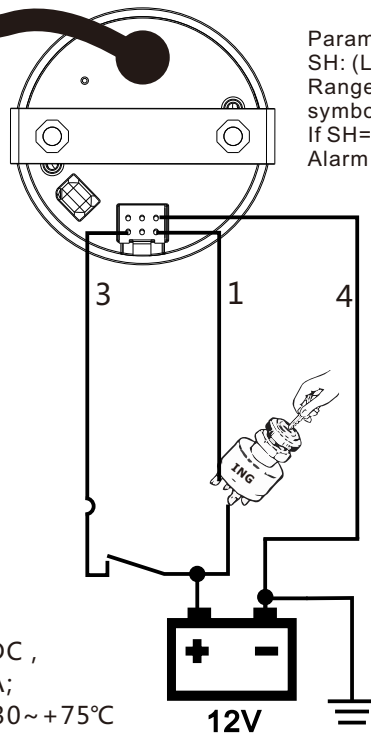
- 1、Red --+12VDC
- 2、NC
- 3、Orange--Blacklight (+)
- 4、Blue--Ground (-)

技术参数:

- 工作电压: +12VDC ,
- 工作电流: ≤60mA;
- 工作温度: -30~+75°C
- 存储温度: -40~+85°C.

Specification :

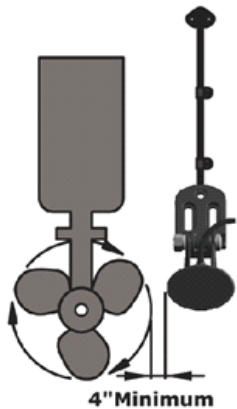
- Operating Voltage : +12VDC ,
- Operating current : ≤60mA;
- Operating temperature : -30~+75°C
- Storage temperature : -40~+85°C.



1) 声纳探头的安装位置

为确保探头的使用效果, 探头应安装在船体下方有水流通过的位置。如果可能的话, 探头应安装在船体后面的中轴线上。

- 如果是单螺旋桨驱动的船, 探头的安装位置应距离螺旋桨至少4“(100mm)的位置。
- 如果是双螺旋桨驱动的船, 探头的安装位置应安装在两螺旋桨之间, 并确保探头距离任何一个螺旋桨至少4“(100mm)的位置。
- 安装探头在船内侧时, 应考虑螺旋桨搅起的水花是否会出现探头的探测范围水域内。如是, 那么水花中的气泡会影响本探测仪的使用效果。



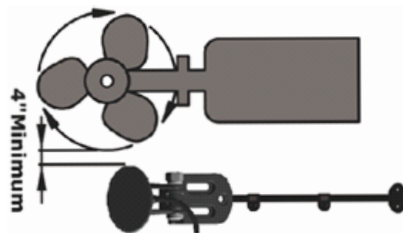
1. Installation position -depth sounder (probe)

To make sure the depth sounder work effectively, the probe should be installed under the hull, where there is water floats through. If possible, better to be installed on the central axis, behind the hull.

- If the boat have one propeller only, the distance between the probe and the propeller should be at least 4 inches (100mm)
- If the boat have two propeller, the distance between the probe and either propeller should be at least 4 inches (100mm)

Note:

If the probe installed inside the hull, users should consider if the probe will be effected by the splash. If yes, that is to say, the probe was influenced



2 Operation -depth sounder

- To seal the holder with 2pcs 5mm nuts on the appointed position
- User use marine sealant cover the nuts for better tightness.

Note:

- Do not tighten the nuts before the probe was at correctly position
- Generally, to keep the bottom of the probe at horizontal line is crucial for the accuracy
- To consider that there is inclination when the boat at a high speed, users should installed as below advised models to avoid less influence.

2) 安装声纳探头

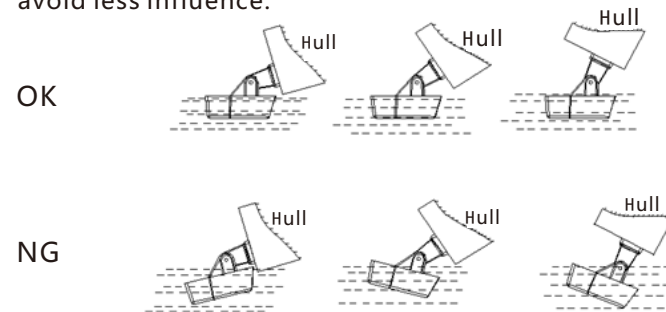
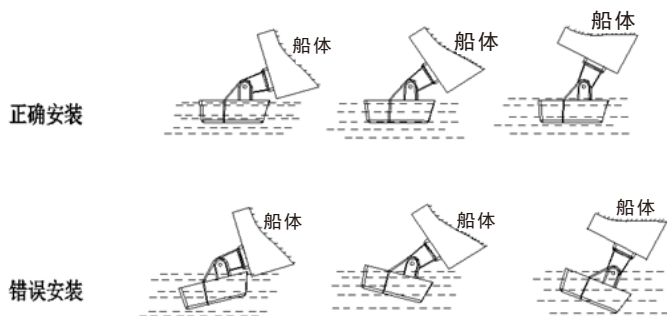
将探头的安装支架用两颗5mm的自攻螺钉安装在船选定的安装位置上。

安装时应在螺钉上涂上船用密封胶。如螺钉穿头船体, 应做好相应的密封工作。

注意: 在未调整好探头的位置之前, 先不要扭紧螺母。

一般情况下, 探头的底侧平面应保持水平, 这时的探测结构最准确。

在探头安装在船上使用时, 考虑到船体在高速行驶的过程中船体会有一定的倾角, 所以安装探头时应考虑补偿这一倾角。如下图所示。



3) 探头线的排布

使用前应将探头线的位置固定好, 保证螺旋桨等运动部件不会刮碰到探头电缆线。

- 如果需要钻一个孔将探头电缆线穿过船体, 那么最好将这个位置选在船吃水线的上方。
- 在这个位置用铅笔做个标记。
- 检查船内侧是否有物体影响到钻孔及电缆线通过。
- 在选定位置钻一个直径20mm的孔。
- 将探头电缆线从钻好的孔中穿入船内。
- 将船体外侧的电缆线用电缆夹固定。
- 用船用密封胶将电线通过孔密封。

调整使用角度, 保证传感器底面水平向下。

如果船在行驶时船体倾斜, 请根据传感器安装位置及船体倾斜程度适当调整安装角度, 保证船行驶时, 传感器底面水平向下。

实物安装图:



3 Wires Management

Before sealing the probe, please make sure the wires will not be scratched by propellers or any other parts of boat

- If you need to drill through the hull for the wires, the best position should be above the waterline of the boat
- Take a remark
- To check if there are any parts effect drilling or wire through
- Drill a hole with diameter 20mm at appointed position
- Put the wire through the hole and into the hull
- To use a wire clamp to fix all the extended wires
- To use marine sealant to sealing all the wires

Note:

- To make sure the bottom of probe face downwards
- If there is inclination during driving, please adjust the probe and make sure its perfect working and measuring.

