

WSI-H192A

Compass repeater

User manual



User notice

► Disclaimer

Warning: Before using this product, please refer to the important safety information in the user manual and review all warnings, limitations and disclaimers.

This product is no substitute for proper training and careful seamanship. Proper installation and proper use of the equipment is the responsibility of the owner to avoid accidents, personal injury or property damage. The user of this product is solely responsible for compliance with maritime safety practices.

The owner is solely responsible for installing and using the equipment in a manner that will not cause accidents, personal injury or property damage. The user of this product is solely responsible for compliance with maritime safety navigation practices.

This document represents the product at the time of release. Ningbo SHANBEI Technology Co., Ltd. reserves the right to change product specifications at any time without prior notice. If you need any further assistance, please contact your nearest dealer.

► Governing language

This Statement, any instruction manuals, user guides and other Product-related information (documentation) may be or have been translated into another language (translation). If there is any conflict between any translated version of the document, the Chinese version of the document will be the official version of the document.

► Copyright

Ningbo SHANBEI Technology Co., LTD. All rights reserved.

► Cautions

- 1 Do not place the equipment at will without fixing it, so as to avoid serious damage when it is dropped due to turbulence or other factors during the voyage.
- 2 Do not use any power adapter that is not equipped with this product. Otherwise, the device may not work due to the different circuit design, or the performance may be affected or even damaged.
- 3 Do not disassemble the equipment. If the maintenance engineer is not authorized by the company to disassemble the equipment, the free warranty will be lost.
- 4 During use or cleaning, avoid any liquid or other objects falling into the equipment to avoid circuit damage or short circuit.
- 5 Do not place the device and its accessories in an environment prone to humidity or direct sunlight. Keep the device in a dry environment.
- 6 In case of hardware failure (such as damage to the machine shell or foreign matter falling into the machine, etc.), please stop using the machine immediately and contact the dealer in time.
- 7 The company shall not assume any legal or other liability for any maritime accident, monetary loss or loss of interests that occurs on vessels using this equipment.

Contents

1	Introduction	01
1.1	Overview	01
1.2	Product appearance	01
1.3	Product composition	01
1.4	Product size drawing	01
1.5	Product wiring diagram	02
2	Technical parameter	03
2.1	Product basic parameter	03
3	Installation instructions	04
3.1	Embedded installation	04
3.2	Desktop installation	04
4	Instructions and precautions for use	05
4.1	Instructions for use	05
5	Fault analysis and elimination	06
6	Safety protection and accident handling	07
6.1	Safety protection devices and precautions	07
6.2	Troubleshooting procedures and methods	07
7	Maintenance and repair	08
7.1	Daily maintenance and maintenance	08
7.2	Operation precautions	08
7.3	Long-term maintenance and maintenance	08
8	Transportation, storage and warranty	09
8.1	Transportation precautions	09
8.2	Storage precautions	09
8.3	Warranty period	09
9	Other	10
9.1	Phone number of the after-sales engineer	10
9.2	Company information	10

1 Introduction

1.1 Overview

The WSI-H192A compass repeater is a device that can accurately and real-time feed back the ship's heading information to the steering control room. The size of this product adopts standardized design and can freely choose desktop installation or embedded installation according to the actual situation. The product has the following characteristics:

1. Beautiful and simple; Quiet, high precision;
2. Touch button, easy to operate.

1.2 Product appearance



Figure 1.1

1.3 Product composition

Number	Name	Quantity
1	Compass repeater	1
2	Power cable	1
3	Certificate of conformity	1
4	Warranty card	1
5	Specification	1

Table 1.1

1 Introduction

1.4 Product size drawing

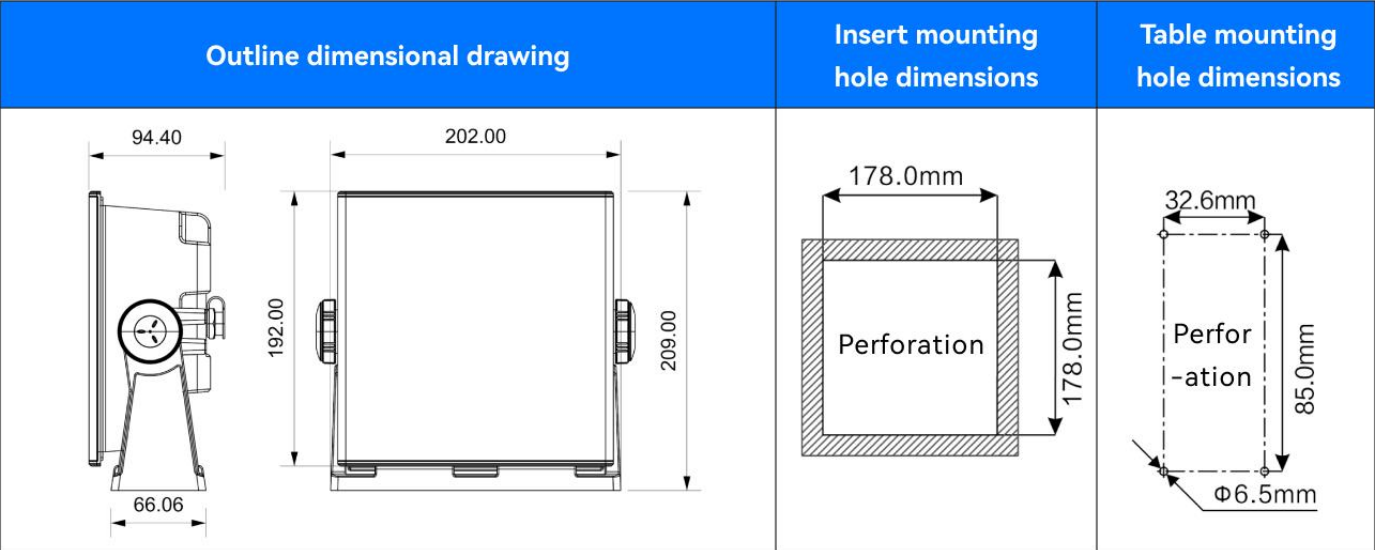


Figure 1.2

1.5 Product wiring diagram

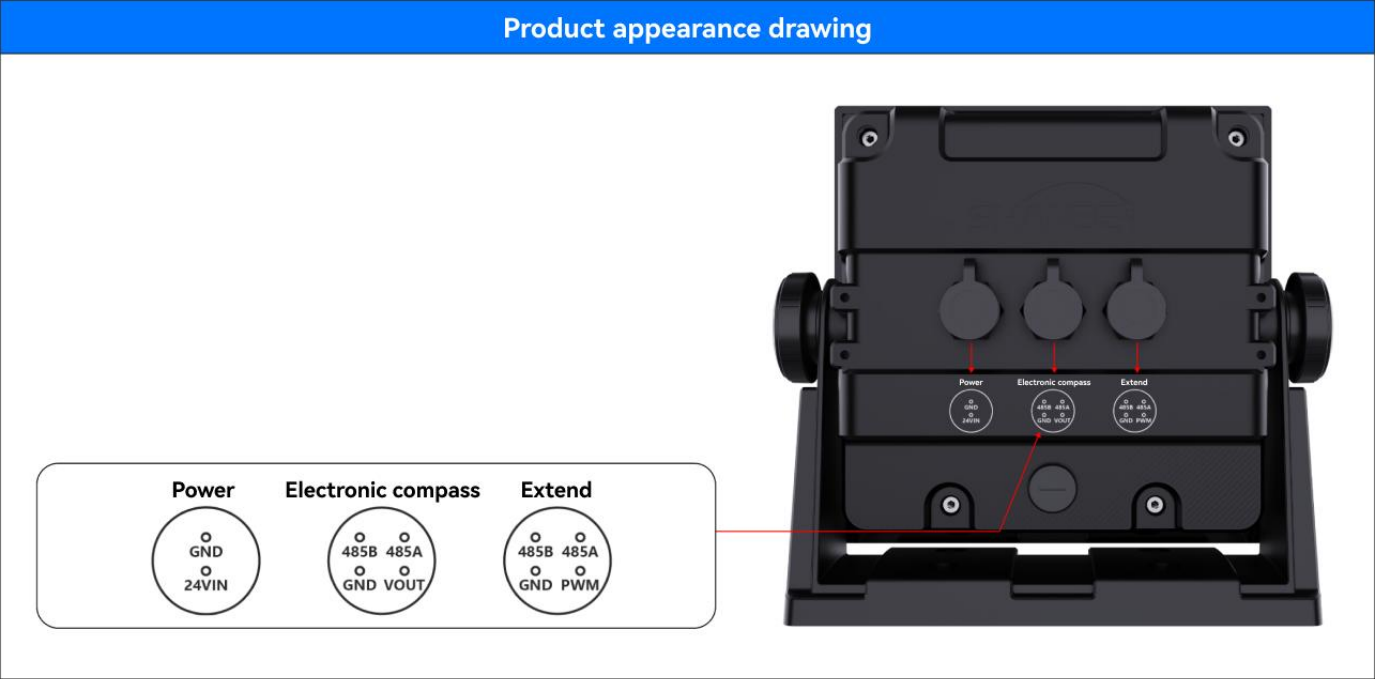


Figure 1.3

1. The device is delivered with two cables: two-core cable and four-core cable.
2. Connect the 2-core cable to the power socket with the red terminal of the cable and the black terminal of the cable to the 24V negative terminal, as shown in Figure 1.3.
3. Insert the 4-pin plug of the electronic compass into the center socket.
4. If you need to output heading signals to other devices, plug the four-core cable into an expansion socket. Otherwise, do not use the socket. (Four-core cable is defined as red PWM dimming input, black GND, brown 485A, blue 485B, if the device only needs heading signals, only brown 485A, blue 485B can be connected).

2 Technical parameter

2.1 Product basic parameter

Display accuracy	0.1°
Supply voltage	18~26VDC
Power dissipation	3.6W±0.25W
Input interface	RS 485
Input outputInput output	NMEA 0183, HDT
Operating temperature	-15°C~55°C
IP lever	IP56
Weight	1130g (countertop), 1040g (embedded)

Table 2.1

3 Installation instructions

3.1 Embedded installation

1. As shown in Figure 3.1, install the fixing frame A on the back of the compass repeater by screw C.
2. Secure the compass repeater to the mounting surface by screw B to ensure stability.

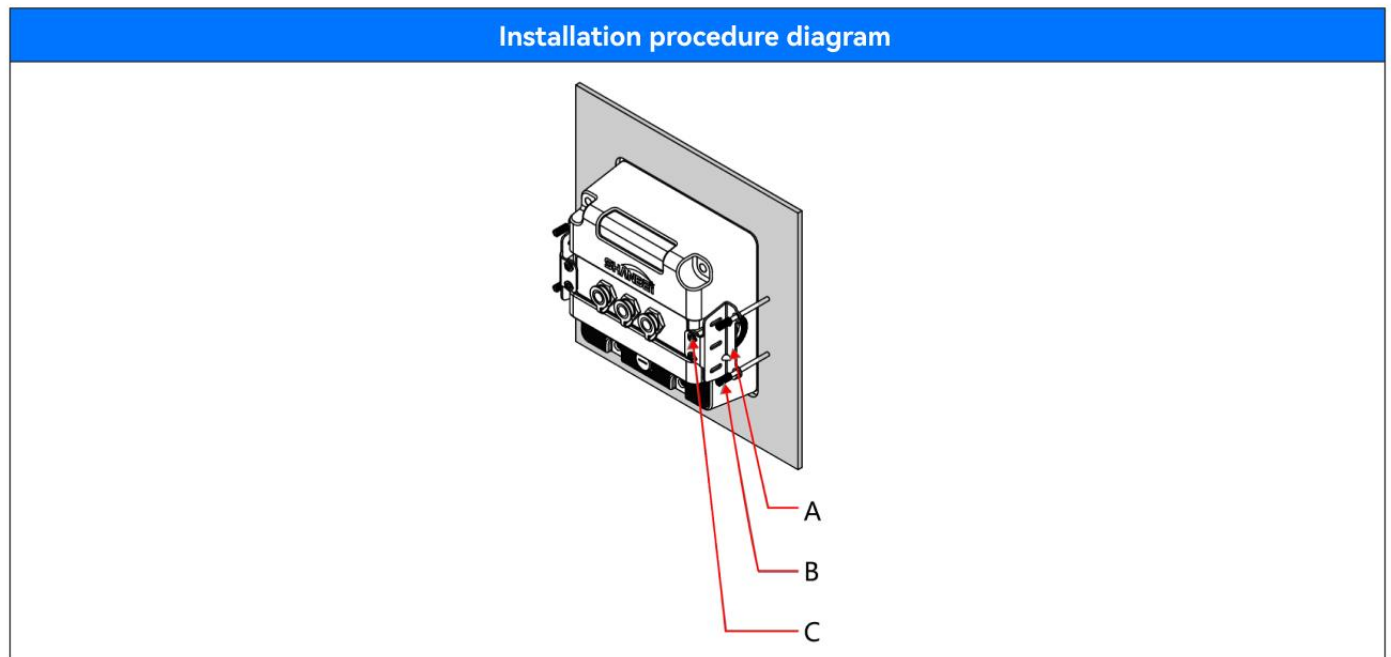


Figure 3.1

3.2 Desktop installation

1. As shown in 3.2, install the screws in hole D and fix the compass repeater and bracket on the table.

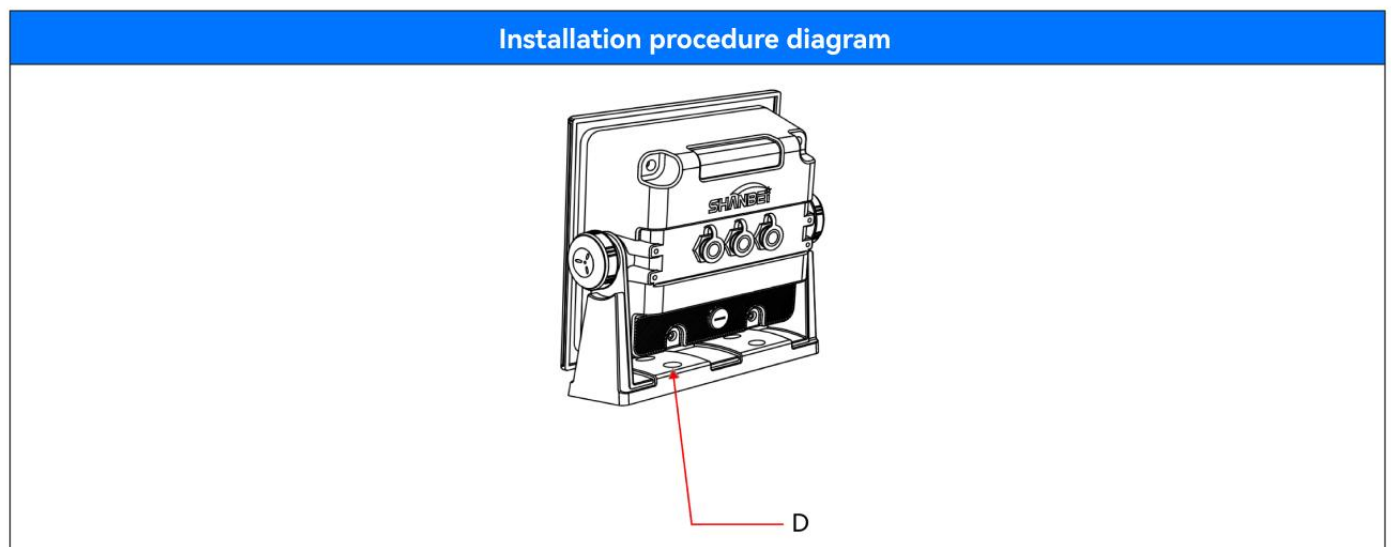


Figure 3.2

4 Instructions and precautions for use

4.1 Instructions for use

1. Power on: Ensure that the device is properly connected and the power button is back bright. Press the power button to power on and the compass repeater enters the automatic position seeking state. If no electronic compass or other heading source is connected, ERR is displayed on the digital display screen in the lower left corner, indicating that no heading source is connected or the heading source is abnormal.
2. Shutdown: Press the power button for 4 seconds and release the finger, the machine will enter the standby state;
3. Brightness adjustment: in the startup state, press the brightness button to adjust the brightness cycle of the dial backlight, from the brightest to the darkest, until it is extinguished.

5 Fault analysis and elimination

This product has been put into operation since the use, basically no fault, with our statistics, the after-sales problem is basically due to wiring errors, resulting in normal use, in addition, there is no technical fault. Customers in the use of the process, if you find technical problems, please promptly communicate with our technical personnel.

1. If the backlight is not on after the device is powered on, check whether the power supply is normal.
2. Digital tube display ERR, check whether the heading source is normal;
3. Touch the key does not respond, the key is damaged;
4. The compass does not rotate smoothly, and the internal motor is damaged.

6 Safety protection and accident handling

6.1 Safety protection devices and precautions

1. In the important position of this product, the fastening seals have been processed before leaving the factory, and shall not be disassembled without permission. If the seals are damaged, any product quality problems will be borne by the buyer.
2. Once the product fails to operate normally, please stop using and disconnect the power supply immediately, and contact our after-sales service engineer for a solution.

6.2 Troubleshooting procedures and methods

1. In the process of use, there is an unsolvable fault problem, contact our after-sales service engineer.
2. During the warranty period, if the fault occurs due to the product itself, we will provide a complete replacement product and send it to the buyer for free replacement. And provide technical support; If the fault is not caused by the product itself, we can provide two options of complete replacement products and on-site services, which are selected by the buyer. All costs are borne by the recipient.
3. If the warranty period is exceeded and the fault occurs, we can provide two service options that can completely replace the product or replace some parts of the product, which are selected by the buyer. The required cost shall be borne by the purchaser.

7 Maintenance and repair

7.1 Daily maintenance and maintenance

In the daily non-use state, attention should be paid to the maintenance of this product. Through maintenance, maintenance can improve the service life of the product, the specific maintenance and maintenance methods are as follows:

1. Wipe the surface of the product regularly with a dry rag to ensure that the outside of the product is clean and tidy.

7.2 Operation precautions

1. Stop using the device when the compass repeater has a problem. Contact our after-sales engineer.
2. Please strictly follow the instructions. Failure to operate in accordance with the regulations will result in product failure or other major accidents, which shall be borne by the buyer.

7.3 Long-term maintenance and maintenance

Long-term placement, maintenance maintenance methods, and daily maintenance, maintenance methods are the same.

8 Transportation, storage and warranty

8.1 Transportation precautions

Physical damage to the product caused by violent shaking and collision should be avoided during transportation.

8.2 Storage precautions

Room temperature, dry, cool environment. Avoid high temperature exposure or low temperature freezing, which will cause irreversible damage to the damping parts and reduce the service life.

8.3 Warranty period

The warranty period of this product is 12 months from the date of receipt of the goods by the buyer. Based on the date of receipt of documents for express delivery or the date of receipt of invoice.

9 Other

9.1 Phone number of the after-sales engineer

Contact: Mr.Xu

Tel: 18067343163

9.2 Company information

Manufacturer: Ningbo SHANBEI Technology Co., LTD

Address: A2-902, R&D Park, High-tech Zone, Ningbo

Postal Code: 310001

Tel: (0574) 87182781

Fax: (0574) 87182781

For more information, please visit:

en.shanbei-tech.com

Ningbo Shanbei Technology Co.,Ltd

Address: 902 Area A, R&D Park, High-tech Zone, Ningbo, Zhejiang, China

WhatsApp: +86 13186888051

E-mail: 3667568441@qq.com

Wechat: 13186888051

WhatsApp →

