

Owners Installation & Operation Manual

Please read this user manual carefully before using the product

DW700 with 200mm diameter drum

DW1100 with 240mm diameter drum

DW1500 with 280mm diameter drum



DW700

DW1100

DW1500

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I FEATURES

- No need for any specific chain and rope
- Improved strong self-locking gear box can take load on both directions and provide tremendous lifting and high stress capacity
- Heavy duty and fully sealed DC motor with long life and high output torque
- Motor/gearbox has 8 different degree mounting points to suit deck or anchor well
- Marine grade aluminum alloy & fully sealed gear box to ensure corrosion resistance and maintenance free
- Suit any thickness of deck and easy to install by yourself

II PACKAGE CONTENTS

- | | | |
|---|------------------|-----|
| ● | DRUM WINCH | × 1 |
| ● | CONTROL DEVICE | × 1 |
| ● | USER MANUAL | × 1 |
| ● | HARDWARES (PACK) | × 1 |

III SPECIFICATIONS

SPECIFICATIONS	DW700	DW1100	DW1500
Suit boat size:	15~20ft	20~26t	26~36ft
Drum diametre:	200mm	240mm	280mm
Take 6M 6mm chain plus 6mm rope:	70M	150M	200M
6M 6mm chain plus 8mm rope:		85M	110M
Max. working load(drum empty to full):	1280~180 kg	2210~255 kg	3780~365 kg
Max speed(drum full to empty):	47~6.6 M/min	40~5 M/min	42~5 M/min
Voltage:	12V DC	12V DC	12 / 24V DC
Weight:	11 kg	14kg	16kg)

South Pacific Industrial Pty Ltd reserves the right to alter or change specifications without notice.

IV INSTALLATION

1. PLANE

- a. First of all, a suitable bow roller must be installed to support the anchor, chain and rope.
- b. A bollard or snubbing device should be installed between the bow roller and winch to tie the rope on while being anchored or securing the anchor in the fully raised position.

2. CONSTRUCTION

- a. You may install the winch on the deck or inside the anchor well. If the winch has been installed inside the anchor well, a roller may needed between the bow roller and the winch to prevent the rope/chain from scratching the deck. Also, you can adjust the motor/gear box position to fit inside the anchor well. Refer to the photo below.



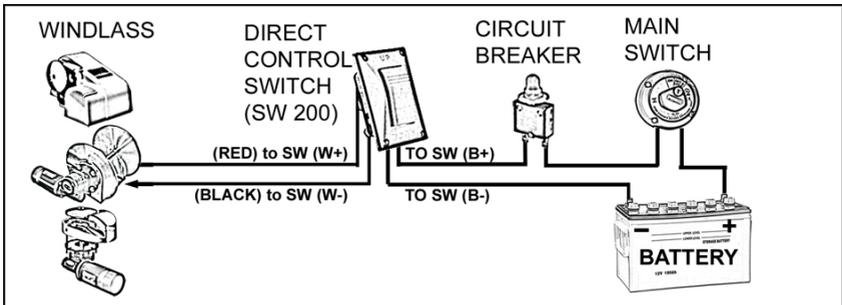
Rope direction can be either at upper or lower side of the drum

- b. Mount control device at a suitable position either in the cabin or close to the operating area.
- c. Connect the winch, control unit and power source using electric cable indicated below. Keep the power supply cable as short as possible. Too thin and/or too much length of electric cable will reduce the performance of the windlass or cause the circuit breaker to work incorrectly.

Model	Main Heavy Cable	Switches Cable	Circuit Breaker
DW700(12V)	AWG6 or 13mm ² or 105A rating	AWG18 or 8A rating	50A
DW1100(12V)	AWG4 or 21mm ² or 145A rating		90A
DW1500(12V)	AWG2 or 33mm ² or 200A rating		135A
DW1500(24V)	AWG4 or 21mm ² or 145A rating		65A

- d. There is one control system that is included in the package, please refer to the connection diagram below.

◆ Direct control system(Single station):

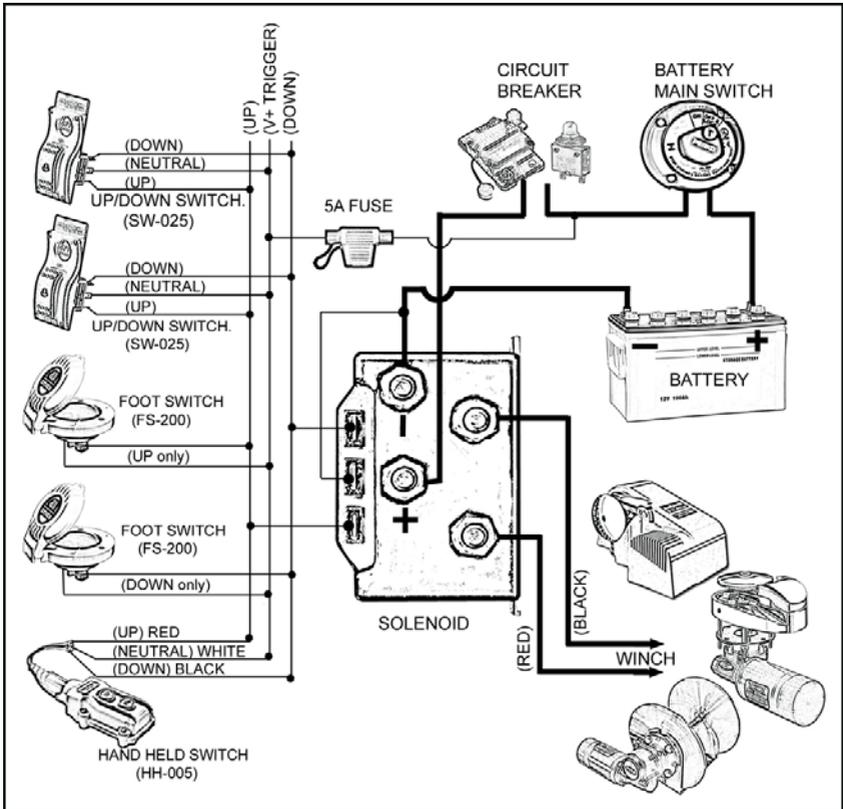


Note: The direct control switch SW-200 with dynamic brake, can not be parallel.

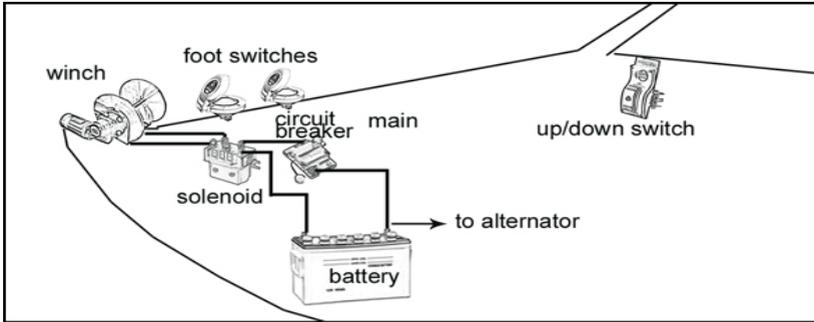
◆ Indirect control system:

Using multiple up/down switches, foot switches or hand held switch for multiple control, a solenoid is necessary.

If you have an existing control unit, you **must remove it** before installing this indirect control system. Also, **do not** attach SW-200 to solenoid as an up/down switch (SW-025). Refer to the diagram below.



Due to the heavy current draw from the DW1100 and DW1500 series, we recommend the use of an independent battery (also require charge from an alternator) with a minimum capacity of 55AH seated close to the winch to minimize power loss and reduce cost of electrical cable. Please refer to the diagram below.



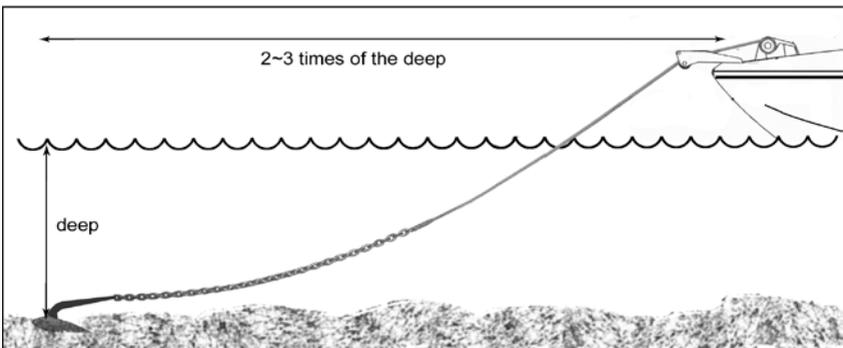
Note: For safety reasons, cut off the winch power from the main or circuit breaker while not in use.

The direct control system and indirect control system can not exist concurrently.

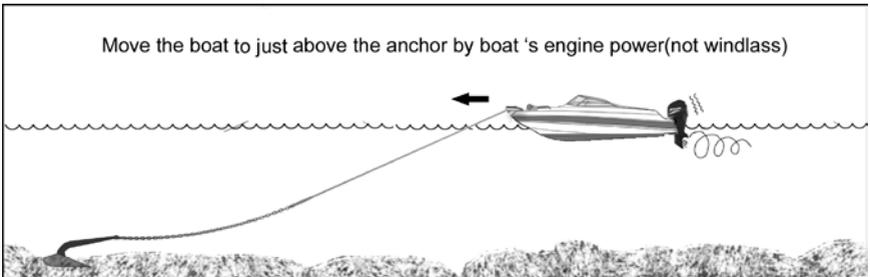
If the winding direction is not as desired, you can switch over the wires on the winch.

V OPERATING

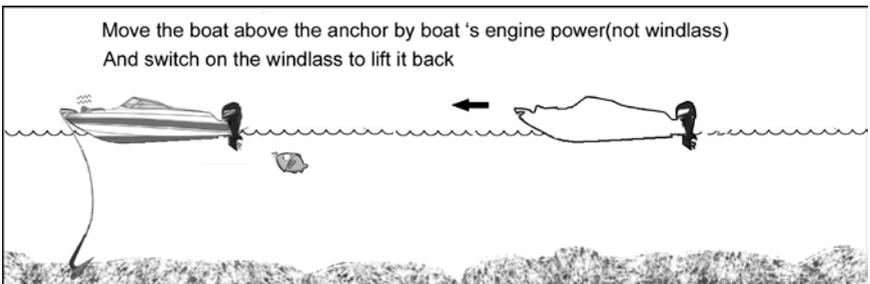
1. During operation, if the circuit breaker bounces it means the motor is overloaded. After about 10 seconds press the button to reset.
- 2 Pay out the rope and chain approximately 2~3 times the water's depth for a firm casting while being anchored.



3. Keep limbs, fingers, clothing and hair clear of the winch and anchor to avoid possible personal injury during operation.
4. ***Tie the anchor rope firmly to the bollard when the anchor is cast and the boat is moored.*** Do not allow the winch to take the force of the boat's drag.
5. When retracting, untie the rope from the bollard. Then move the boat to the position just above the anchor by boat's engine power(not by winch's power) and switch on the winch to lift it.



When the anchor is close to the bow roller, ***slow down the roll in by pausing the switch.***



NOTE: The winch is designed to lift the anchor, rather than to drag the boat or for mooring.

6. If the anchor is stuck on the sea bed or reef, tie the rope on the bollard and detach it by the boat's engine power before operating the winch or else it may cause damage or overstrain the winch.

7. The anchor winch is not designed for continuous operation. Do not use for more than **15 minutes** at a time under loading. Allow an interval of 30 minutes after each operation.
8. **After use, secure the anchor firmly in place** in the boat by extra device(such as hook, shackle...) to avoid damage caused by anchor falling during transport.



★OPERATING SAFETY IS THE FIRST PRIORITY

VI MAINTENANCE

1. The DW Series winch comes with a sealed oil lubricated gear box. There is no need for extra lubrication. please check oil level after every 500 uses and using synthetic 10W-40 engine oil if needed .
2. In order to allow the winch to perform at optimum capacity and extend its life, use fresh water to wash off salt water after each use.

VII WARRANTY

1. The warranty is deemed as effective only under conditions of normal operation, maintenance and without modification of the product.

2. CLAIMS

If the product needs servicing, please send it back to your local distributor with the proof of purchase. However, the cost of postage or removal from the boat will be borne by the owner.

3. LIMITATIONS AND EXCLUSIONS

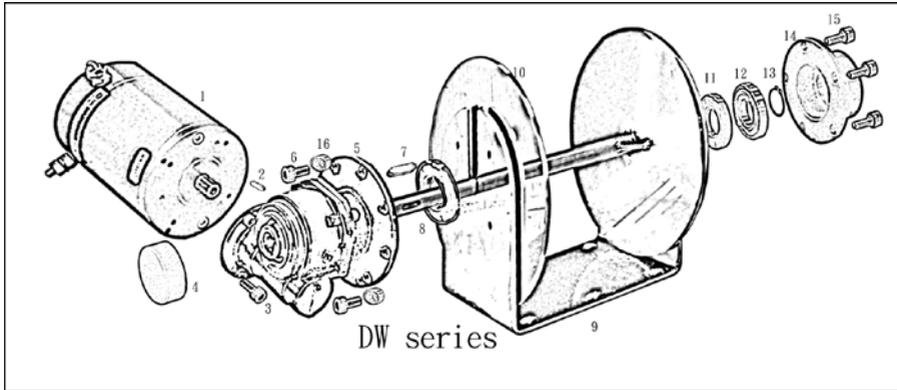
The warranty will be deemed effectively only if used on a non-commercial basis and will be invalid under the following conditions:

- a. Operation exceeds the designed specifications
- b. Use for purposes other than indicated
- c. Disassembly or modification of the product
- d. Installation of other parts on the product
- e. Third party products even if associated or used together with this product.

VIII IMPORTANT INFORMATION

1. In every circumstance, the operator must make safety as the first priority. An inexperienced person or a child should not operate this product. The manufacturer takes no responsibility for any damage, property loss or injury caused from improper operation.
2. If a product is accepted for refunding, the manufacturer is not responsible for any renovation of the boat.

IX PARTS LIST:



	Parts	Item	Note
1.	R044(0)(1)(2)	Motor (DW700)(1100)(1500)	
2.	R0456	Key 4x4x15	
3.	R0197-(12)(14)	Screw M6x(12)(14) sus	
4.	R0428	Rubber cap	
5.	A0027	W1-80-GLX for DW700	
	Gear box	W1-64-GLX for DW1100 and DW1500	
6.	R0463	Screw M8x12 sus	
7.	R0457	Key 6x6x25 sus	
8.	R0434	Oil seal 20x55x6	
9.	R044(7,8,9)	Base (700,1100,1500)	
10.	A0023-7,11,15	DW drum - 700,1100,1500	
11.	R0072	Oil seal 20x42x7	
12.	R0075	Ball bearing 20x42x12	
13.	R0069	S-clip 20mm	
14.	R0429	DW bearing hub	
15.	R0019	Screw M5x10	
16.	R0464	Bush 8x10x6	

Thank you for choosing South Pacific products

Purchase Date:	Model:
Supplier Name:	
Address:	
Phone:	Fax: