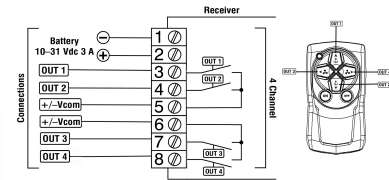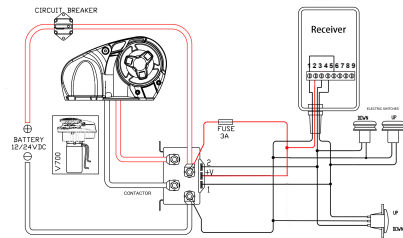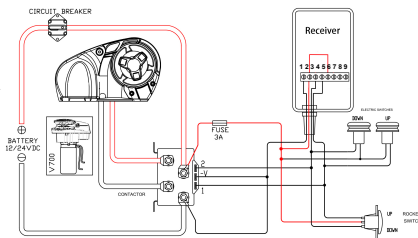## ELECTRICAL WIRING DIAGRAM WINDLASS
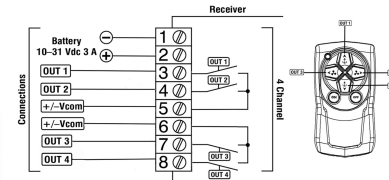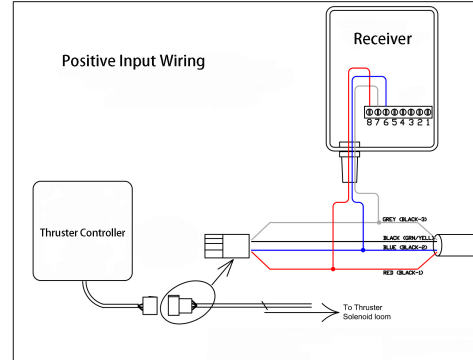

Negative Input Wiring
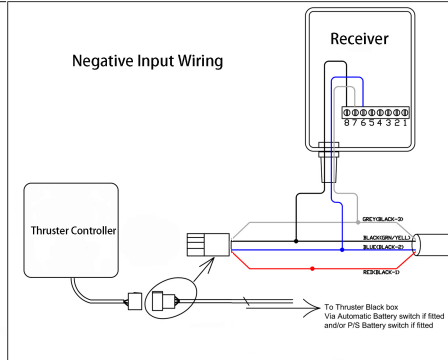
Positive Input Wiring

ELECTRICAL WIRING DIAGRAM TRUSTER

Positive Input Wiring
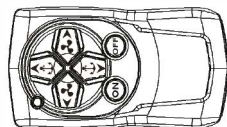
Negative Input Wiring

WIRELESS REMOTE CONTROL KIT
FOR WINDLASS AND THRUSTER

Secure encryption floating transmitter
water resistant IP67 FCC & CE approved
receiver included

Control Box

Function: 4 Channel Wireless Remote Control
Input Voltage: DC10~30V
LINE LED Color
 >DC9V : Green <DC9V : RED
Working temperarature: 0 to +70ºC
Control Board Max load : DC10~30V 3 Amp

Function: 4 Channel Wireless Remote Control
Working temperarature: 0℃ to +70 ℃
Maximum control distance: 35M
Input Voltage: 23A DC12V Battery *2pcs

LED Color : Battery Power Full (>9V) : Green Battery Power Low (<9V): RED

*ATTENTION: ALWAYS CHECK BATTERY STATUS BEFORE VOYAGE.

Safety Notice:

Please be sure to read through this instruction manual before installation and operation, improper operation can cause personal injury or damage to boat.
- Windlass and Thruster system should be power off when not in operation.
- The wireless transmitter should be putting away in a safe location when not in use to prevent accidental operation.
- Windlass should be visible to operator at all times when in use.
- All personnel on board should be in a safe distance from windlass, anchor when in operation.
- Do not use the wireless system for any other purpose not described in this manual.

Basic Requirement:

Each installation requires:

TRANSMITTER AND RECEIVER	WIRING
The following tools:	• Crimping Pliers/Wire Stripper
• Power drill	• Suitable electrical
• Screwdriver	

Operation:

- Press ON button of remote to activate control board. Remote LED will flicker slowly in active status.
- Press Off button of remote to deactivate control board.
- For safety reason, Please allow 2 seconds interval when Press the opposite function [UP (Output 1) and Down (Output 2)] or [Right (Output 3) and Left(Output 4)]

● **Auto Lock function.**
  ■ For safety reason, when user leave the system idle for 2 minutes, remote will be locked automatically.
  User must Press ON button to reactivate remote.

To Press UP and Down (or Right and Left) need at least two seconds interval.

Wireless Remote Control Programming Instruction:

*For repair or maintenance purpose only, Remote Units comes pre-programmed.

- Transmitters are supplied by 23A Alkaline batteries 12V *2pcs
- Programming process:
  ■ Open main control box
  ■ Connect DC Power (DC10V~30V)
    ◆ Press down Programming button on control board.
    LINE LED will flicker RED slowly.
    Control Box will remain in programming status for 20 seconds.
    ◆ Press either UP or Right or Left button on the 1st Remote you want to program. LINE LED will illuminate Green light once as programming successful. After 1st Remote is programmed, Control Box will remain in programming mode for 7 seconds, the 2nd Remote can be programmed during this time. One control board accepts 4 remotes at most.
  ■ Exit programming mode :
    ◆ Release Programming button or
    ◆ Leave it idle for 20 seconds during programming status or
    ◆ Leave it idle for 7 seconds after Remote programmed.

DO NOT USE THIS FUNTION UNLESS UNDER TECHNICIAN'S INSTRCTION

■ **Programmed Codes Reset:**
Press Down button of any programmed remote in programming mode.
Control board will erase its memory record of any programmed remote codes.

DO NOT USE THIS FUNTION UNLESS UNDER TECHNICIAN'S INSTRCTION

Position the receiver with the following precautions:
- In a dry, accessible location.
- As high up in the vessel as possible.
- As far as possible from large metal masses, electrical motors or windlass.
- At least 1m (3ft) away from electrical wiring, navigational and radio equipment.