



SIDE-POWER Thruster Systems

Installation guide

S-link external switch interface

8730B/8730S

v1.1.4



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SIDE-POWER Thruster Systems

Important !

This interface will only work with Side-Power thrusters with a S-link control system.

DO NOT connect any other control equipment to the S-link controlled products except Side-Power original S-link products or via a Side-Power supplied interface product made for interfacing with other controls. Any attempt to directly control or at all connect into the S-link control system without the designated and approved interface, will render all warranties and responsibilities for the complete line of Side-Power products connected void and null.

The 8730 external switch interface allows the use of mechanical foot switches or other normally open switches to control a S-link bow thruster. In addition it allows for connecting the 8980/8985 radio remote control.

The 8730 sends proportional thrust on the S-link bus. This is 70% as default. This value can be changed on an PJC212, PJC211, PJC222 or PJC221 panel. See manual of the panel for more details.

If you have two thrusters bow and stern, then you need two 8730. One 8730B for bow and one 8730S for stern. You can change instance of 8730 B & S with a panel, see manual for panels for how to changing instance of 8730 B & S.

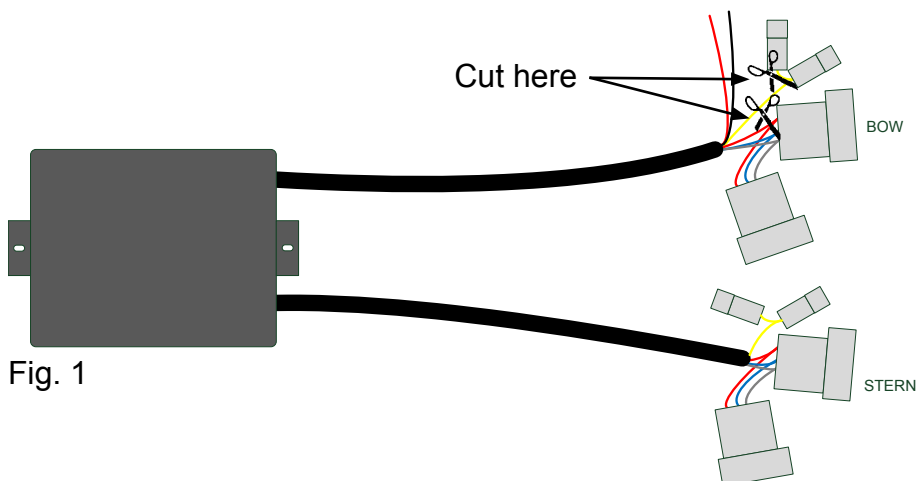


We **Sleipner Motor AS** declare that these control panels complies with health and safety requirements according to the Directive 89/336/EEC of 23 May 1989 amended by 92/31/EEC and 93/68/EEC.

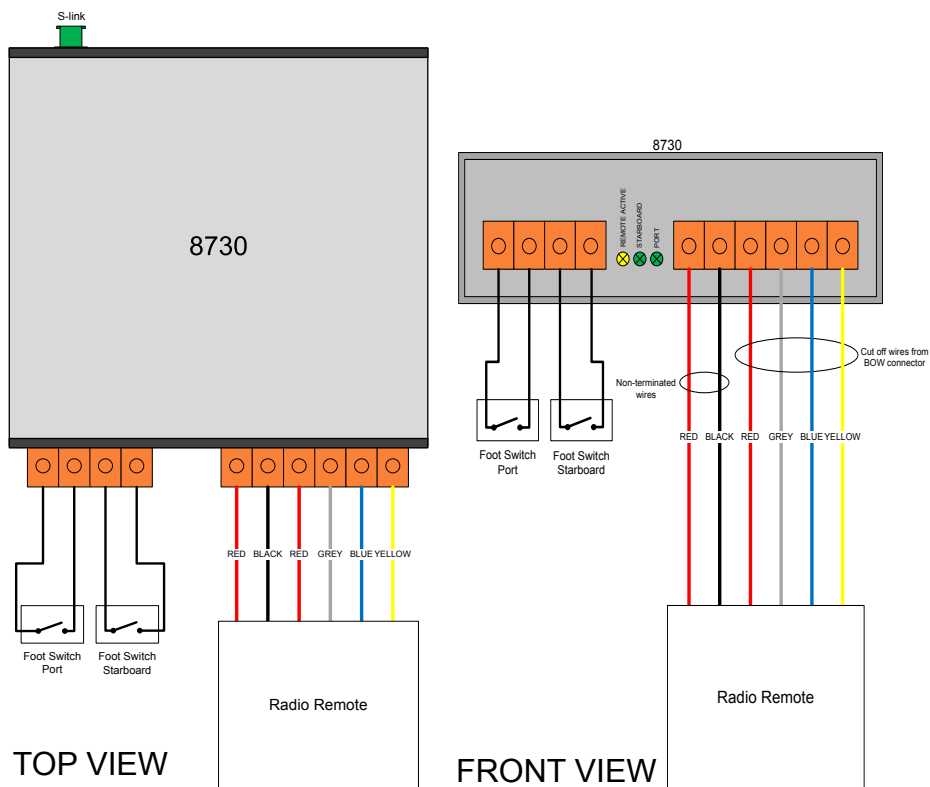
Installation:

1. Connect the (foot)switches according to the wiring diagram(s).
2. To connect the optional radio remote, first cut the wires close to the plastic connector on the “bow” connection lead according to Fig. 1. Strip the wires properly and connect to the 8730 according to the wiring diagram(s). Do the same with the “stern” wires if needed.
3. Mount the 8730 in a place where it will be protected from direct and condensed water ingress. Use cable ties or other suitable means of mounting.
4. Plug the S-link Spur cable into the green connector at the rear of interface box. Twist the locking ring on the connector clockwise to secure connector.

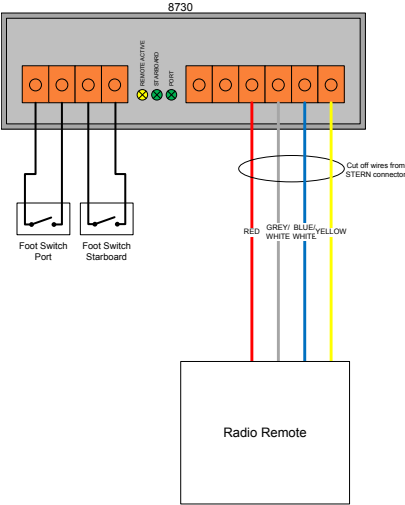




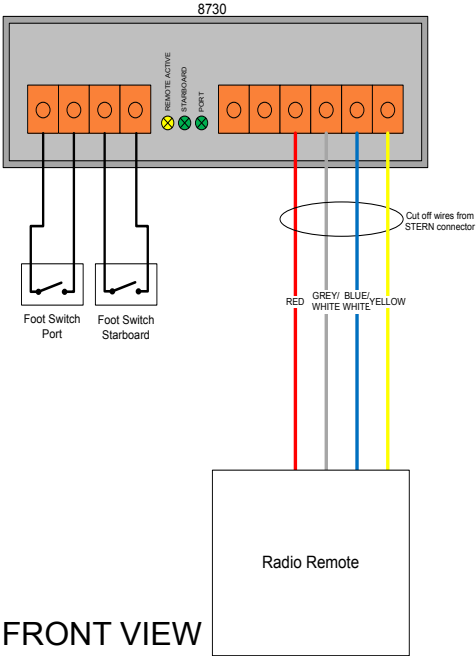
8730B Wiring diagram:



8730S Wiring diagram:



TOP VIEW



FRONT VIEW

Using switch interface 8730 with other control units:

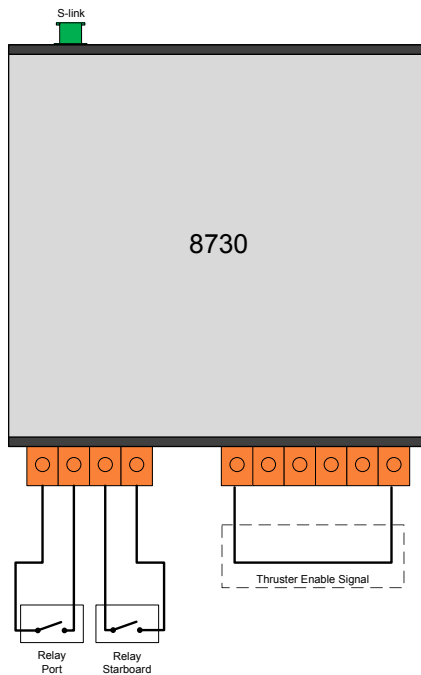
The 8730 needs to be activated for the switch inputs to work. Connect the control signals to the 4 pin connector as shown on wiring diagram below.

Solution 1: Use a control panel to activate 8730 by turning the panel ON.

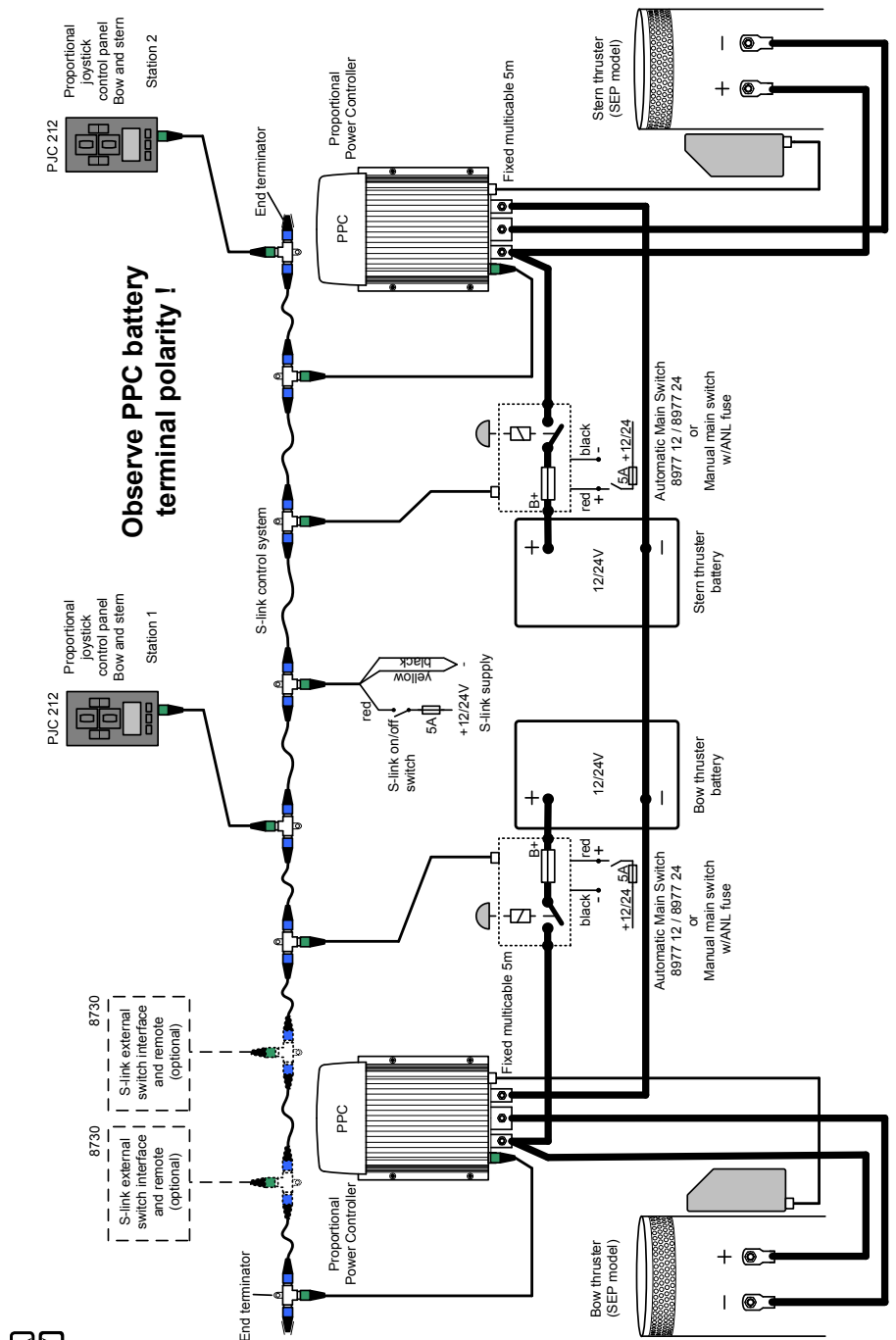
When the last panel are turned OFF by timeout or OFF button the 8730 is deactivated. Preferred solution.

Solution 2: By connecting a wire from pin 1 to pin 6 on the 6 pin connector, the 8730 will be activated and stay activated all the time when there is power on the S-Link (se wiring diagram below).

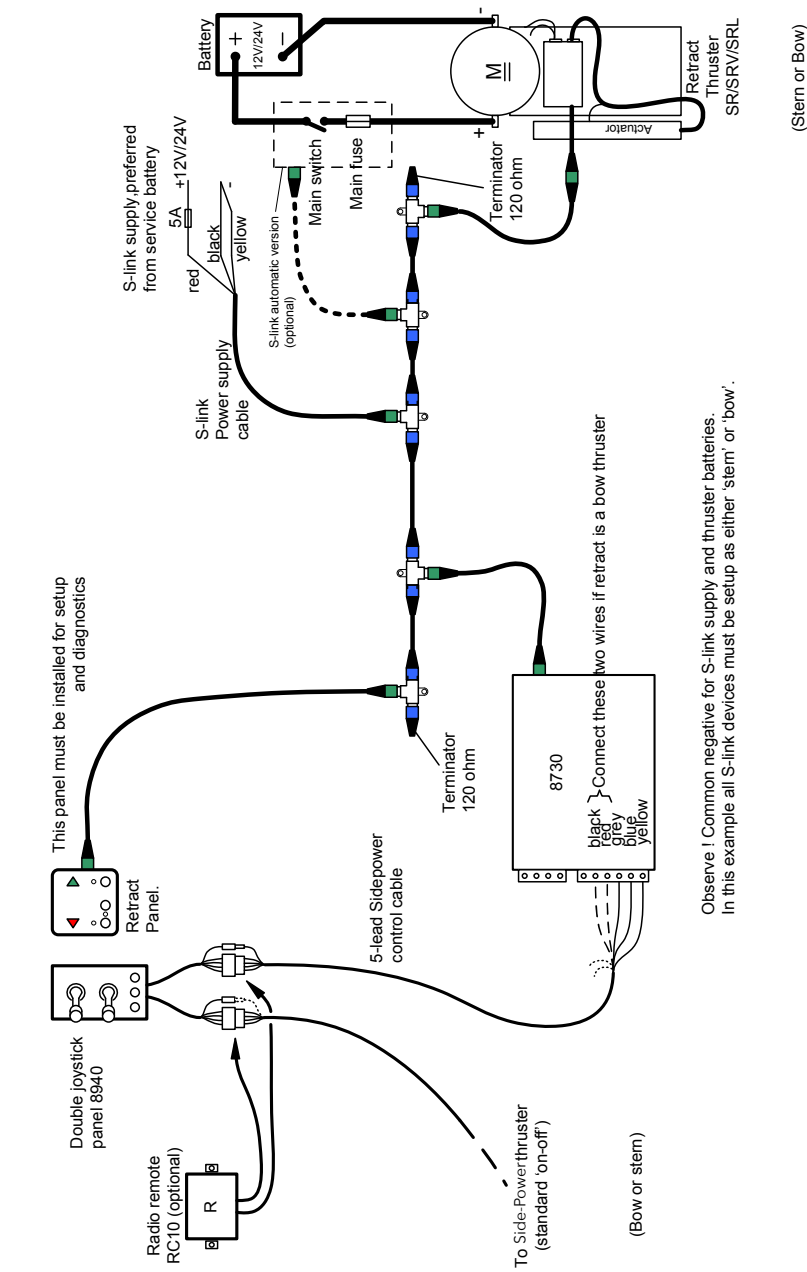
NB! Solution 2 cannot be used with an retract thruster or Automatic Main Switch. This will prevent the retract to go inn and the AMS will not be able to turn off.



Sample S-link system setup:



Wiring example: Side-Power retract thruster and Side-Power ‘on-off’ thruster combined:



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