

Automatic Main Switch



THE NEW IMPROVED MODEL IS NOW SHIPPING

“Safe” and “User friendly” are descriptions which have always been difficult to combine when designing a product. Sleipner are therefore proud to introduce a new Side-Power Automatic Main Switch / Fuse combination which manages to incorporate both improved safety and user friendliness.

For safety reasons electric thrusters must have a fuse and a main switch / circuit breaker in the main power feed circuit. When there is an abnormal current consumption in the circuit the fuse will blow, but situations can arise when the fuse will not blow and it becomes necessary, for the safety of the crew, boat and those around, to shut down the main power to the thruster. The problem is that in most cases the main power switch / circuit breaker is a manual switch located in the bilge, technical room or even the engine room so that you will have to leave the control position to shut it off. Even boats with remote-controlled main breakers might not be easy to shut down either. This because these breakers often support more than just the thruster so that shutting it down will also shut down other systems that you might need to be operational.

Many boatowners may not take the time to read manuals and learn about their boat and equipment as well as they should. So they might not know what to shut off in case of a problem. The main switch is fast and easy to shut off without leaving the steering position simply by pushing the OFF on the control panel, which should be the logical thing to do in a problem situation - even for those not very familiar with the equipment. It is also very common to forget to shut off their main switches when leaving the boat. As the Side-Power control panels have an Auto-Off function, the main switch will automatically shut off also and this problem is gone. With the new **Side-Power Automatic Main Switch / Fuse** product installed the boat's thruster system has ultimate safety and maximum user friendliness.

To comply with regulations the automatic main switch also has a mechanical shut-off feature on the main switch itself. This is a backup in case there is a failure in the switch. The practical usage does not change, as you leave the “mechanical” override in ON position. The override is an emergency failsafe required by all international standards. Another advantage is that it is only one model for each voltage so that it does not matter if it is an SP30S2i or SP125Ti that you are fitting – you only have to order by the thruster voltage, reducing stock levels and simplifying purchases.



ENHANCED SECURITY ONBOARD

The combination of Side-Power control panel auto-off, Side-Power thrusters with Intelligent Power Control and the Side-Power automatic main switch makes an optimal safe and user friendly thruster installation.



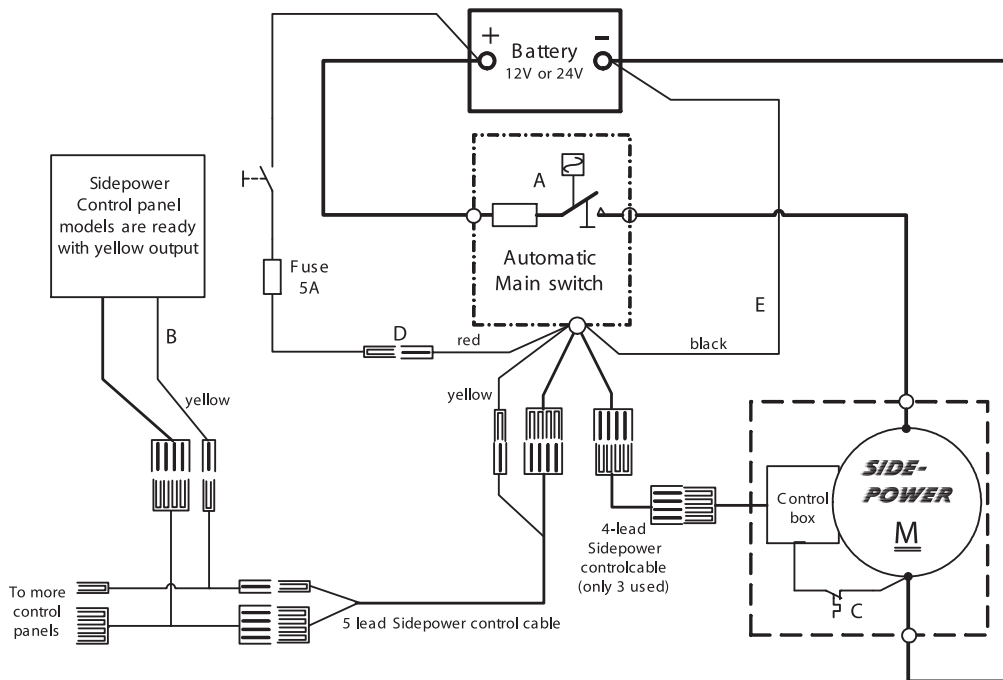
IMPORTANT FEATURES OF NEW VERSION:

- Lower price.
- More compact design.
- New placement of the override button reduce chances for unintentional operation
- New layout of the main terminals makes the installation even easier.
- The main switch is turned ON and OFF with the Sidepower thruster control panel.
- There is no power at the thruster until the Sidepower control panel is activated and it will be shut off automatically with the auto-off function of the control panel in case this is forgotten.
- Automatic shut down also of the main switch in case of an overheat situation on the thruster.
- Easy to install. You only have to fit one item in place of separate main switch and fuse. Cable connections are prepared for double cables if required. Plug and go control cable wiring*
- Sizes: Height= 145mm Width= 205mm Depth= 78mm

* New 5 lead control cables are necessary between control panels and the Automatic Main switch / fuse box.

Wiring diagram on the back of this information.

Product Specifications: Automatic Main Switch



Wiring diagram explanation:

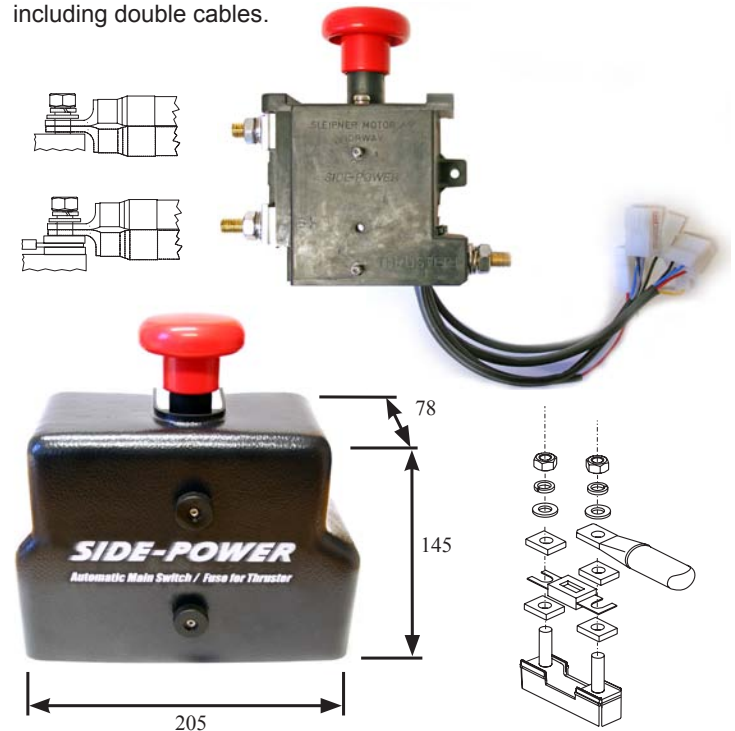
- A Main switch with fuse, 12 or 24V version. Fuse. Select size depending on thruster.
- B The thruster panel(s) ON/OFF system with timer auto-off and safe dual ON button activation controls the Automatic main power switch
- C The thermal switch built into the thruster motor which supply all the negative/ground to the panel so that in an overheat situation also the automatic main power switch will be shut off.
- D To prevent the possibility of the thruster being activated by an outside mounted thruster panel when nobody is onboard, the positive control power must be supplied over one of the boats main battery switches or alternatively the ignition switch if you wish to prevent usage of the thruster unless the main engine is running. This power feed must be fused..
- E The mainswitch must have a negative power feed for its solenoid.

Ordering:

| Part# | Description |
|--------|--|
| 897612 | 12V Automatic main switch for all SP thrusters - no fuse included |
| 897624 | 24V Automatic main switch for all SP thrusters - no fuse included |

Easy installation

The large and sturdy posts on the automatic mainswitch provides an easy and safe installation and connection of all cables sizes including double cables.



*This document may contain typographical errors, to which Sleipner Motor assumes no responsibility.
Sleipner Motor reserves the right to make product changes without prior notice.*



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