

# SEATEC

Switch Panel	Description	Item no.
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SKV - 15 PSS	combination of power distribution panel and navigation lights monitoring for sailing yachts	10538
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SKV - 16 PSM	combination of power distribution panel and navigation lights monitoring for motor yachts	10539
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SKV - 2 PSM	Panel for navigation lights monitoring for motor yachts	10541
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SKV - 1 PSS	Panel for navigation lights monitoring for sailing yachts	10540
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## Installation and Setup Guide for SEATEC Panels

### Functions

#### Panel SKV -1 and PSS -15 PSS

The navigation lights for sailing yachts are controlled with a 3 positions rotary switch and a main on / off switch with integrated circuit breaker. With the On / Off switch, the navigation lights are switched centrally and depending on the position of the 3 positions switch, the related lights are turned on such as:

- Anchor light
- Yacht under sail
- Yacht under motor

The current operation is displayed via LEDs. A defect in the lamp, a cable break, etc... is indicated by a flashing LED light. If a buzzer is connected, you will also hear an audible alarm. The monitoring of the connected lights and devices remains active in stand-by mode when turned off (the control panel must be connected to the board power and the main switch turned "on"). In standby mode, the monitoring system's consumption is about 50 - 60 mA.

### Installation

The following connection options are supported installation on a vessel:

Vessel under sail = 3-colour masthead light  
= 2-colour light on the bow and a stern light  
= respective port and starboard bow and stern lights

Anchor Light = All-round white signal light (at anchor or at pier)

Motor driven vessel = 2-colour bow light, a stern light and a masthead light

= respective port and starboard bow and stern lights and a masthead light.

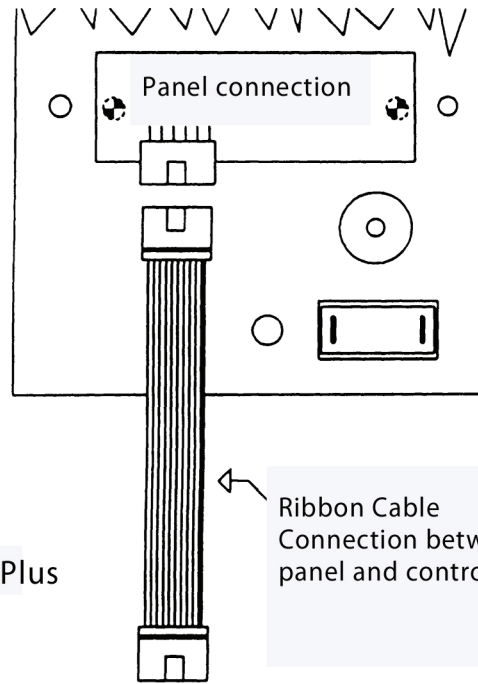
The existing lights have to be connected to the terminal block of the navigation lights accordingly to the wiring diagram. Before connecting to the respective connections you must be absolutely sure that the lights and cabling are functional. It is highly recommended to connect the cables of your lights prior to the board power (12/24V) and make sure it is properly grounded. If you have installed separate port and starboard lights, the connection are done separately on dedicated terminals on the control box. When using a bi-colour light, it must be connected to the port light terminal.

Now that you have all available lights on the relevant connections, put the strap in place - FZ. You can now turn the main power switch off.

Turning the power switch back on, the microprocessor recognizes which lights are in the system, reads these values and stores them as basic configuration. After completion of this process the audible alarm sounds a beep for a few times and the lights are turned on for a few seconds. Once this procedure has been done, turn the control box off and remove the strap from -FZ terminal. In the case of further modification of the navigation lights installation, this procedure must be repeated for the system to be set up accordingly. In the event of an overvoltage (i.e. thunder in the near neighbourhood) this may lead to data loss, and the procedure must be repeated. Your navigation lights control system is now ready for operation. A flashing LED on the on/off button will acknowledge the standby mode.

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Connection diagram for:	
SKV 1PSS SKV15PSS	
SKV 2PSM SKV16PSM	The DF clip is unassigned for these panels

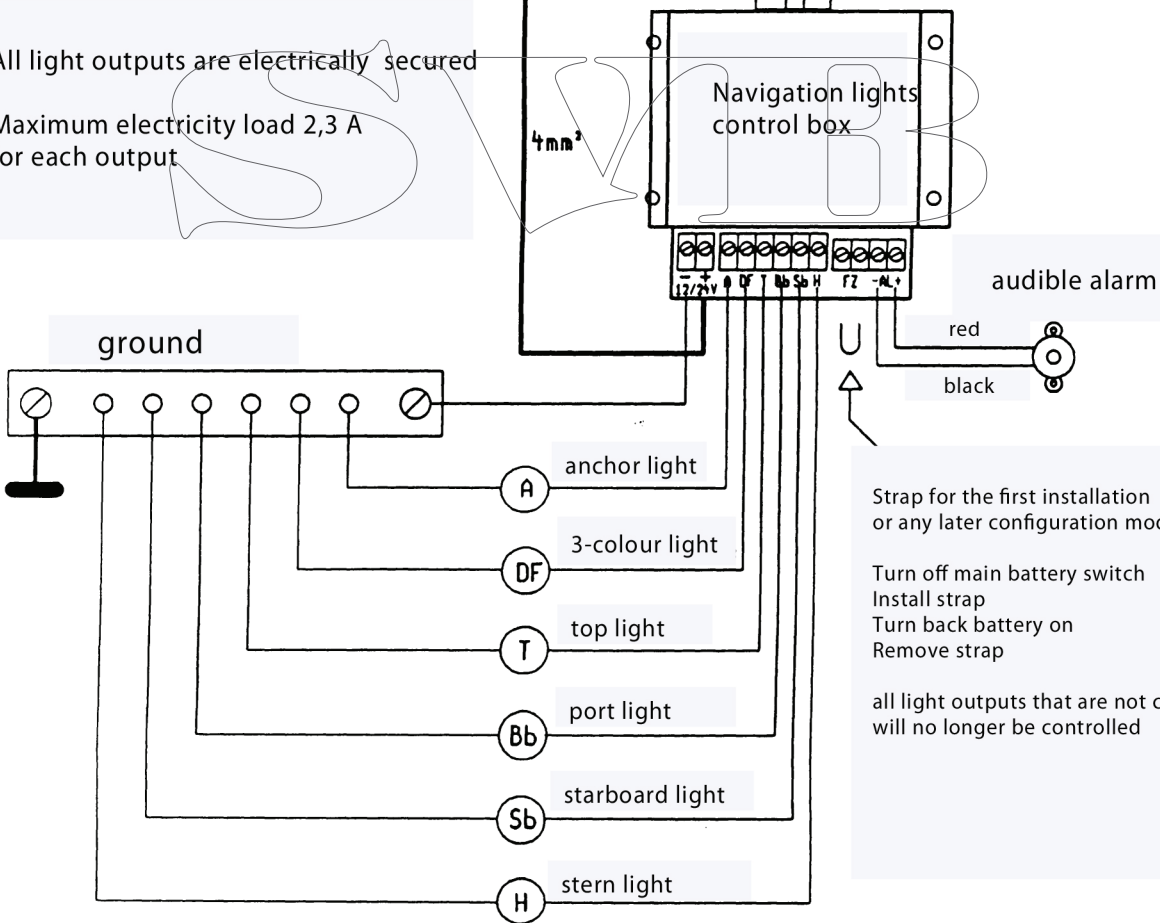


Ribbon Cable Connection between panel and control box

12/24V  
Power supply / Plus



All light outputs are electrically secured  
Maximum electricity load 2,3 A for each output



Strap for the first installation or any later configuration modification

Turn off main battery switch  
Install strap  
Turn back battery on  
Remove strap

all light outputs that are not connected will no longer be controlled