










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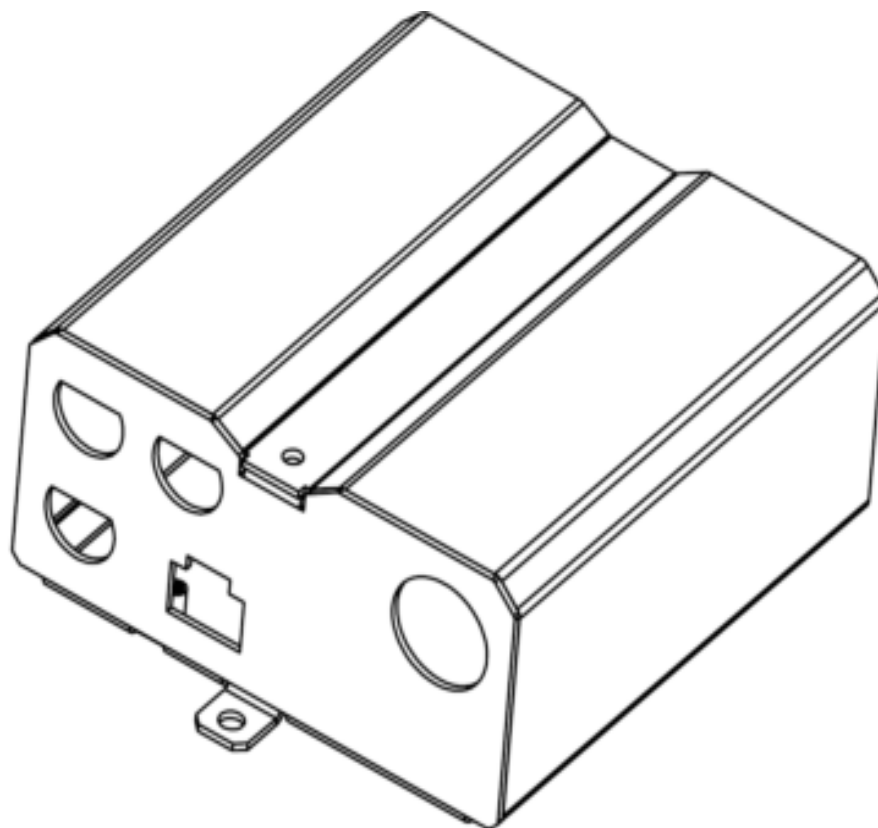
Safety Instructions

This manual has information on product safety and instructions to reduce risk of accidents and injuries.

	This unit(hereinafter also referred as "unit" and "device") is designed and intended for recreational use.
	We recommend having a Wallas-Marin professional install our products to avoid improper installation that can cause injury or property damage.
	Installation instructions in this manual and country-specific requirements must be followed.
	It is the responsibility of the owner and the installer to determine which requirements and standards apply to specific installations.
	Wallas-Marin offers a 2+1 year/2000 hour warranty. The warranty is not valid if the unit has not been installed according to the manual or the country-specific regulations have not been followed.
	Do not repair, replace or remove any part of the unit unless specifically recommended in the manual. All other servicing should be done by an authorized Wallas-Marin Distributor or Service Center.
	This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities (that could affect a safe handling of the product), or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for the safety.
	Wallas-Marin reserves the right to change or improve its products, and to modify appearances and specifications without notice.
	Do not exceed the current limits on the Switchmaster on/of-switches.
	Use 12V DC only. Other power will harm the device and can cause fire.

Supplies and technical data

SwitchMaster 8000



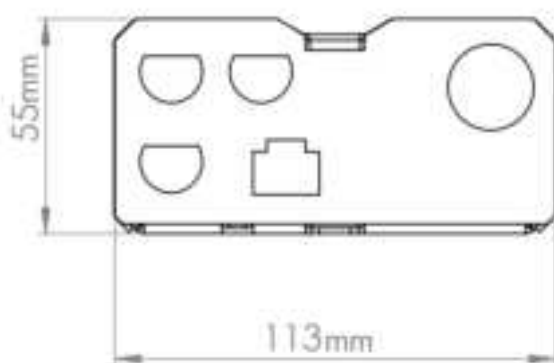
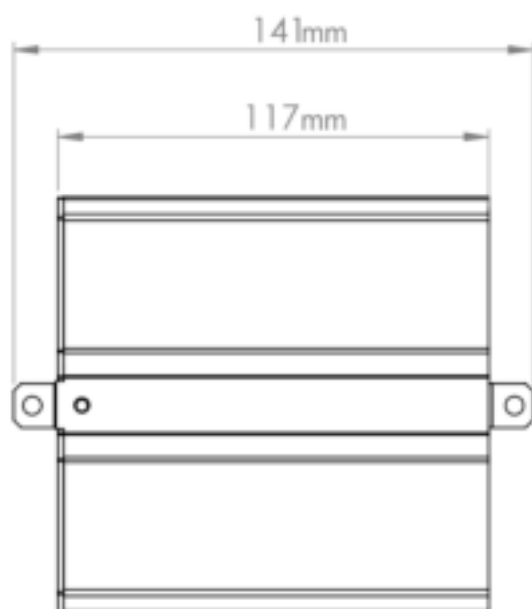
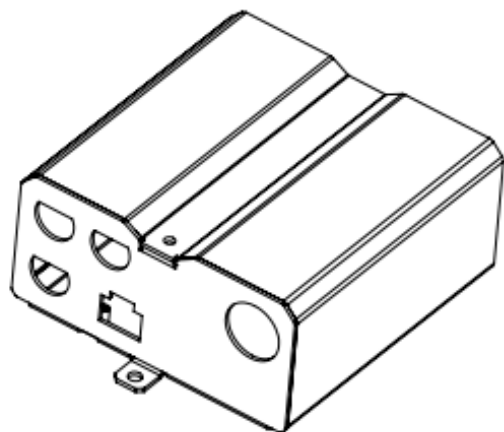
Package contents

1 pcs	SwitchMaster
3 pcs	Temperature sensor
1 pcs	Power cable
1 pcs	Accessory bag
1 pcs	RJ45 cable
1 pcs	RJ45 3-way splitter
1 pcs	3 meter RJ12 data cable

List of supplies and accessories

362608 Thermo element 6m 362609 Thermo element 10m 7502 Servo controlled 2-way valve 7503 Servo controlled 3-way valve 2473 Servo controlled 3-way Y-divider 60mm 3473 Servo controlled 3-way Y-divider 75mm	7400 3,6 kW Matrix heater 7300 1,8 kW Matrix heater
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Dimensions



Operation description

The SwitchMaster is an extension to a Wallas heating system. The Switchmaster allows one to control up to 6 electronic devices through Wallas Remote- mobile application; 4 on/off devices and 2 slider-controlled devices. These devices can be lights, fridge etc.

The Switchmaster can be controlled from the Wallas Remote- mobile application. This means the Switchmaster can be controlled locally from ones phone or from anywhere via internet.

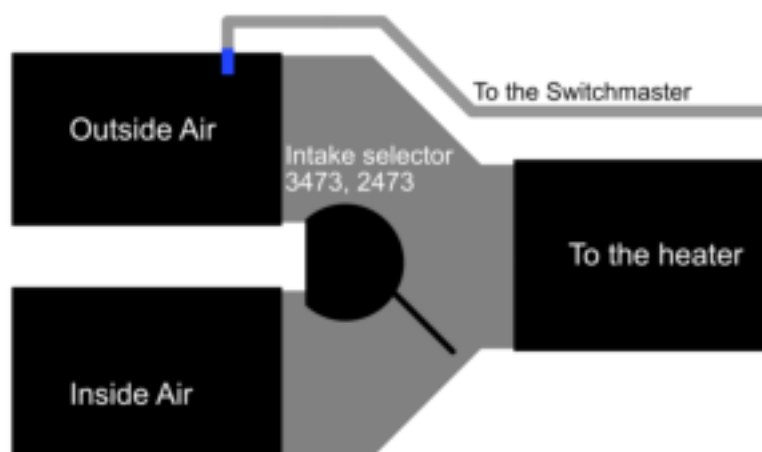
The Switchmaster can be used to extend the abilities of a Wallas heating system.

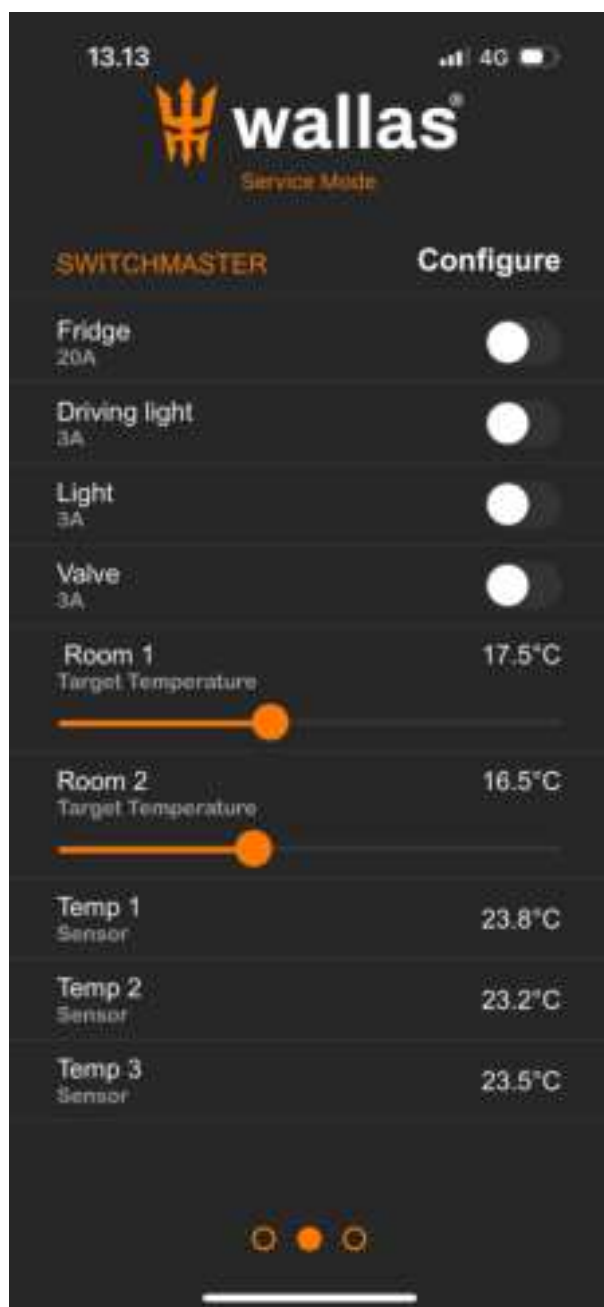
Once the Switchmaster is connected to the system via RJ12/45-cable, the application will automatically open a new tab. In this tab one can find the four on/off-switches and two slider controls. These can be configured from the 'Configure'-button.

- On/Off- buttons names can be changed according to the use, the function can't be changed

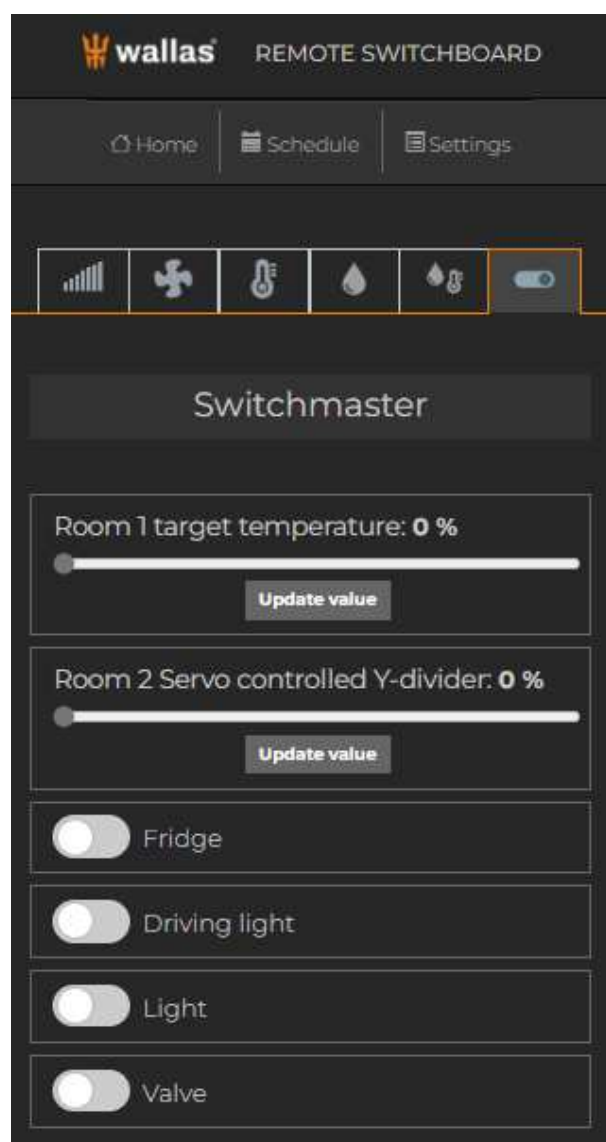
Slider control have options to configure the output to:

- Fan Output
 - Allows the control of fan speed control 0 - 100%
- Servo
 - Allows to turn servo-controlled 3-way air valve (**3473, 2473**) either on the heaters intake or hot air side to direct the airflow to it's desired target. One can manually set the position of the flap, for example to push air to the windshield or to suck fresh air from the outside.
- Target Temperature
 - Used with Wallas Matrix Heaters, (**7300, 7400**) with target temperature. The Matrix heaters' fans will be automatically controlled to reach the set target temperature in a room.
- Thermo Servo
 - Used with servo-controlled 3-way air valve (**3473, 2473**) to divide the warm air flow between two areas. This function will balance the air flow according to individual temperature of then area. For example; One air duct can provide even 20°C to two different size cabins in a boat. As the smaller cabin heats up faster than the bigger one, this function turn the air valve to push more warm air to the bigger cabin. This can be achieved by using the two wired temperature sensors xxxxxx
- Intake Selector
 - Allows to use the servo-controlled 3-way air valve (**3473, 2473**) when it is installed in the intake duct. The intake selector is automated to switch between outside air and inside air depending on the outside air temperature. This temperature can be determined in the application. In this case to have the valve functioning properly, the no. 1 temperature sensor must be installed before the intake selector to the intake duct. This can also be achieved by operating the selector on **Servo**-mode, which allows one to determinate manually the flaps position.



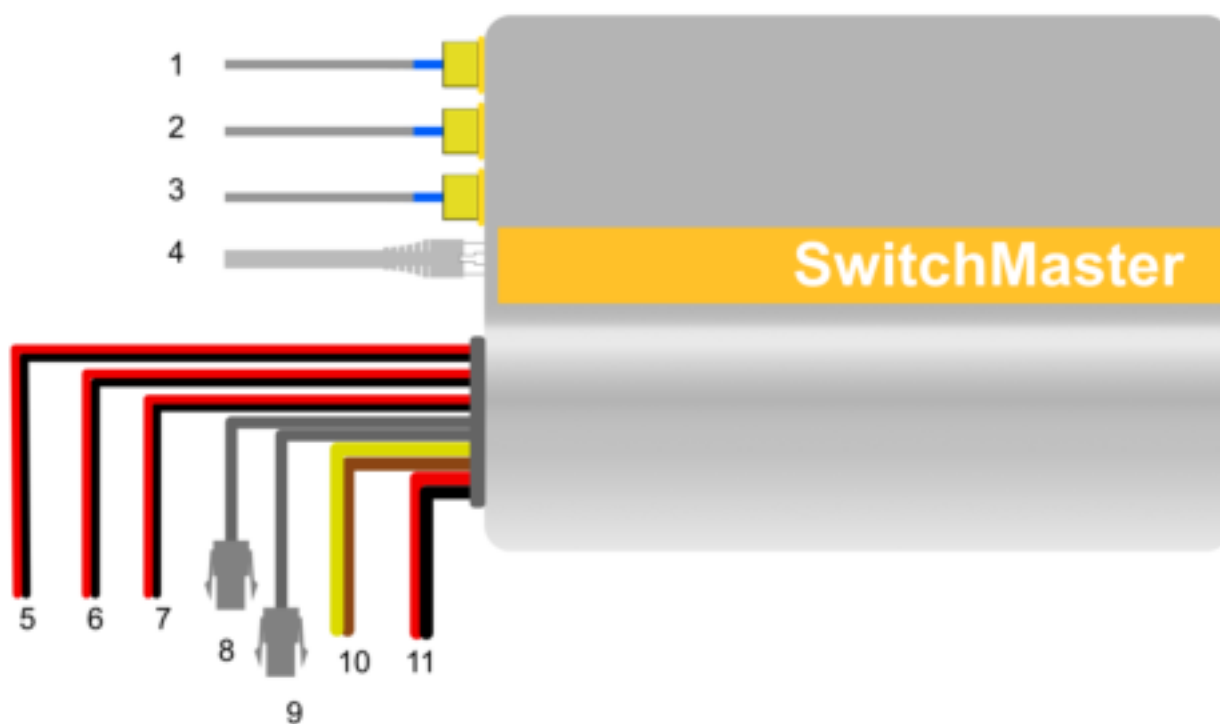


Remote Switch Board - Operation description



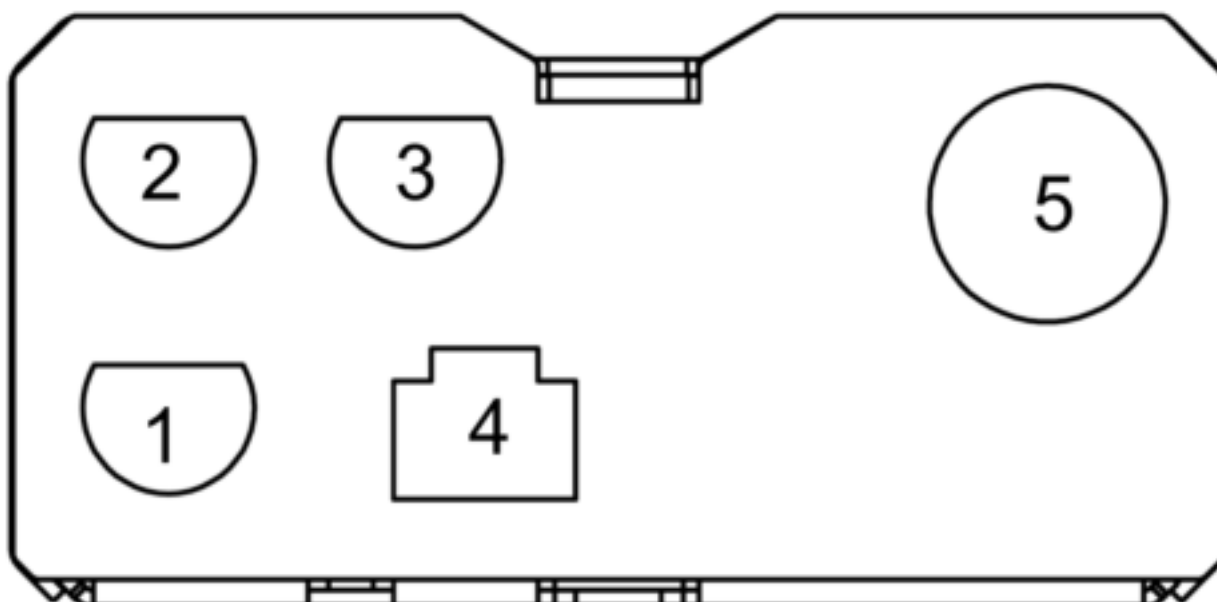
Electrical connections

1-3	Temperature sensors
4	RJ 12/45
5 - 7	2,5A on/off switches
8 - 9	Slider control / matrix heater control
10	12 V in (Brown +, Yellow -)
11	15A on/off switch



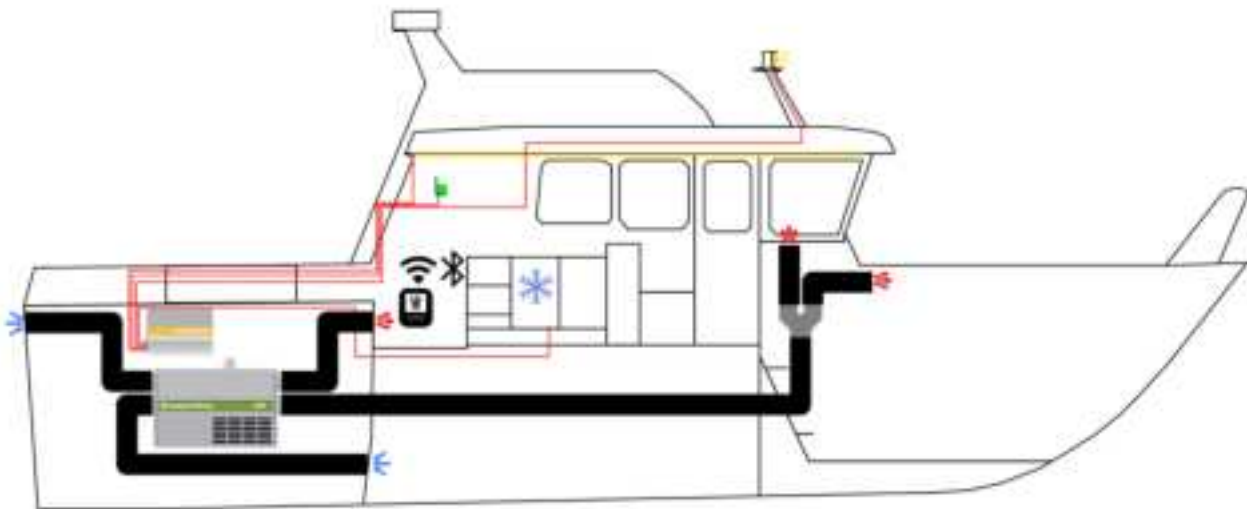
Temperature sensors 2 and 3 are used for room temperature measurement. Number 1 is used for intake selector or outside temperature measuring. Number 1 is not suitable for room thermostat due to different temperature mapping logic.

1	Temperature sensor 1 (Outside/other)
2	Temperature sensor 2 (Room temperature)
3	Temperature sensor 3 (Room temperature)
4	RJ 12/45
5	Wires 5 - 11, consult previous page



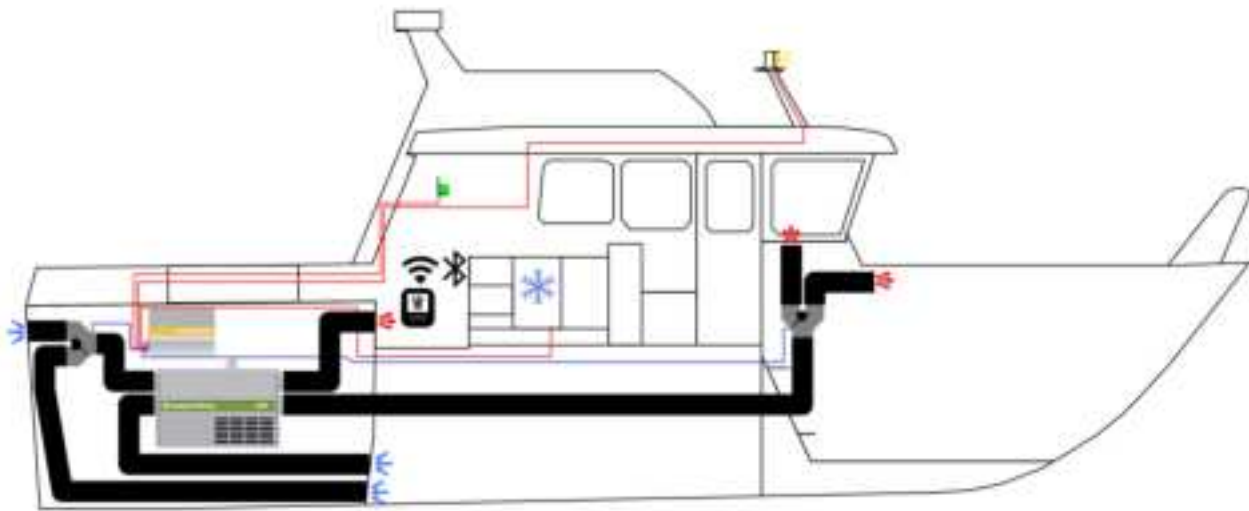
Installation - Extension

In this schematic the Switchmaster is used to control electrical equipment on a boat: running lights, search light, fridge and exterior lights.



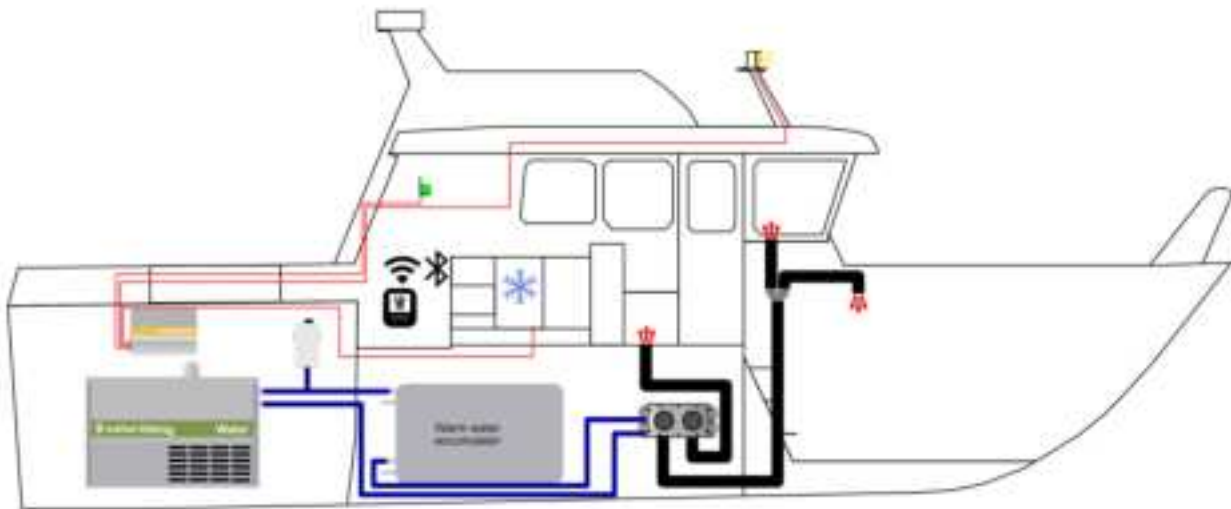
Installation - Air Heating System

With the Air heaters and Switchmaster one can control two Servo controlled Y-valves to direct either the intake air or the flow of hot air. The valves take only two spots on the Switchmaster, leaving four on/off switches free for example fridge, search light and running lights.

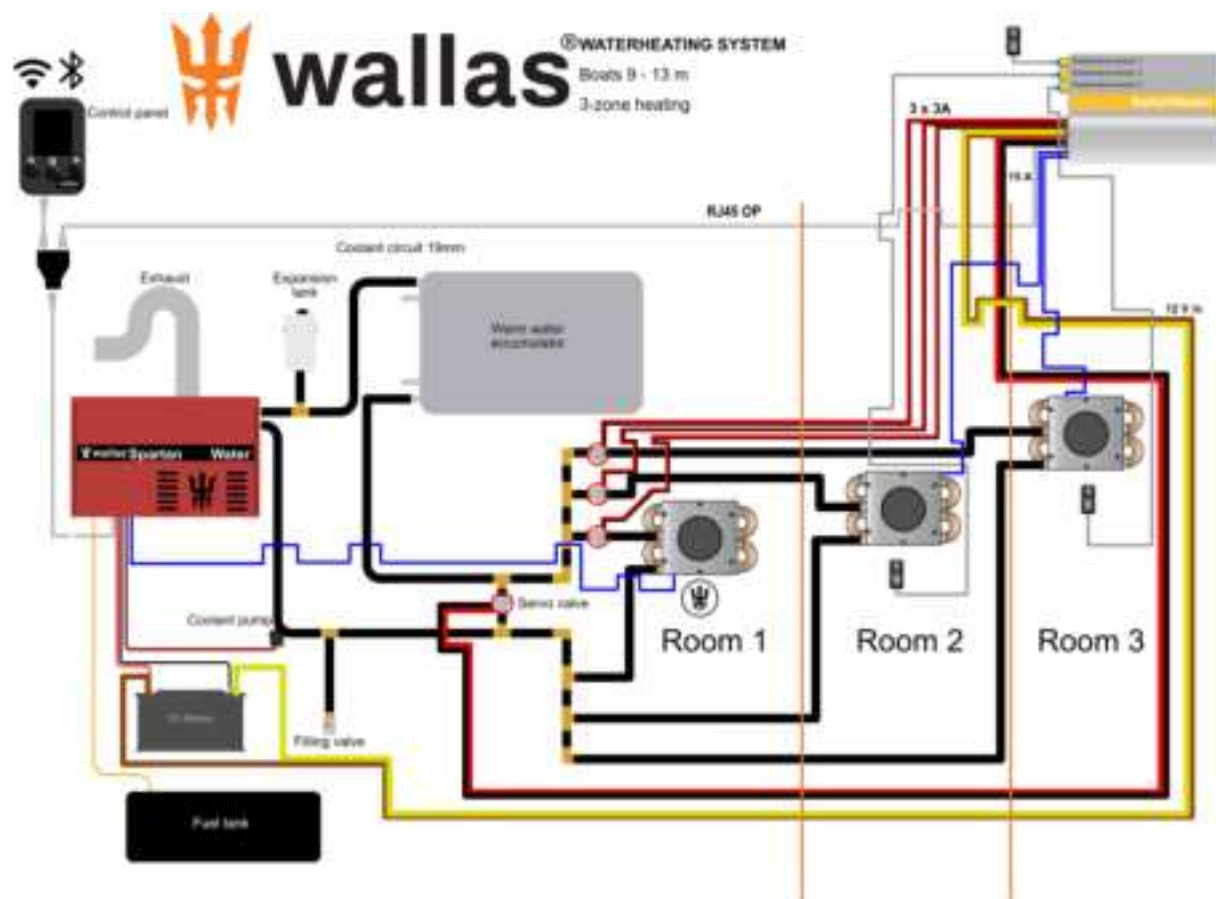


Installation - Water Heating System

With the waterheaters and Switchmaster one can control two Servo controlled Y-valves to direct either the intake air or the flow of hot air. The valves take only two spots on the Switchmaster, leaving four on/off switches free for example fridge, search light and running lights.



This schematic shows the connections in water heating system. With the Switchmaster one can create three separately controlled heating zones. The temperature sensor leading to the Switchmaster control the heat output of Room 2 and Room 3 Matrix heaters. Room 1 is controlled with the heater and the Bluetooth sensor.




Warranty terms

Wallas-Marin Oy (the “Manufacturer”) warrants their heaters, stoves, and ovens (hereinafter referred to as the “Product”), against defects in material and workmanship for two (2) years or 2,000 operating hours in normal use (whichever comes first) effective at the time of sale to the Original End-User under the conditions provided herein.

Wallas-Marin heating systems are designed and intended for recreational use. Use for commercial, live-aboard or unattended use will result in elevated operating hours requiring maintenance and repair not covered by product warranty.

1)	This warranty is made only to the first purchaser/customer (“Original End-User”), who acquires the Wallas-Marin Product for their own use.
2)	This warranty will be in effect for two (2) years or 2,000 operating hours (whichever comes first) from the date of purchase by the Original End-User. A copy of the dated receipt of the sale should be retained as evidence of the date of purchase. The warranty period may be extended by an additional 12 months by registering the Product within three (3) months of the Product being sold to the Original End-User. Registration must be done online at www.wallas.fi/takuu . Despite the extended warranty period, coverage is limited to 2,000 operating hours for all Products. Repairs carried out during the warranty period do not renew or alter the original warranty period.
3)	The intent of this warranty is to protect the Original End-User of the Product from defects and provide repair and replacement of defective parts. Warranty repair service must be administered by an authorized Wallas-Marin distributor or an authorized Wallas-Marin Service Center in accordance with the Wallas-Marin warranty policy.
4)	Notification of the defect must be given in writing immediately to the authorized Wallas-Marin distributor, that sold the product (the “Seller”) by the Original End-User, if possible, but no later than two (2) months after the defect occurred. If the warranty period has expired and no notice was given in writing while the warranty was still valid, the defect will not be covered.
	The notification must include: <ul style="list-style-type: none"> • Description about the issue • Description about the installation, when, where, and by whom it was done (photographs may be included) • Product name, serial number, place and date of purchase
5)	For repairs under warranty, the Original End-User must take or package and ship the product to an authorized Wallas-Marin Distributor or to an authorized Wallas-Marin Service Center. The best location for repairs is determined by the importer after the Original End-User has notified the Seller about the issue. Once the Wallas-Marin Distributor/Service Center has examined the returned Product and if it is found that it was defective in material and/or workmanship, the Distributor/Service Center shall repair the product. If the distributor/Service Center determines that repairs must be made, only authorized Wallas-Marin parts will be used.
6)	This is a Return to Base Warranty, which does not cover costs accumulated from the removal and re-installation of the Product, or transportation costs if the Product has been shipped for repairs, or any damage occurred in transit.
7)	This warranty does not cover consumable or wear parts, which include glow coil/plug, bottom mat or wick, fuel filter, seals.
8)	This warranty does not limit the rights specified in the consumer protection legislation.

9)	<p>This warranty does not cover indirect damages arising from a defective Product, property damage, loss of revenue, injury or loss of life as a result of system failure, or conditions unrelated to the material and workmanship of the Wallas-Marin Product.</p> <p>Such unrelated conditions include, but are not limited to:</p> <ul style="list-style-type: none"> a) The Product has not been installed according to the Wallas-Marin Product User Manual or the country-specific regulations have not been followed. b) Damage or failure caused by installation of accessories or components not manufactured or approved by Wallas-Marin and/or modification of the Product structure without the consent of the Manufacturer. c) Failure to follow the operation or maintenance instructions in the Product User Manual. d) Damage caused by inappropriate storage or transport. e) Fault resulted by an accident or damage of which Wallas-Marin had no control over (force majeure). f) Damage or failure caused by improper handling, use of unsuitable fuel, low voltage, excess voltage, dirt, water penetrating the Product, galvanic corrosion, electro chemical corrosion or damages due to stray current. g) The Product has been dismantled or opened without the explicit permission of the Manufacturer/Importer. h) Non-Wallas components or spare parts have been used in the repair of the Product. i) Repair was done by an unauthorised service provider. j) Installation error when possible leaking water or leaking coolant can enter the boat/vehicle/RV/building structures.
10)	<p>Wallas-Marin is not responsible for any damages to a boat/vehicle/RV/building or property due to Wallas unit is/is not working properly whatsoever.</p>
11)	<p>Wallas-Marin reserves the right to change the design of any Wallas-Marin Product without notice and with no obligation to make corresponding changes in Wallas-Marin products previously manufactured.</p>

	<p>When making a warranty claim, the Original End-User must provide proof that the maintenance and safety instructions have been thoroughly followed. This warranty does not apply to defects which have risen due to carelessness in following installation, operation, and maintenance instructions.</p>
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Disclaimers

<p>The manufacturer is not liable for damage caused by improper use or incorrect operation or installation. Failure to comply with the installation, operation and service instructions makes the warranty null and void and this leads to the exclusion of any liability of Wallas-Marin Oy.</p>
<p>The manufacturer does not cover any indirect damages arising from a Product, property damage, loss of revenue, injury or loss of life, or conditions unrelated to the material and workmanship of the Wallas-Marin Product. Such conditions include, but are not limited to: colder-than-expected weather or instances where the Product fails to maintain the temperature, leading to frozen water pipes and subsequent leaks, ruining the property of the user.</p>