



Heat Junction 5

INSTALLATION AND OPERATION MANUAL

DESCRIPTION

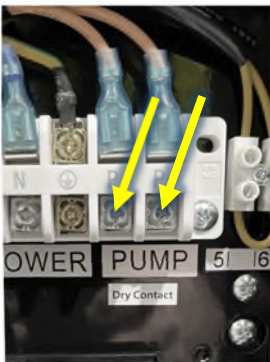
The Oasis Heat Junction 5 is a controller designed to operate a filter pump whenever water flow is requested by either the sanitiser or the heat pump. It is powered via its own dedicated cable, which plugs into a general-purpose outlet. The controller receives activation signals from the sanitiser through a secondary power cable that connects to the original filter pump socket, and from the heat pump via a two-core cable wired to the Heat Junction (HJ) terminals located inside the heat pump. For added convenience during maintenance tasks such as filter backwashing, the controller also includes a manual pump override function.

INSTALLATION INSTRUCTIONS



THIS APPLIANCE IS NOT INTENDED FOR USE BY YOUNG CHILDREN OR INFIRM PERSONS WITHOUT SUPERVISION. PLEASE ENSURE THAT YOUNG CHILDREN ARE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.

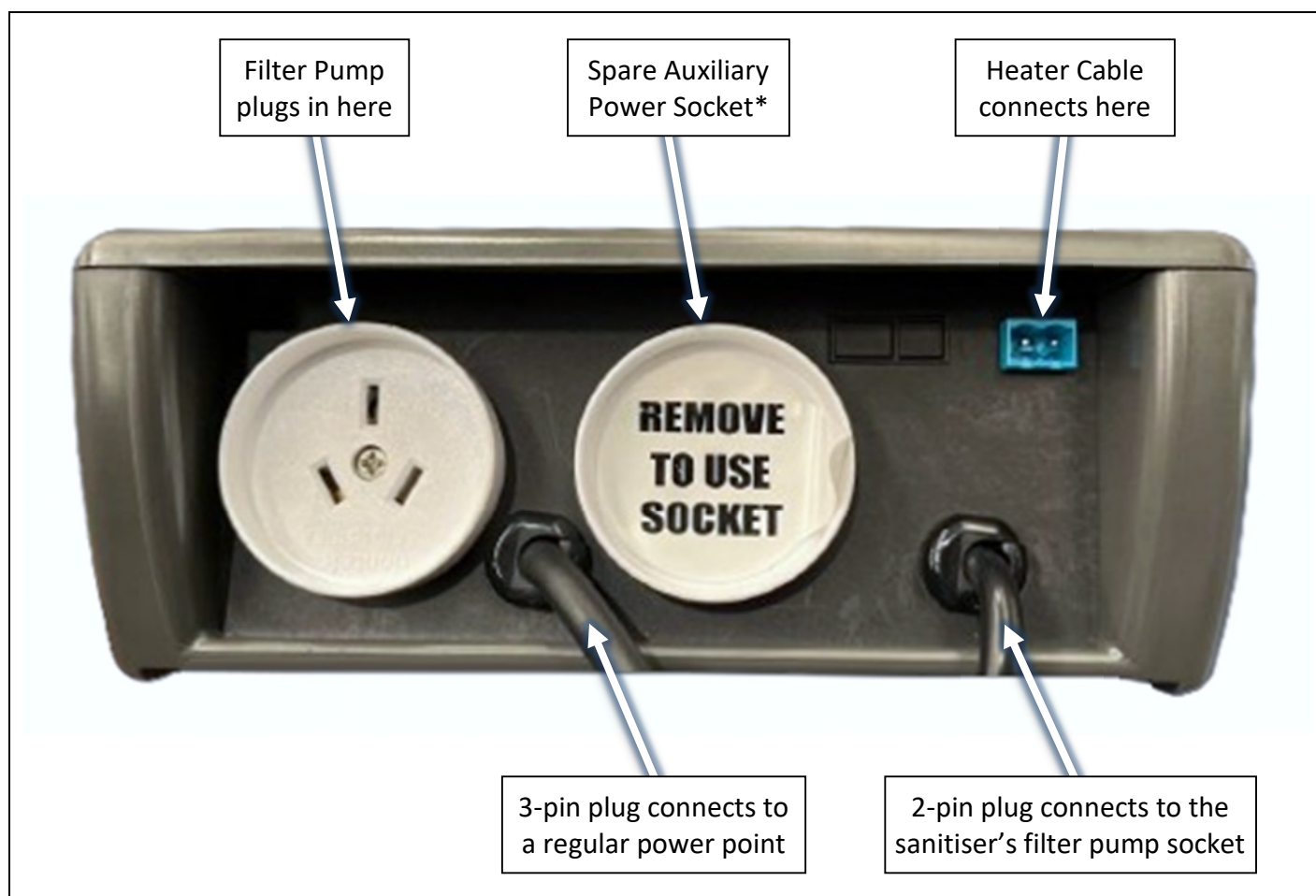
Ideally - as with all pool equipment - the controller should be installed out of direct weather.

CONTROLLER MOUNTING	Find a suitable location to mount the control box. The controller should be no closer than 3 metres from the water's edge and a minimum 600mm above ground. The power cable is 1.8m long and should be plugged directly into a general power outlet, not into an extension lead. Fix the mounting bracket to a solid structure with the screw and wall plug kit provided. Slide the controller on, locking it into place. Adjust the screws on the back of unit to ensure a snug fit. To remove unit, lift and gently pull away from structure.
PUMP CONNECTION	The filter pump plugs into the 240V socket in the Heat Junction 5 controller, labelled 'PUMP'. The maximum load of the controller is 9.98 AMPS at 2395W.
SANITISER CONNECTION	The sanitiser unit (such as a chlorinator or ioniser) must be connected directly to a general-purpose power outlet - not via an extension lead. To enable control of the filter pump, plug the black 'SANITISER' 2-pin power lead from the Oasis Heat Junction 5 controller into the filter pump socket on the sanitiser. This setup ensures the sanitiser retains full control over its required filtration and dosing cycles.
HEATER CONNECTION	Connect the two-core cable from the Heat Junction 3 control socket to the heater's voltage-free pump output connection point (inside the heater). The heat junction connection point is typically labelled with 'HJ' or 'dry contact' but please refer to the heater installation manual for the correct connection point as there are some differences across the Oasis heat pump model range. <i>The Heat Junction 3 heater connection is compatible with voltage-free switching only and damage caused by incorrect connections to other outputs will void warranties.</i>
HEATER CONNECTION EXAMPLES	<i>Illustration of common Oasis heat pump voltage-free / dry contact connections:</i> <i>Tip: Connection point will be labelled with 'Dry Contact' or 'HJ Box'</i>  

OPERATING INSTRUCTIONS

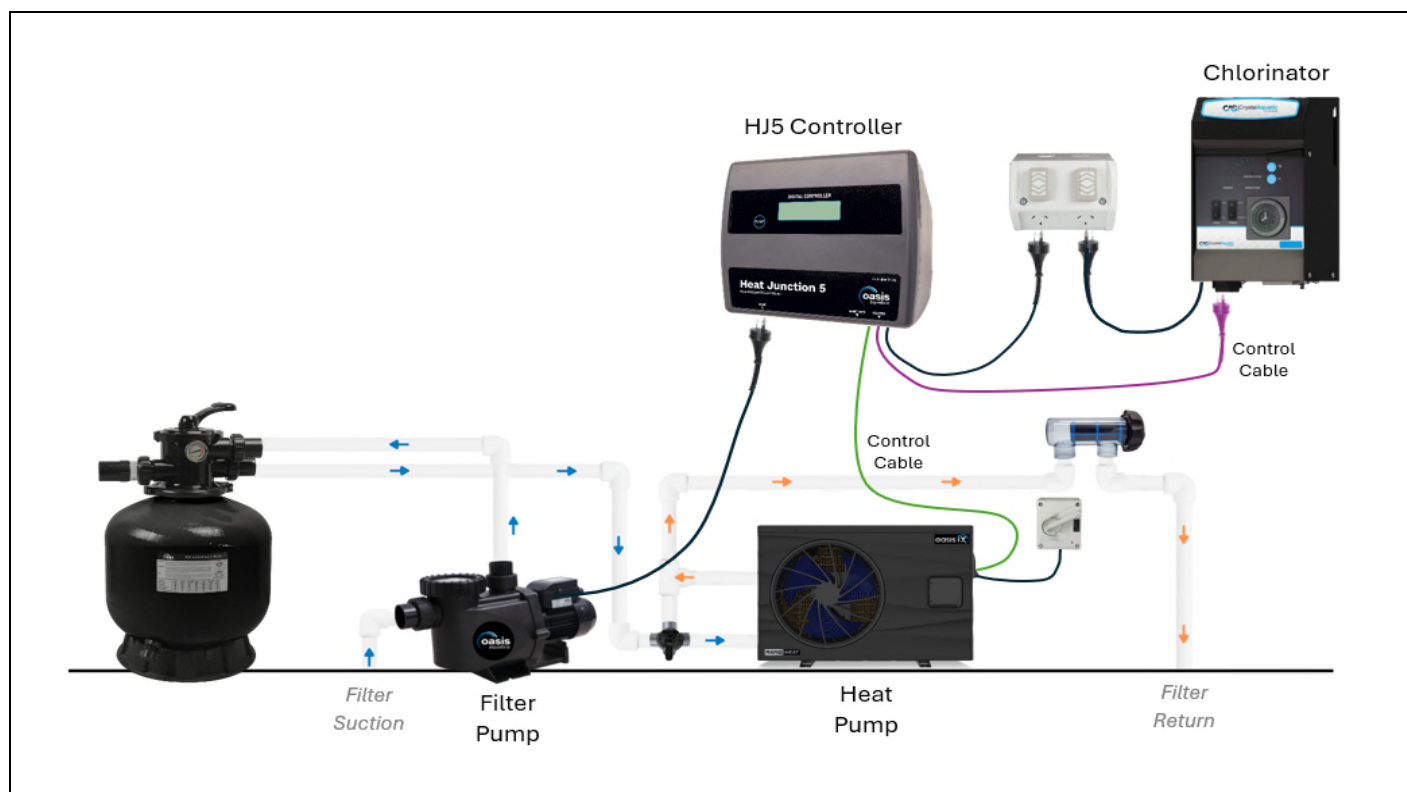
LCD SCREEN	The LCD screen displays the current operating mode and the pump status. When water flow is requested by the heat pump, the controller will show 'Heat On'. When the request comes from the sanitiser, it will display 'CNTRL ON'. A scrolling message will also indicate the pump status - either 'Pump On' or 'Pump Off' - accordingly, along with the pump mode – Auto, Manual or OFF.
PUMP MODE	The pump mode button allows you to select from three modes of operation: • Auto is the normal operating mode for automatic filter pump operation. • Manual will manually switch the pump ON for filter backwashing or other maintenance activities. • OFF will manually switch the pump OFF. <i>Tip: ensure to return the controller to Auto mode after completing any maintenance activities.</i>
NOTES:	1. Should power be interrupted for any reason, the controller will resume operation when power is restored. 2. The MAX combined rated output load for the 240V socket(s) is 9.98 Amps / 2395W. 3. Degree of protection against moisture: IP33. 4. Store all pool chemicals safely, at least 3 metres away from all pool equipment.

BASE DIAGRAM



* Total load across both sockets must not exceed 9.98 Amps / 2395 Watts

PLUMBING CONFIGURATION



TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE
There is no power to the display	Controller power lead is unplugged, plugged into wrong appliance, or the power point is faulty. Ensure that the <u>three-pin</u> lead is plugged into a regular power point (the <u>two-pin</u> lead plugs into the sanitiser). Test power point with a known working appliance. If the power point is operational, check the controller in another power point and if there is still no display, then send controller for repair.
Filter pump will not switch ON	Press the pump button and ensure that the controller is in AUTO mode and not OFF. Ensure that the <u>two-pin</u> lead is plugged into the sanitiser's 'filter pump' socket, and that the heat pump connector is securely plugged into the bottom of the controller. Check to make sure that the pump is plugged into the PUMP (left side) socket. Unplug the water pump and test the appliance in a known working power point. If pump still won't start, then the issue is within the pump itself.
Water pump will not switch OFF	Turn off power to the controller and ensure that the pump stops. If the pump continues to operate, the pump is not plugged in correctly. Connect it back to the PUMP (left) socket at the bottom of the controller. If the pump is plugged into the controller and won't stop, check to ensure that it is plugged into the PUMP socket and not the spare auxiliary (always on) outlet. Check to see what is displayed on the controller screen as the controller may be running for heating purposes. If the controller indicates that the pump is 'OFF' but it keeps running, send controller for repair.
Pool is not heating	Check the heat pump settings to ensure that the temperature, clock and timer settings are correct. Check and ensure that the two-core cable is connected properly to both the controller and heater.

WARRANTY

AUSTRALIAN CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This range of product is covered by a limited three-year back to base warranty against component failure or faulty workmanship from the date of installation.

Defective equipment must be returned to the manufacturer or dealer as soon as the purchaser becomes aware of the defect and all transport must be prepaid.

Damage to the unit due to misuse, power surges, corrosion from pool chemical fumes, lightning strikes, insect infestation and or installation that is not in accordance with the manufacturer's instruction may void the warranty.

The warranty does not include on-site labour or travel costs to or from the installation site.



IF THE POWER CORD IS DAMAGED, IMMEDIATELY SWITCH OFF AND DISCONNECT THE CONTROLLER. RETURN THE UNIT TO THE MANUFACTURER FOR ASSESSMENT AND REPAIR.

For all technical assistance and warranty enquiries, please contact your local distributor or contact Oasis Aquatics directly:

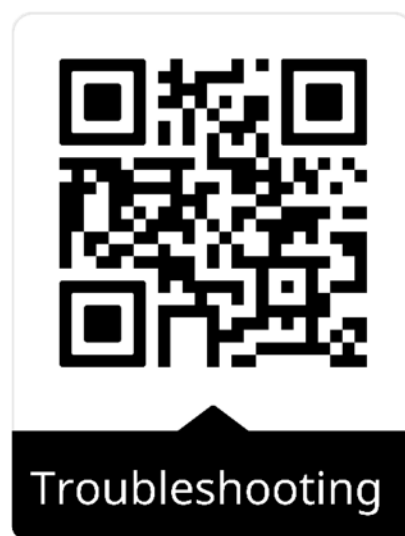
OASIS AQUATICS

Phone: 1800 815 913

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More troubleshooting resources are available online at Sunlover Heating



NOTES

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