



HEAT JUNCTION 5 HJ

Instruction Manual

Sunlover Heat Junction controller suitable for Integrated pump systems in combination with Sunlover Heating Oasis heat pumps



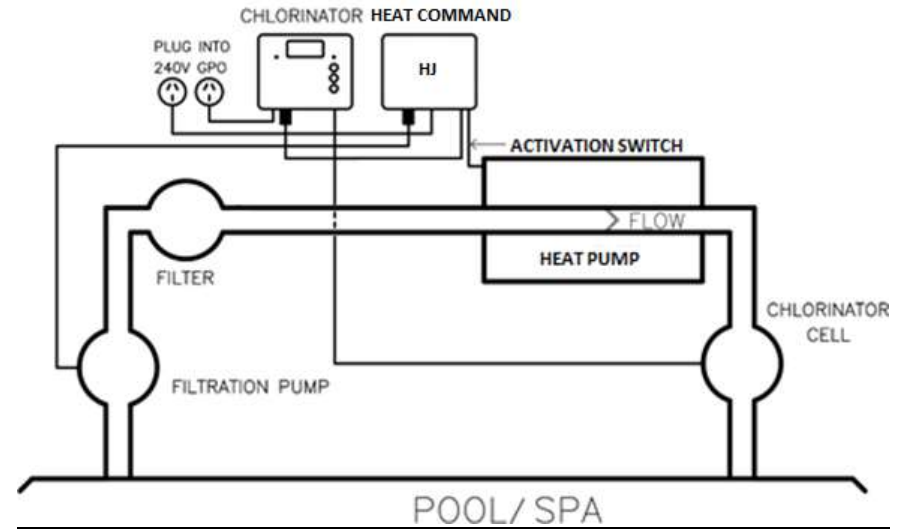
OPERATION

The Sunlover Heat Junction controller is designed to switch a 240Vac pump rated to 10 Amps 2400 watts from the Switch Inputs. This unit is designed to be connected to a Chlorinator and the outputs from Sunlover Heating Oasis heat pumps. Heat Junction is fitted with an LCD screen which displays whether the pump is on and whether the chlorinator or heat pump is demanding the pump to be operating.

Heat Demand

A heating device, whatever it is, is designed to heat the water of the pool only when the water circulates. Most of the time, a pool is filtered between 6 and 8 hours a day. But such a time can't be sufficient sometimes to maintain the water at the desired temperature, depending on the seasons. This is the reason why the Sunlover heat pump is equipped with the "sample" function that will manage the temperature of the pool. Every hour (times vary depending on model) the filtration pump is started up for 5 minutes. If after 5 minutes, the temperature of the water is over the required temperature, the filtration shuts off for one more hour. Otherwise, the filtration and the heat pump are going to keep on operating until the desired temperature is reached. By this mean, the user is sure the water is always ready for bathe, at day or at night.

INSTALLATION



Controller Mounting

Find a suitable location to mount the control box. Ideally, as with all pool equipment, it should be installed out of direct weather and no closer than 3 metres from the water's edge and a minimum 600mm above ground. Fix the mounting bracket to a solid structure and slide the controller on, keeping in mind that the power cable is 1.8m long and should be plugged directly into a general power outlet, not into an extension lead.

Pump

The filtration pump plugs into the 240V outlet beneath the Heat Junction controller (marked OUTPUT on the controller face plate).

WARRANTY

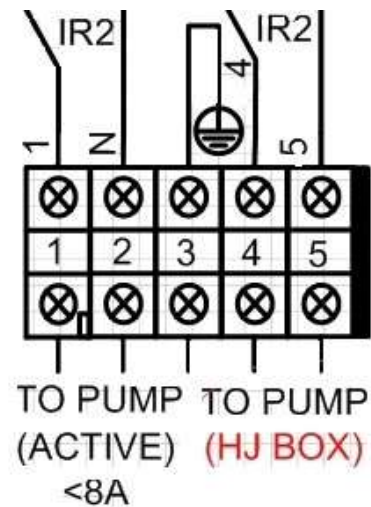
Chlorinator

The chlorinator connects directly into a general power outlet, not into an extension lead. Plug the Black 2 pin power lead from 5HJ into the sanitiser. Set the chlorinator to operate for the required filtration and dosing requirements.

Heat Demand

Connect the Heat Control cable from the controller to the following points for the appropriate heat pump; note damage caused by incorrect connections will void warranties.

Connections for compatible Oasis heat pumps are:



This product is covered by a limited **2 year** warranty against component failure or faulty workmanship from the date of installation.

Temperature sensors are covered by a limited **12 month** warranty.

A faulty unit should be returned in the first instance to the dealer from which the unit was purchased.

Damage to the unit due to misuse, power surges, lightning strikes or installation that is not in accordance with the manufacturer's instruction may void the warranty.

If the power cord is damaged, do not use the controller; return the unit to the supplier for repair

Warranty does not include on-site labour, cover travel or freight / postage costs to or from installation site.

Return to supplier for repair

Customer Record. (To be retained by the customer)

Dealer/Installer Name.....

Serial Number.....

Date Installed.....

For service assistance phone SUNLOVER HEATING

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