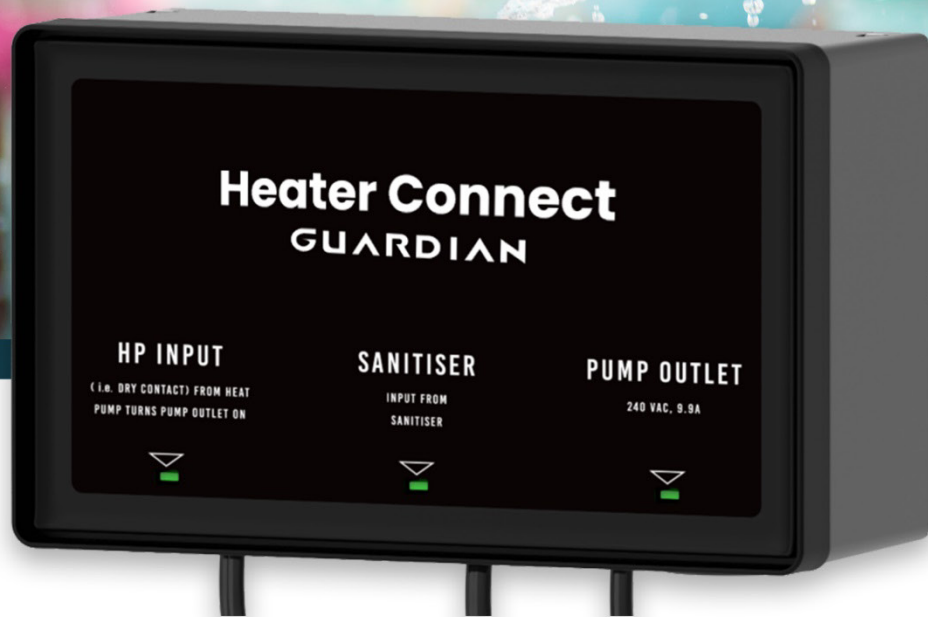




GUARDIAN

— POOL HEATING —



HEATER CONNECT

HEAT PUMP & SANITISER INTERFACE

INSTALLATION & OPERATION MANUAL

TABLE OF CONTENTS

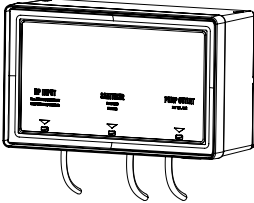
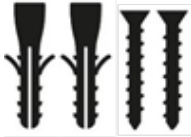

1. FOREWARD	2
1.1 WARNINGS	2
2. INSTALLATION DIAGRAM	3
3. SPECIFICATIONS & PART NUMBERS	3
4. INITIAL SETUP.....	4
5. CONTROL OPERATION.....	5
6. TROUBLESHOOTING	5
7. WARRANTY	6

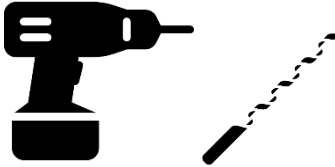

1. FOREWARD

The Heater-Connect is a heat pump and sanitiser interface that enables smart pump switching with an isolated circuit between sanitiser and heat pump inputs, saving you money on your swimming pool running costs.

This manual contains important information about the installation, operation and safe use of this product. Your control system must be installed and operated as specified. This information should be given to the owner and/or operator of this equipment. When installing and using this electrical equipment, basic safety precautions should always be followed.

Failure to follow safety warnings and instructions in this manual can result in serious injury and/or damage to your equipment. Read and follow all warning notices and instructions which are included in this manual.

PROVIDED		
		
Heater-Connect	2x Red wall plugs with screws	The installation & operation manual

TOOLS REQUIRED	
	
Drill 6mm Drill Bit	Phillips Head Screwdriver No. 2

1.1 WARNINGS

The internal power supply contains live components, if opened there is the risk of electric shock. If the power cord is damaged it must be replaced by a qualified professional.

The Heater-Connect must be installed by a qualified technician in accordance to AS/NZS 3000 wiring rules.

The Heater-Connect must be installed in the correct location in the pool zone and be connected to supply via a power outlet that is protected by a residual current device (RCD) having a rated residual operating current not exceeding 30mA. The power outlet should have a degree of protection suitable for a pool area.

To reduce the risk of injury, do not permit people (including children) with lack of experience and knowledge to use this appliance unless they have been given supervision or instruction concerning use of the appliance.

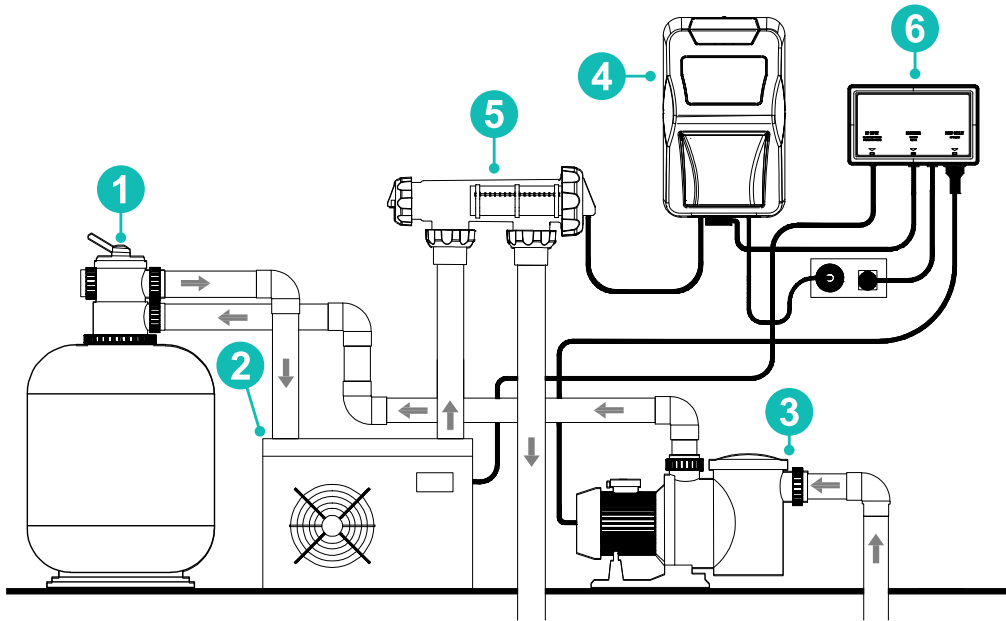
To reduce the risk of accidents or damage to the equipment, service on the unit must only be performed by a qualified professional, after disconnecting it from the mains power supply.

If the carton is wet, do not plug the Heater-Connect in.

When both using and installing the Heater-Connect, ensure all local, state and federal safety regulations are abided by.

Take proper precautions with prescribed environmental and operational conditions.

2. INSTALLATION DIAGRAM



1	Pool Filter	4	Pool Sanitiser
2	Heat Pump	5	Cell Housing
3	Pool Pump	6	Heater-Connect

3. SPECIFICATIONS & PART NUMBERS

Volts Input	Vac	220-245
Amps Input - Max.	Aac	10.00
Amps Output Pump Max.	Aac	9.90
Total Power Consumption	W	24
Frequency	Hz	50/60
Heater-Connect Dimensions	mm	220W x 135H x 90D
Power Cord		10A Australian Approved + piggy-back type
Wall Mounting		Simple Click On - Clip OFF
Ingress Protection Rating		IP35
Unit Shipping Dimensions	mm	310W x 230H x 115D
Net Weight	kg	1.0

CODE	DESCRIPTION
N00305-1	Base Body
N00306	Wall Bracket
N01364	Power Cord - HP BOX c/w Piggyback Socket
N01379	Front Sticker - HP BOX LED VERSION
N01400	Case Front Cover
N01401	PCB - HP Box

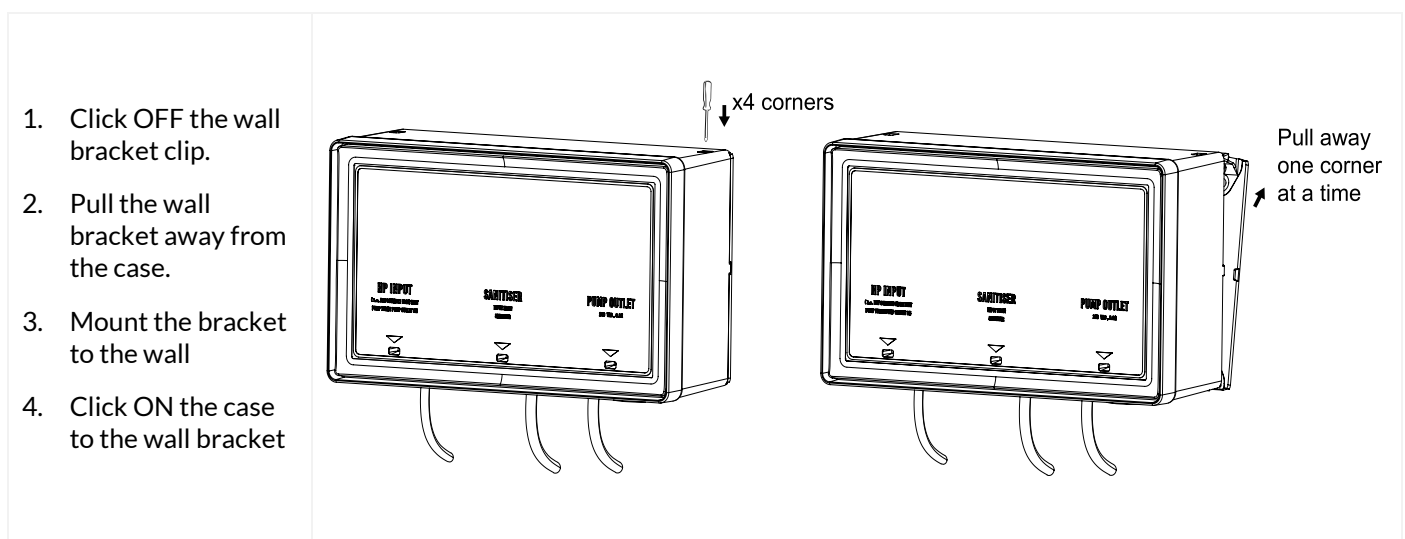
4. INITIAL SETUP

STEP 1: Remove the contents from the box and carefully plan all steps using the installation diagram and by reviewing the steps below.

STEP 2: Position the Heater-Connect as indicated in the installation diagram, ensuring it is NOT too close to other equipment or power outlets.

It does however need to be close enough to the Sanitiser, Pump, and Heat Pump power supply so the piggy-back power cord can plug in to its socket outlet and the Heat Pump Interface Cable can activate the heat pump.

STEP 3: Attach the Heater-Connect controller to the wall by removing the simple “Click ON – Click OFF” wall mounting bracket that is attached to the controller case. Use the wall plugs and screws provided. See the diagram below.



This unique design keeps the controller case unexposed to any possible water entry.

STEP 4: HJ INPUT

Fit the two pin terminals on the HJ Input cable to the potential free dry contacts in the heat pump. This is a signal from the heat pump to turn the pool pump ON.

When connecting to the Heat Pump ensure the two pin terminals connect to a potential free contact.

This connection must be performed by a qualified technician only.

Any voltage on this connection will lead to Heater-Connect failure and void warranty.

STEP 5: SANITISER INPUT

Fit the piggyback point from the HJ Box Sanitiser Input to the AC Socket outlet on the Sanitiser.

STEP 6: PUMP OUTLET

Plug the power cord from the pump into the AC Socket on the base of the Heater-Connect

STEP 7: Connect the plug top at the rear base of the Heater-Connect to a wall power socket.

It is important to maintain your Heater-Connect, please periodically check for any wear on the leads to and from your box and for any leaks from any associated nearby pool equipment have which may impact it.

5. CONTROL OPERATION

The Heater-Connect will operate under the below conditions indicated by the LED display.

HEAT PUMP DEMAND	SANITISER DEMAND	POOL PUMP STATUS
OFF	OFF	OFF
OFF	ON	ON
ON	OFF	ON
ON	ON	ON

6. TROUBLESHOOTING

If you suspect for any reason your Heater-Connect is not performing or running as it should be, here are some handy troubleshooting tips that may assist you.

FAULT INDICATION	POTENTIAL CAUSE	RESOLUTION
Heater-Connect not turning pump on	Heater-Connect inputs not plugged in	<p>Check that the pump is securely plugged into Heater-Connect AC socket.</p> <p>Check that an input signal is getting received from HJ Input or Sanitiser.</p> <p>Check that Heater-Connect power cord is plugged in to a wall socket and there is power at that point.</p>
Heater-Connect HJ Input LED in not on	No demand ON signal from the heat pump	<p>Check that the HJ Input cable is receiving a closed contact from the Heat Pump.</p> <p>The Heater-Connect sends a 5Vdc signal to the Heat Pump and receives it back to turn ON the pool pump.</p>
Heater-Connect sanitiser LED in not on	Sanitiser power lead is not plugged in securely to the sanitiser or no demand ON signal from the Sanitiser	<p>Check that the Sanitiser piggyback plug is securely fitted to the sanitiser and that there is output from the sanitiser to turn the pool pump ON.</p>
Heater-Connect outlet LED is not on	No signal for it to turn on	<p>Check that there is a demand ON signal from the Heat Pump and Sanitiser</p>

7. WARRANTY

THIS EQUIPMENT HAS BEEN MANUFACTURED AND TESTED TO THE HIGHEST STANDARD AND ACCORDINGLY CARRIES THE FOLLOWING WARRANTY.

Your Heater-Connect System is covered by a limited **Two (2) Year** warranty.

Please refer below for details as follows:

- 2-year limited warranty against defects in workmanship and materials if used for its intended purpose and maintained according to instructions
- If the product is found to have been misused or damaged due to water entry/mechanical damage/accidental damage, this will not be covered under warranty, and, in such cases, no warranty will apply.
- Warranty is limited to repair or replacement, depending on the problem of the product

The Warranty is void under the following circumstances:

- Incorrect power supply and/or connection
- Water damage from external sources
- The Control System is not protected from the elements.
- Insect infestation or penetration by dust, sand or other foreign particles inside the Control System.
- Damage beyond our control.
- Equipment that has been misused, neglected, damaged, repaired without authorisation or altered in any way.

Note;

- This warranty is applicable to workmanship and materials only.
- This warranty is not transferable under any circumstance.
- Keep your original purchase invoice and serial number in a safe place.

This limited warranty is the sole and complete warranty for Guardian Pool Heating and shall be limited to the cost of the meter. In no event shall Guardian Pool Heating be liable for incidental or consequential damages.