

Single pump controller Installation manual



Introduction:

The single Pump controller designed to work with the Madimack heat pump range to give a priority to heating function with a single pump. This controller in conjunction with the Madimack heat pump can initiate the water pump from the heat pump controls to extend the run times required. This will enable you to run the heat pump when the chlorinator is off and this allows individual control over chlorinator timers and heat pump timers.

By Following these simple installation and operating instructions you will enjoy trouble free operation for many years ahead.

Caution: Do not open the case of the single pump controller. It is not user serviceable. If the power cord is damaged, it must be replaced by Madimack only. Opening the case will Void the warranty of the unit.

Installation Location:

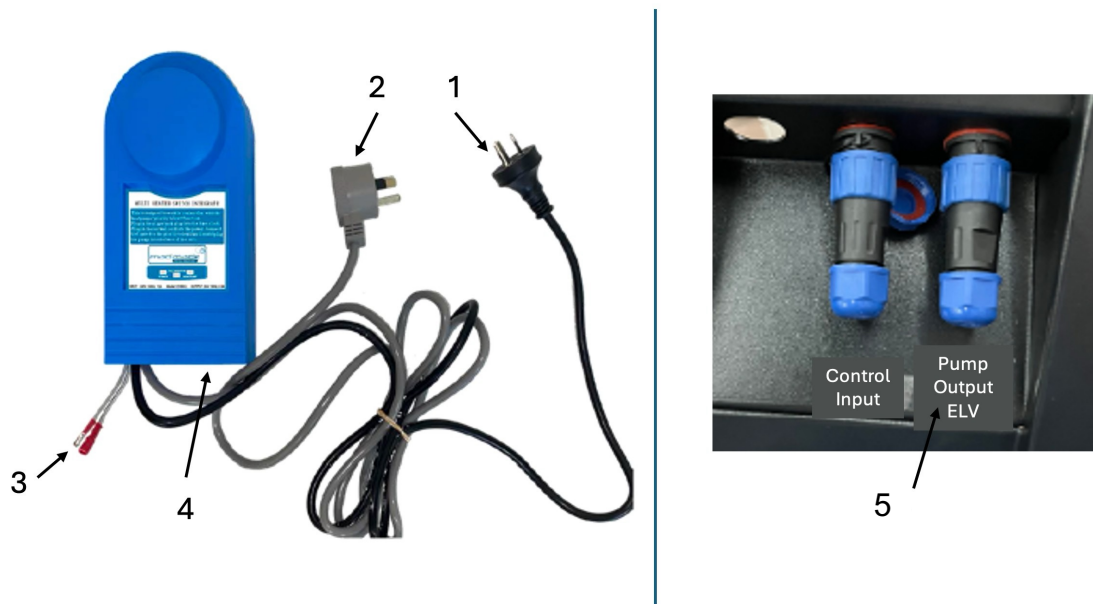
The single pump controller is weather resistant; however, it should be mounted in sheltered position where it is not exposed to direct weather, splashing or spray from the pool or filtration equipment. Electrical building regulations specify that the controller must not be placed within 3.5 meters of the pool.

Fix the unit to a wall or post, within 1.5 meters of the 240 Volt outlet and within 2 meters of the pump. Mounting points are provided on the back. One figure 8 cable is supplied to connect to the P1 – P2 terminals on the heat pump. This controller must be installed in the upright position (cables and main sockets downwards).

Maximum Pump rating – 1.5HP (8a)

Note: Only the water pump that supplies water to the heat pump is to be connected to the outlet underneath the MJ-Box. More than this or equipment other than a pump may damage the electronics or the item connected to the controller outlet and will void your warranty.

Installing the single Pump controller:



How to install a single pump controller?

1. Disconnect the water pump power from the chlorinator, and plug it into the socket on the bottom of the MJ Box (Diagram #4)
2. Connect the black power cable (Diagram #1) to an always on 240v GPO.
3. Connect the piggyback plug (Diagram #2) into the pump outlet on the chlorinator (where the water pump was plugged in).
4. Connect the figure 8 wire from the single pump controller (Diagram #3) to the Pump Output ELV quick connect plug (Diagram #5).
5. Note – The plug is not polarity sensitive.
6. Use the 2-core cable supplied to extend the figure 8 wires on the MJ box to the Pump Output ELV quick connect plug.

Notes:

The MJ Box has three indicator lights.

Power – Illuminates when the MJ Box is connected to power supply

Chlorinator – Illuminates when the Chlorinator is sending the signal to start the water pump

Heat Pump – Illuminates when the Heat Pump is sending a signal to start the water pump