

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.

This unit is covered by a limited 24 Month warranty. Please refer to website for warranty details.

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:

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).

Power connection:

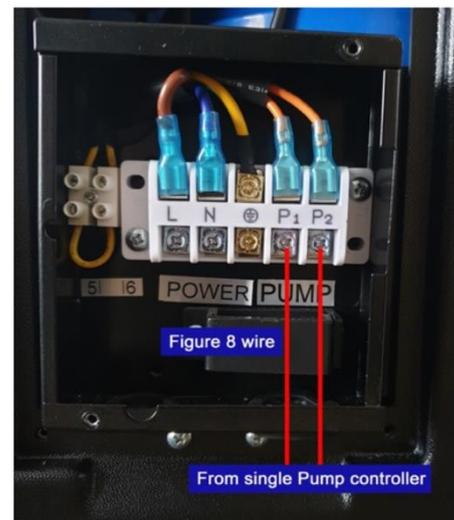
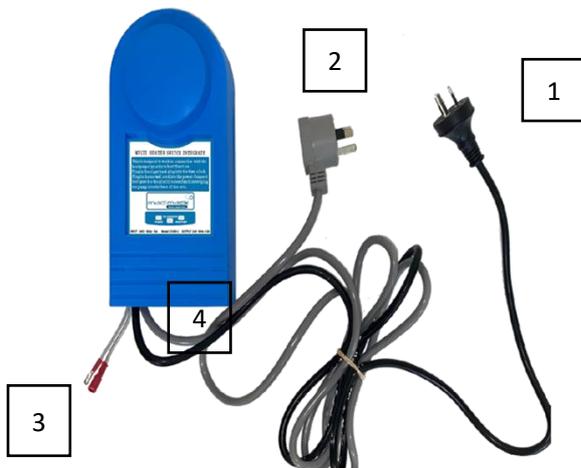
Power to the MJ-Box is supplied through a standard 240 volt lead. A piggyback socket is provided on the lead that must be plugged into the chlorinator if you need to run the heat pump from the one power outlet.

The water pump must be plugged into the bottom of the MJ-Box, to receive power from it rather than the chlorinator.

Maximum Pump rating – 1.5 HP.

Note: Only the water pump is to be connected to the MJ-Box controller outlet. 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 cable from the chlorinator, and plug it into the socket at the bottom right
- 2- Connect the black power cable to a 240v GPO
- 3- Connect the piggyback cord into the chlorinator, where the water pump was plugged in
- 4- Connect the figure 8 wire from the single pump controller to P1 – P2 terminals on the heat pump (in any order)

Installation notes:

- 1- Must be installed by a Licensed electrician
- 2- Find a suitable location to mount the single pump controller, ideally as with all pool equipment, It should be installed out of direct weather and no closer than 3m from the water's edge and a minimum of 600 mm above ground.
- 3- For IP rating requirements exposed to weather an IP53 GPO or above is recommended to be installed