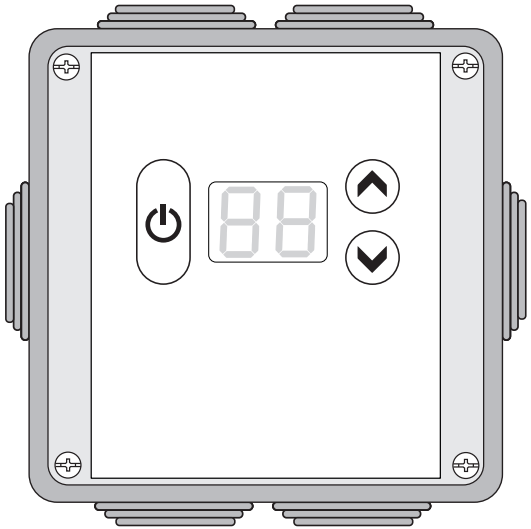
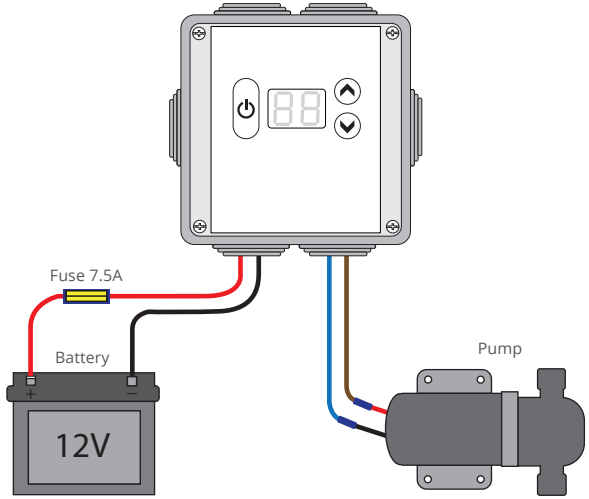


VARIABLE FLOW CONTROLLER

QUICK START GUIDE

WIRING GUIDE



Connect the pump controller as shown above.

The controller comes fitted with a fuse inside. We advise fitting an external fuse between the 12V battery and the controller. Failure to do so means that your wiring is not protected. NOTE: only fit the fuse once all connections are made.

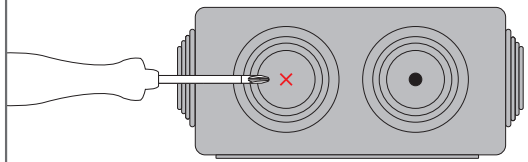
Make sure correct fuse is fitted inline. Failure to do so may result in damage to your installation.

Observe correct battery polarity. Failure to do so will prevent the unit from working.

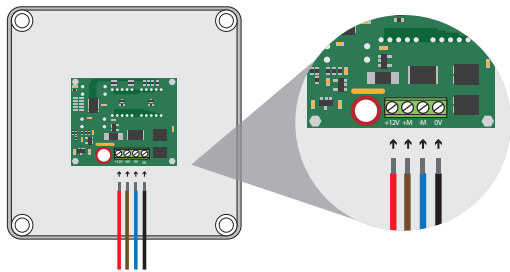
WIRING GUIDE

The controller does not come fitted with wires. Follow the diagram below to connect the wires. We recommend 1mm² tri-rated cable is used. Failure to wire controller correctly could result in damage to the unit.

Before wiring pierce the flexi gland with a sharp pointed object and push the wires through. Making this hole small will decrease the chance of water ingress. Wires should exit from below the controller.



Wire the controller according to the diagram below. Start with the pump wires (brown +M and Blue -M), then the negative battery wire (black 0V), and lastly the positive battery wire (red +12V).



OPERATION

To turn pump controller on or off press and hold the power button.

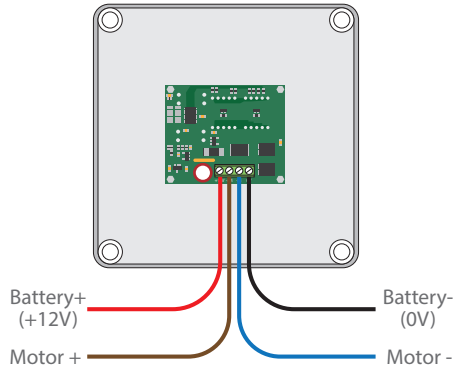
To adjust flow press up or down button as required.

Flow rate can be set from 0-99.

If the pump takes too much current then “CL” (Current Limit) will show on the pump controller and the controller will limit the current available.

When the pump controller is turned off using the power button, the last flow rate used will be retained. Failure to turn off the pump controller using the buttons (for example by disconnecting the battery) will cause the flow rate to revert to the previously used flow rate.

TROUBLESHOOTING



If the pump is running but the controller is off, disconnect immediately! Failure to do so could result in serious damage to the unit. Check that the blue and black wires have been connected correctly.

If unit fails to turn on check wiring against diagram above. If wiring is correct check connections to the battery and pump.

When wiring do not over tighten screws as this could cause damage.

Make sure the enclosure front panel screws are done up tightly to avoid water ingress. Ideally the wires should be inserted through bottom glands of the enclosure this will help to prevent the chance of water ingress.

OPERATING WARNINGS

Adjust your flow settings carefully.

For absolute safety always wire through the pump pressure switch. (The pressure switch can be bypassed if absolutely necessary - the unit will protect itself under normal conditions.)

This is a water pump controller: it will not work with air in the system. Always prime your system before starting work.

If “CL” (Current Limit) is displayed, lower the flow rate.

SPECIFICATION

Supply Voltage	11 - 14 VDC
Maximum Current	5A
Typical Drive Current	4A
Enclosure Material	ABS
Water Resistance	IP55
Dimensions	120 x120 x60 (mm)
Working Temperature	0 to 40 Deg C

For more information please contact your distributor.