



Operating Warnings

Adjust your flow settings carefully. Repeated false dead-end detection indicates that the Cal value should be increased (less sensitive).

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 air in the system causes false dead-end detection, increase Cal value (less sensitive).

Do not set the Cal value too high. Setting it higher than necessary places extra strain on both the pump and the controller in a dead end situation. This can result in damage to both the pump and your controller.

Specification	Value
Supply Voltage	11 - 15 VDC
Maximum Current	10A
Typical Drive Current	2-3A
Voltmeter Accuracy*	+/- 200mV
Enclosure Material	ABS
Water Resistance	IP65
Dimensions	115 x 65 x 40(mm)
Working Temperature	0 to 40 C

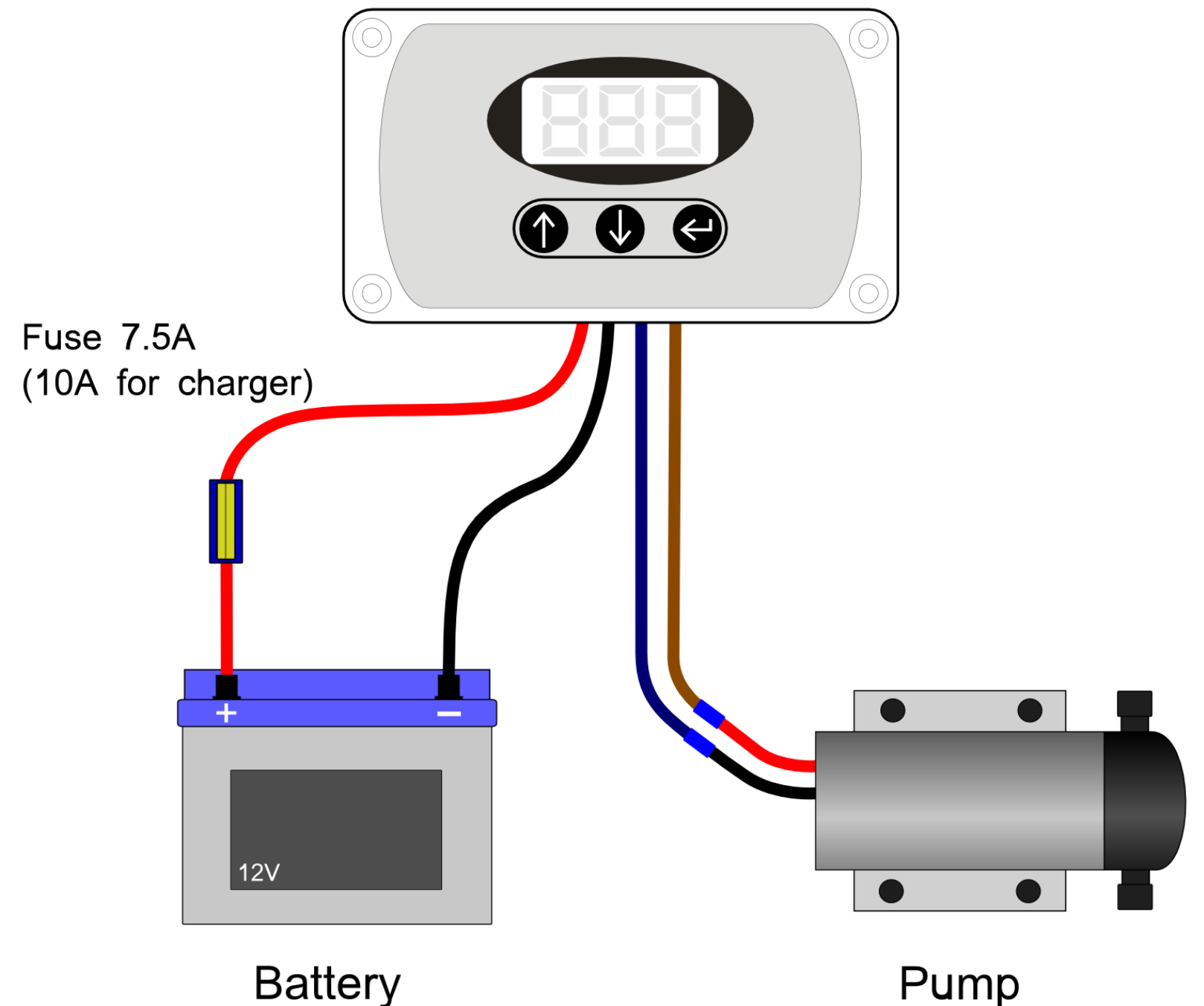
* Accuracy of voltmeter depends on length of cable from battery and drive current. A high drive current and long length of cable will decrease the accuracy.

DISCLAIMER
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Pump Controller - Quick Start

Step 1. Wiring

Connect the pump controller following this diagram.
NOTE only fit the fuse once all connections are made.



Make sure correct fuse is fitted inline. Failure to do so will result in damage to the unit.
Observe correct battery polarity. Failure to do so will result in damage to the unit.