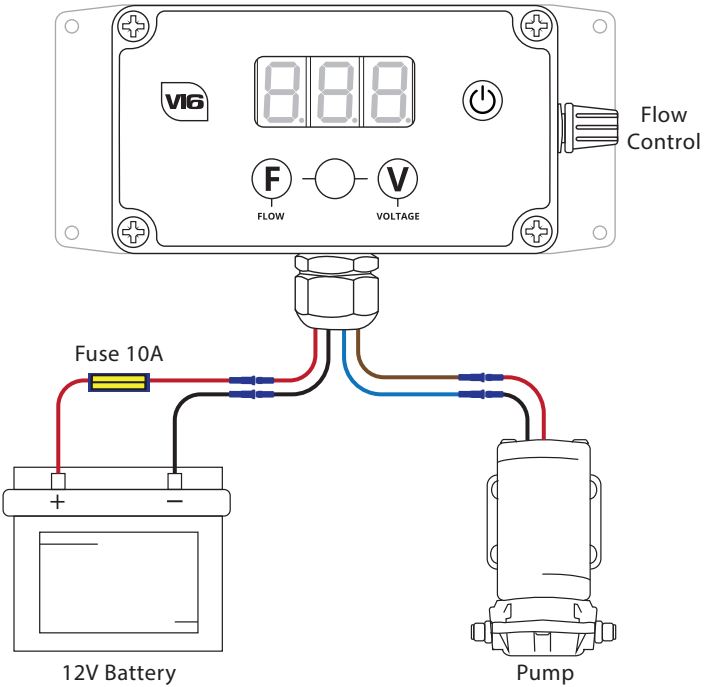
Wiring



Connect the pump controller in accordance with this diagram.
NOTE: only fit the fuse once all connections are made.

The Fuse for this unit is a 10A Fuse. Make sure correct fuse is fitted inline, close to the battery end of the RED (positive) wire. Failure to do so will result in damage to the unit.

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

For safety 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 the system before starting work. If air in the system causes false dead-end detection, increase Cal value until air is removed.

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	15A
Typical Drive Current	8A
Voltmeter Accuracy	+- 100mV
Enclosure Material	ABS
Water Resistance	IP65
Dimensions	115 x 65 x 40 (mm)
Working Temperature	0 to 40 Deg C

*** Your battery is at risk of permanent damage if you disable low battery cutoff and continue to use your controller for long periods when the battery voltage has fallen below +10.5V.**

DISCLAIMER
THE MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES TO ANY PRODUCT HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. THE MANUFACTURER DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN.

For more information and videos on how to use Spring controllers please visit: www.springltd.co/videos

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Connect your hose and pole + brush to the pump.
Turn on the controller by pressing the power button.



To enable or disable the low battery cut-off* (that stops your pump when the battery voltage is below 10.5V) press and hold the middle and V buttons.



Then use the F or middle button to select ON or OFF. Press V to save.



NOTE: 'ON' keeps your battery protected.

To turn the flow rate up, turn the flow control knob clockwise.
To turn the flow rate down, turn the flow control knob anti-clockwise.
The current flow rate will be displayed.



Press V to display the current battery voltage.



Press F to display the current flow rate.



To turn the controller off, press the power button.



Message	Description
	This message will start to flash when the battery is low (<11.0V). If the battery is below 10.5V the pump will be disabled to protect the battery, unless low battery cutoff is disabled.*
	An over current has been detected, the controller has shut down the pump to protect itself. Lower the flow rate and check the hose for blockages.

Please consider the environment at the end of this product's life.

At end of life please take this unit to your closest electrical recycling point.
or
Return this unit to Spring (Europe) Limited for recycling.

Recycle Responsibly
ISO14001

ECO Reference	Date
ECO0371	04.09.25