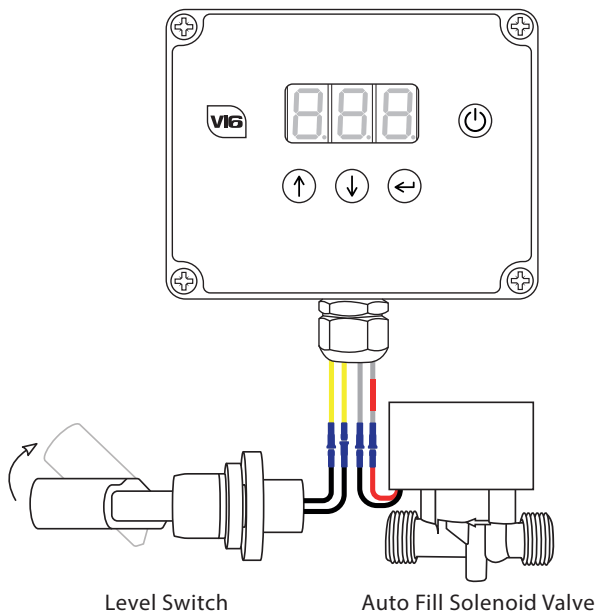




The controller constantly monitors the dead end detection and low battery protection while in fill mode to protect the system.

Connect the pump controller in accordance with this diagram.

**NOTE: only fit the fuse once all connections are made.**

**NOTE: solenoid wire pairs (grey/white/green/pink) must not be shorted/connected together otherwise damage may occur to the controller and invalidate the warranty.**

Spring solenoid valves come fitted with grey wires and can be fitted either way round.



The Fuse for this unit is a 30A 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.

The controller has two filling modes:

1. One time fill (stops when the level switch activates/lifts)
2. Fill on demand (refills every time the level switch drops)

To select the required filling mode press and hold the down and enter buttons. The controller will display the fill on demand (FOD) menu.



Press up or down to change between on and off. Off will set the controller to 'one time fill'. On will set the controller to 'fill on demand'.

Press enter to display the next setting. Fill Delay will only appear when FOD is set to on.



Fdy is the time delay in minutes from the tank reaching full and the filling re-starting should the water level drop. You can set this delay from 0-10 minutes with the up and down buttons. Setting to '0' turns the delay off. Press enter to set.



To start filling the tank (when FOD is off) press and hold the up and down buttons. This will activate the solenoid valve allowing water to fill the tank until the float switch detects that the tank is full.



The tank can be filled when the unit is on (even when pumping) or when the unit is turned off. While the solenoid valve is on and the tank is filling, the display will flash FIL.



To manually stop the tank filling press and hold the up and down buttons again. The display will stop showing FIL.



Fill on demand is effectively a tank level control that keeps the tank topped up to the level switch. The solenoid valve will be turned off if the unit detects a low battery (below +10.5V).



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

#### 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](http://www.springltd.co/videos)

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|---------------|----------|
| ECO0371       | 04.09.25 |