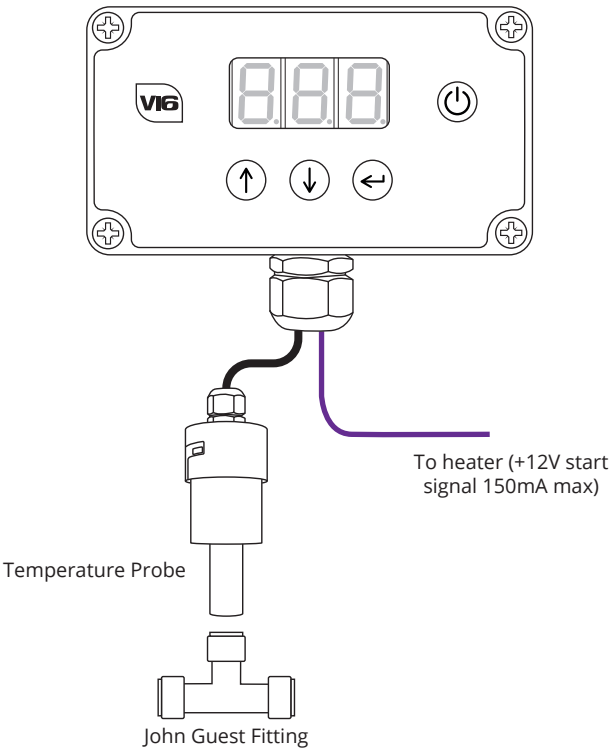

Connect the pump controller in accordance with this diagram.
NOTE: only fit the fuse once all connections are made.

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.

John Guest 1/2" or 12mm Equal Tee fitting not supplied. Available on request. Specify 1/2" or 12mm probe at time of order.

The pump and heater will be turned on if the temperature of the water falls to the frost temperature (FtP). This will happen when the unit is off and if frost protection is enabled.

The temperature of the water can be monitored by pressing enter after turning the unit on. NC will be displayed when the temperature probe is not connected.

To manually control whether the heater is on or off while pumping, press and hold the down and enter buttons. Press enter until heater message is displayed. (This setting will not affect the frost protection setting).

Press up or down to change between on or off. Off will prevent the heater from heating the water whilst the controller is on. Press enter again to turn frost protection on and off, using the up or down buttons.

If frost protection is set to on: Press enter to set the temperature. This is the temperature at which the frost protection turns on. Adjust value with up and down, e.g. to set heater to come on at 2 degrees centigrade set controller to 2. Note: if you set Ftp too high your heater may turn on when you do not need it. ie when there is no danger of the water freezing.

Press enter again to adjust the speed of the pump recirculation when frost protection is working. Set pump flow rate using up and down. Note: for Webasto heaters, set flow to 10. Other heaters may require a higher flow. Set flow to the minimum possible. Faster flow will discharge the battery more quickly.

Press enter to set. If frost protection is enabled, when activated the controller will flash between the temperature and FSt.

NOTE: Your controller must be turned **OFF** to enable frost protection and your heater must be turned **ON**

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