

shines. After installation of the Controller, there may be a period (3-4 weeks) when not much appears to be happening. In time the weed will start to break up and clumps of it may have to be removed manually to prevent the filters from becoming blocked. After a few weeks there should be a significant reduction in the amount of blanket weed. The unit will also prevent limescale deposits on the quartz sleeve of your UV light thus extending the life of the lamp and sleeve.

TROUBLESHOOTING

For the very best results, the chemical balance of your pond water should be correct. The level of nitrates should be as low as possible and to this end you are advised not to over feed. The pH should also be as the correct level. Various pond treatments are available to assist you in maintaining the correct balance.

SCIENCE

The metabolism of all cells including plant cells is regulated by calcium ions and the cell walls are constructed of a very thin layer of calcium ions and lipid tissue. The effect of the Controller is to de-stabilise the calcium balance in the water and this probably causes some calcium ions to be stripped from the cell walls. This in turn allows one or more free calcium ions to enter the cell and this in turn dramatically increases its metabolism and causes it to die off. The reason Spirogyra is so prone to this type of treatment is because of its large surface area and high growth rate. This makes it particularly easy for it to absorb the free calcium ions that in turn causes it to over-metabolise and so die off.

OPERATION

You may notice that the blanket weed appears to be growing faster once the unit has been fitted but after 3-4 weeks you will notice that it start to die off at the ends. This dying process will continue and you should remove the dead weed to avoid blockage of pump. Do not remove live weed once your unit has been installed, as this will just encourage it to spread. BE PATIENT, your WB unit WILL kill your weed if you give it time.

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DO NOT TURN YOUR UNIT OFF DURING THE WINTER. IT SHOULD BE KEPT ON AT ALL TIMES UNLESS YOU LIVE IN A CLIMATE WHICH TRADITIONALLY FREEZES DURING THE WINTER PERIOD.

ISO9001 Certificate:C705SW



WEEDBUSTERS

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Installation Instructions & Information

BLANKET WEED CONTROLLERS MODELS
WB1 WB2 & WBS
European Models 220/230 – 6v models
with external transformer.

FEATURES

Your Blanket Weed Controllers are designed to treat ponds of up to 10,000 gallons. The WB1 (5000 gallons) WB2 (10,000 gallons) and the WBS or battery powered unit treats up to 5000 gallon ponds. Each unit is encapsulated with resin so that it is splash-proof and can be installed outdoors. The WB1 and WB2 units are rated SPLASH-PROOF and ideally should be enclosed in a water-proof container (sandwich box). The WBS however is rated to IP67 and is therefore fully waterproofed.



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SEASONAL TREATMENT:

PLEASE KEEP YOUR WEEDBUSTER ON ALL YEAR ROUND. DO NOT TURN IT OFF DURING THE WINTER UNLESS YOU LIVE IN A CLIMATE WHERE THE TEMPERATURE IS LIKELY TO DROP BELOW FREEZING FOR ANY PERIOD OF TIME.

Part List:

WBS (Solo battery operated version)

- 1 x electronic unit with waterproof connectors
- 2 x looped aerials and cable ties

ALL THIS EQUIPMENT IS INSIDE THE WBS UNIT

WB1 treats 5000 gallons

- 220v/6v unit with external transformer
- 1 x electronic unit with waterproof connectors
- 1 x looped aerial
- 1 x set cable ties
- 1 x external transformer

WB2 treats 10,000 gallons

- 220v unit with external transformer
- 1 x electronic unit with waterproof connectors
- 1 x set cable ties
- 2 x looped aerials
- 1 x external transformer

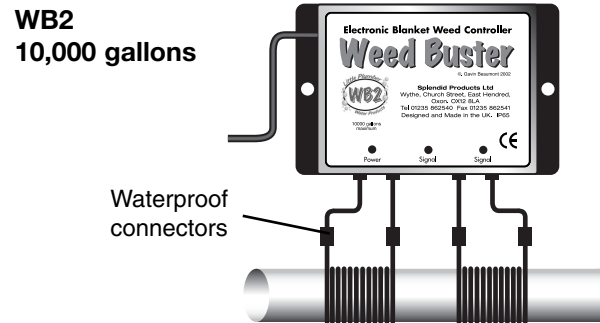
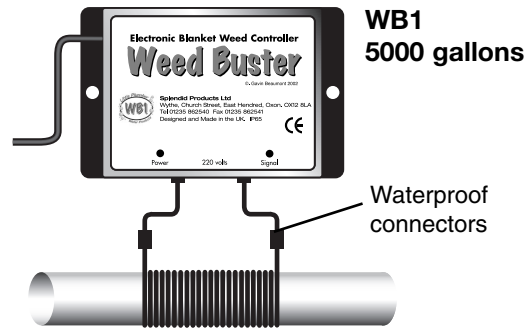
INSTRUCTIONS:

Checking the WB1 and WB2 units. Before installation, plug in the unit and make sure that the power light lights up. Next, connect the aerial or aerials to the in-line waterproof connectors and make sure that the signal light/lights are working. They should be flashing while the power light should simply be ON. The signal lights will only work when the aerials are connected properly.

Checking the WBS: Fit 4 x "D" cells and check that the small LED light flashes intermittently. When the batteries are first installed, the light will flash quickly and will then settle down to pulse once every 30-40 seconds. The batteries should be of good quality (DURACEL is recommended) and will last just over a year.

INSTALLATION

Select a part of the main re-circulation pipe and install the unit as close to the water exit as possible. The closer to the exit point of the pipe the unit is installed the better it will work. If it is not possible to install at this point then install the unit just after the filter. Wrap the aerials at least 10 turns around the pipe and tie off with the cable ties supplied.



All types of pipe can be treated regardless of material.

The WBS (Battery operated version) has a different aerial configuration so please read the instructions carefully.

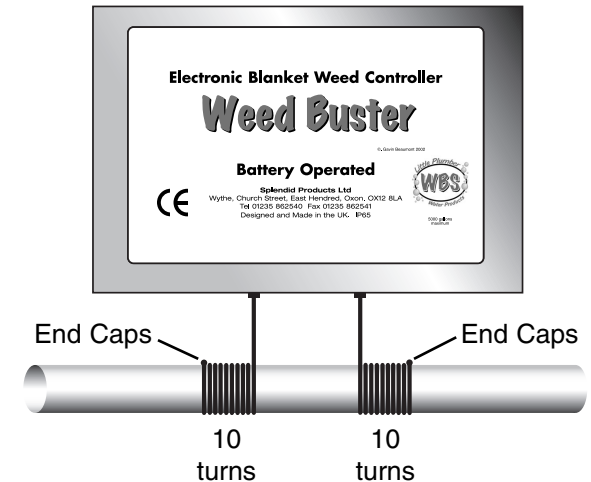
ELECTRICAL SUPPLY

It is now time to "power up" your controller and for this you need to plug into the mains (220/240v) using the transformer provided. If you need to wire the unit into a fused spur then you will need a waterproof

transformer 220/240V AC to 6V DC. (Please ask your supplier) Make sure that the electrical source is continuous. Don't turn the unit off once it has been switched on during the season. At this point, both the power and the signal lights should be on. The power light should be permanently on and the signal light should flash.

INSTALLATION OF THE WBS UNIT

As with the WB1 and WB2, select a part of the re-circulation pipe nearest its entry point into the pond and wind the two aerials around the pipe as in the configuration shown below. NB; IT IS ESSENTIAL NOT TO LOOP THE AERIAL BACK INTO THE WBS UNIT. Each aerial should be wrapped around the pipe 10 times but should finish with a small rubber



end cap. The best option is to start winding each aerial from the centre outwards and when you have finished winding the aerials simply tie them off with a cable tie. The WBS unit has been designed to perform for 12 months consecutively with 4 x D cells. Please install a fresh set of batteries each season.

WHAT WILL I NOTICE?

Long String Algae, Blanket Weed is the green weed consisting of long thin monofilaments that invades pools and ponds. It grows very quickly when the sun