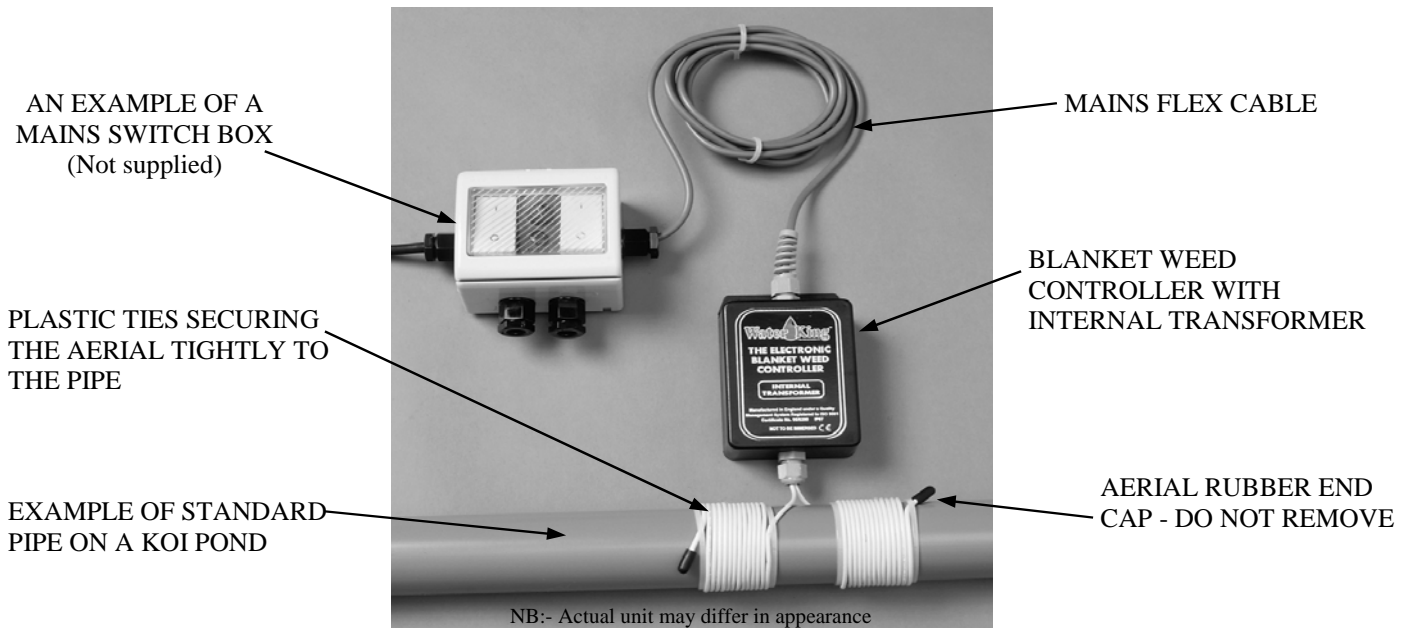


GENERAL INFORMATION & INSTALLATION INSTRUCTIONS



WK1PPIT BLANKET WEED CONTROLLER WITH INTERNAL TRANSFORMER



The Blanket Weed Controller with internal transformer is splash proof but it must not be immersed in water.

GENERAL

Several methods have been used to control the problem of blanket weed, but none have yet proved as successful as Water-King. We do not claim to remove blanket weed completely, but simply to control it. There are a variety of weeds, and some of these can prove more stubborn than others.

A period of 7 weeks should be allowed from installation before the full effect of Water-King may be seen. The Water-King will also extend the life of the quartz sleeve in the U.V. system by keeping it free of scale deposits in hard water areas.

LOCATION

The unit should be installed as close as possible to the pipe. The unit will operate on any normal type of pipe material, including corrugated, plastic and waste pipe. The pipe to be treated must be full of water at all times which means that water must be flowing either under pressure or suction. A pump will cause electro-

magnetic interference with the signals generated by the Water-King and installation immediately prior to a pump should be avoided if possible. The optimum location is after the pump and filters but before U.V. treatment.

POWER SUPPLY

The Water-King Blanket Weed Controller with internal transformer has a mains cable attached for direct wiring into a switch box with 230v AC supply.

SECURING THE AERIALS

Once you have decided where to locate the unit, start by wrapping the aerials around the pipe. It is normally easier to start by putting a plastic tie loosely around the pipe. Feed the end of an aerial wire through the tie and secure it, so that there is the least amount of aerial left between the tie and the unit. The shorter this length of aerial the more you have available to wrap round the pipe and the better the Water-King will work. Wind the remaining aerial around the pipe so that there are at least 10 turns, more if possible. Secure the other end of the aerial with the end cap in place with another plastic tie. Repeat the process with the second aerial, leaving a gap of at least 25mm between the aerials, winding it in

the opposite direction to the other so that one is clockwise and the other anti-clockwise. Check that the aerials are wrapped around the pipe as tightly as possible. If they are loose the process does not work so well. Do not cut off the caps at the end of the aerials.

SECURING THE UNIT

The unit can be left adjacent to the pipe or fixed with the bracket to a firm surface. To attach the bracket, remove the two screws located at the back of the unit where the mains power cable emerges. Place the bracket in position and use the longer screws supplied to secure it to the unit.

CONNECTING THE UNIT

The Blanket Weed Controller is designed to be wired into a switch box. This operation must be done whilst the power supply is off and only switched on when completed. The LED on the top of the unit will flash, indicating that the Blanket Weed Controller has powered up and that the program is sequencing through the range of frequencies.

OPERATION

The LED on the Water-King unit indicates that the computer is going through the sequence of randomly selected frequencies that are programmed to transmit into the pond water. If you tune a portable radio to the low end of the medium wave frequency band and hold it close to the unit, you should hear a constant whistling noise. This indicates that the unit is working.

WHAT WILL I NOTICE ?

In the first ten days you should notice the blanket weed ceases to grow. Over the next 3-6 weeks the blanket weed will diminish. **It is important that you monitor the condition of your pond water during this time** as high nitrate levels and pH fluctuations will cause the blanket weed to continue to grow. This is especially important if your pond is constructed of concrete as lime may leach into the pond water and cause a variation in the pH level. We recommend that the Nitrate level should be kept at around 25ppm or lower. It may be higher than this, depending upon the quality of the mains water and the filtration system installed on the pond. If you are in any doubt then seek advice from your local stockist.

We recommend that any dead or dying blanket weed is removed in order to prevent de-oxygenation and clogging of filters. Regular ammonia and nitrate tests should be carried out during this period.

Ponds with excess amounts of decaying material can suffer from a disruption of the Nitrogen cycle, so a water change may be required. It is also advisable to keep feeding down to a minimum. Uneaten food, as well as dead weed left in the pond will encourage the return of blanket weed.

Water-King installed on a pond with a waterfall will

take longer to have an impact on blanket weed growth,

WINTER PRECAUTIONS!

When the water temperature falls and sun light diminishes in winter, blanket weed will naturally slow its own metabolic rate and start to die off. The blanket weed controller can stimulate growth under these circumstances and we recommend it is switched off once it becomes cold and only switched back on when growth is visible again in Spring.

MAINTENANCE AND TROUBLE SHOOTING!

The Water-King needs no maintenance or servicing but do check occasionally to see that the light is flashing. If the light on the unit is not flashing or stays on permanently, it is possible that the computer micro-chip has become locked due to a power surge. Switch the unit off at the mains, wait for 30 seconds, and switch it on again. This procedure resets the computer program and should get the unit working again.

If the 30 second reset period fails to fix this problem then it may be necessary to switch the unit off for a further 10 minutes to allow the computerchip a longer reset period.

If the unit still fails to work, then call us for advice.

1 Year Manufacturers Warranty

Lifescience Products Ltd guarantees that it will repair or replace the WK1PPIT Blanket Weed Controller unit should it suffer from a manufacturing defect during the first year after purchase. The unit should be returned to us properly boxed & wrapped together with proof of purchase showing the price paid.

Lifescience

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