

Instructions - Misting Control System – Balance Arm

The Balance Arm Misting control system allows automatic misting for your cuttings and seeds...24 hours a day.

- Grow your own fabulous plants from cuttings or seeds with great strike rates.
- Misting is regulated according to the conditions and environment around your plants – giving your plants the correct amount of moisture they need.
- Kitset – simple to assemble and completely safe.
- Perfect for commercial use or home hobbyists, schools, councils, landcare groups.

This system works on the principle of evaporation. As the moisture evaporates off the Balance Arm leaf, the arm tips upwards and at a pre-set position switches on the solenoid valve allowing water to flow to the mist heads. The mist collects on the Balance Arm leaf and the weight of the water tips the arm down to a preset position and so turns off the solenoid valve. The cycle continues. The frequency depends on the temperature and humidity in the propagating house. The amount of mist per application is controlled by balance arm weights which should be adjusted in a position or distance from the fulcrum or pivot points to give the misting duration of approximately 4-6 seconds.



The Balance Arm mist system is operated by a step down transformer 240V – 24V ac voltage for maximum safety.

Components comprising the mist system:

1. Balance Arm
2. Plug Board
3. 240V – 24V Transformer
4. Solenoid Valve

(Mist heads and water pipe are available upon request)

Set up Instructions:

1. Plug the transformer (must be kept dry at all times) into a 240 volt outlet
2. Attach the power board under your bench
3. Connect the solenoid to your water supply. Water Flow is same direction as the arrow
4. Connect the 2 pin polarised socket from the Balance Arm unit into the Power Board.
5. Place the Balance Arm on level surface between two mist heads.



Transformer



Power board



Solenoid

Balance Arm Adjustments:

The Balance Arm sensor is set and tested, however if you need to adjust the setting follow the steps below:

How to reduce the mist:

Turn the weights approximately one turn closer to the pivot point. Make minor adjustments until the desired amount of mist particles are collected on the mesh arm.

How to increase the mist:

Turn the weights approximately one turn away or anti clockwise from the pivot point. Make minor adjustments until the desired amount of mist particles are collected on the mesh arm.

Do not allow the mist heads to continuously drip onto the mesh arm after the misting cycle has ended.

Care

Regularly clean the mesh screen with an old toothbrush to avoid build up of algae and dirt to maintain accuracy and performance. Your balance arm controller is a delicate instrument and with reasonable care will provide many years of trouble free service.