

# INSTRUCTION MANUAL FOR LT1 MISTING CONTROLLER

## THE LT1 MISTING CONTROLLER

Your misting controller will operate an irrigation valve on a continual cycling basis. The interval between irrigation cycles can be controlled by a Wet Leaf, or by a pre-set time or a combination of time and the Wet Leaf.

## INSTALLING AND CONNECTING THE CONTROLLER

The controller is splash proof but should not be continually soaked with water, therefore, mount the controller in a dry position.

**Always** ensure the lid screws are screwed down tight so the inside of the controller is kept dry and to reduce exposure to high humidity.

Fix the controller in a vertical position. Use the 4 holes in the corner of the controller to screw the controller in position. NEVER MAKE HOLES IN THE BACK OF THE CONTROLLER.

**IMPORTANT SAFETY CHECK.** Check the mains supply voltage is the same as the voltage of the controller. The controller voltage is displayed on the top of the transformer inside the controller. The mains supply should be fused with a 3 amp fuse and be connected via a Residual Current Circuit Breaker as per any equipment used in damp conditions. Connect the mains supply to the three terminals as shown in Fig 1.

Connect the 24 V AC solenoid valve to terminals marked 'O/P' as shown in Fig 1.

If you are using a Wet Leaf, connect the Wet Leaf to the two LEAF terminals as shown in Fig 1.

## OPERATING THE CONTROLLER

The time that the misting irrigation is on for is set by rotating the **TOP LEFT** knob to the required number of seconds. Setting this knob to zero will permanently switch off the irrigation.

### Setting the Delay Between Irrigation Cycles

The **TOP RIGHT** knob sets the delay between irrigation cycles in minutes. If you are irrigating on time only (ie not using a Wet Leaf) , you must set this to the required value.

If you are using a wet leaf then you can either set this knob to OFF or to a **minimum** delay. For example if you set the knob to 5 minutes and the leaf dries out in under 5 minutes the irrigation will not start until 5 minutes has elapsed.

If you set the knob to OFF then the irrigation will start as soon as the leaf is dry. However, it is recommended that the delay is set to atleast 1 minute to allow water to properly settle on the leaf.

### Leaf Sensitivity Knob

The leaf sensitivity knob will adjust how dry the leaf must be before the irrigation is started. Minimum sensitivity means the leaf will be more wet when it starts the irrigation cycle.

## THE FLASHING LED

The red LED will flash every ½ second when the controller is in the delay between irrigation cycles.

The red LED will stay on when the irrigation valve is on. It will return to its flashing state after the valve switches off.

### **Important**

If the LED never comes on, then there is a problem with the controller or there is no mains supply. You should check the mains supply.

If the LED never goes off then there is a problem with the controller. Reset the controller by disconnecting the mains supply and switching back on again.

## FUSES

There are two fuses:

Irrigation Valve Output Fuse (in lid of controller) 0.3A slow blow.  
Mains Input Fuse: (in base of controller) 0.25A slow blow

Fig 1 Wiring Diagram

