



**NIEUWKOOP**

# LEAFLET



## VM5010

MIST SENSOR



TO MEASURE  TO KNOW



## General

The VM3000 with the VM5010 sensor is a reliable and easy system for control of mist irrigation systems.

The VM3000 has an adapter with which to set desired humidity-degree, which varies from dry to very wet.



Installation of the VM3000 is very simple because it is a din-rail version, the two wires of the sensor are connected to the numbers 13 and 14. The supply of current (necessary in using the FM-509) direct to 220V (standard) alternate current. The wires for current supply are connected to the numbers 1 and 2 of the connector. In case the culture reach a humidity level below the set value the VM3000 will adapt itself which means that number 10 and 11 or 12 and 11, are connected so that the pump, magnetic valve or the sprinkler system is started.

The VM3000 can work with only one sensor. The open/closed contact number 10 and 11 or 11 and 12 can switch to 8 Ampere. In case of higher values an extra magnetic switch can be installed. The advantage of the VM3000 is its precise dosage of humidity so that one is certain of always having a balanced humidity in the various cultures. Special in view that this system is a "direct" measurement in such way that with the smallest change of water consumption of the crops, it is immediately noticed by the sensor.

## Applications

### **Mist-sensor VM5010:**

The sensor is mainly used for young-plants cultivations where a mist-installation is used. Also the sensor is useful for rain yes or no.

The surface of the sensor is gold-framed and protected for lime sediment. However after a certain period, depending on the quality of the available water, the surface have to be cleaned with a normal detergent. Absolutely not with sandpaper or sand because this can damage the surface of the sensor. The sensor is slightly influenced by temperature.



### **Installation of the mist-sensor:**

The sensor has to be placed between the vegetation in a horizontal position.

- \* Size : 50 x 50 x 15 mm.
- \* Cable length : Standard 8 meter, on request extension to 50 meter
- \* Connection to : Moisture relay VM3000



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