



**NEW
2011**

HortiMaX MultiMa Series II version 5.2

- Extensive and updated irrigation management
- Energy efficient thanks to intelligent PAR controls
- Extremely flexible Pad and Fan controls

Suitable for applications worldwide



The MultiMa has for years been the leading environmental control computer in commercial horticulture. The computer offers unparalleled flexibility and is a breeze to operate thanks to the HortiMaX Synopta software. The MultiMa's state-of-the-art design allows growers worldwide to achieve more than just better results.

Software version 5.2

The MultiMa 5.2 represents the latest advancement in glasshouse environmental control. Based on the MultiMa Series II hardware, new software features have been added for greater versatility and functionality in irrigation, ventilation, cooling and energy efficiency.

Ventilation

- Wind direction parallel to ridge

From this version on, it is possible to gradually 'transfer' the vent positions if the wind direction is close or parallel to the direction of the glasshouse ridge. This 'gradual wind direction' control prevents the leeward side and windward side from switching too quickly.

- Action if vent position unresponsive

If the measured and calculated vent positions do not match, this could be due to any number of reasons. It is now possible to select which action the computer should take if the measured vent position fails to respond to vent adjustments. This enables vent control to continue even if a malfunction occurs.

Cooling

- Pad and Fan

A Pad and Fan system is ideal for cooling and humidifying the glasshouse air, especially in areas with warm and dry climates. A Pad and Fan system allows you to achieve high crop yields, even under the most extreme conditions. Pad and Fan control in the MultiMa has been fully updated to the latest technological standard and includes a host of flexible configuration options.

Crop Optimisation

- Control based on PAR level

The MultiMa also features a new PAR control module for the screen and supplementary lighting systems, which was designed according to the specific wishes of various growers and consultants. This control module was extensively tested in the field and is highly suitable for growing shade-loving plants, such as Anthurium or orchids.

- Hot air control

Hot air control has been completely updated and includes a number of significant improvements. These result in substantial energy savings by preventing the vents from opening too early and all of the heat from escaping. Cascade control is ideal for the combined use of multiple hot air heaters.

Irrigation

- Irrigation cycle history

The MultiMa 5.2 lets you maximise the efficiency of your fertigation programme by displaying comprehensive information on the water flows to and from your crop plants. The system keeps track of various irrigation data, helping you to reduce your fertiliser use significantly.

- Local return groups

In addition to measuring the amount of drain water of one or more groups (i.e. a central drain water measurement), the MultiMa is now able to register the amount of drain water by valve and calculate the drain water percentage based on the volume of irrigation water applied by each valve.

- Repeating irrigation phases

In addition to dividing an irrigation phase into a number of sub-phases, the new MultiMa software allows you to repeat a particular phase during an irrigation cycle. Repeating an irrigation phase is necessary to perform frost prevention sprinkling, for instance.