



# Priva Maximizer

## Integrated Environmental Control



Priva Maximizer is a cost effective, easy-to-use modular control system developed specifically for the greenhouse environment. It is designed to provide the best growing conditions which optimizes plant quality and increases production, while saving energy, water and fertilizer. The improved production and cost savings allow the Maximizer system to quickly pay for itself.

### Complete Control

Priva Maximizer gives you complete control over the climate and irrigation in multiple greenhouse zones. With input from sensors both inside and outside the greenhouse, it can integrate all the equipment in your zones for a total climate and irrigation control solution.

By using proportional control algorithms, Maximizer calculates the amount of heating, cooling or irrigation that must be activated at any given moment in order to achieve the desired set points. It continually monitors inside and outside conditions and uses these values to calculate the settings and then adjust the equipment to maintain the desired temperature and humidity in the zones.

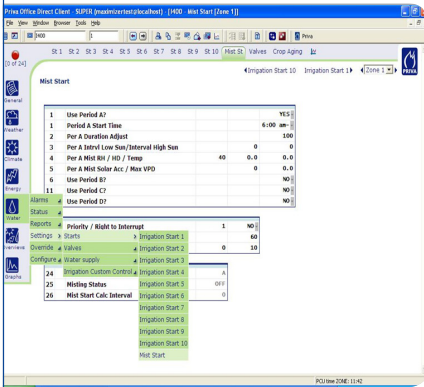
Multiple Maximizers can be connected to a PC running Priva Office, for remote system access and data logging. Each Maximizer can also be operated from the keypad and display mounted on each system.

Software modules can be extended in the Maximizer, and adding extra zones is quick and easy. The installer only needs to select the sensors and equipment that will be connected to the Maximizer.

### Maximizer can control but is not limited to the following:

*Climate:* On/Off Heating, Boiler Control, Mixing Valves, Circulation Pumps, Soil Heating, Vents & Air Inlets, Exhaust & HAF Fans, pad & Fan Systems, Shade, Energy and Blackout Curtains, Crop Protection, CO<sub>2</sub> Control, HID Lights, Customized Programs and Alarms.

*Irrigation:* Irrigation Valves, Flood Benches & Floors, Irrigation & Fertilizer Dosing Systems, VPD (Vapour Pressure Deficit), Crop Aging, UV Sterilization and Water Storage Tanks.



## Sensors and Accessories

- Climate Sensors**  
 Priva's aspirated temperature, humidity and green leaf sensors provide accurate plant temperature data.
- Light Sensors**  
 Various light sensors available to fit your application include: Linear, PAR and Solari sensors.
- Water Temperature Sensors**  
 "Clamp on" and "Direct insertion" water temperature sensors are used to maintain exact heating temperatures.
- EC & pH Sensors**  
 Sensors can be installed to effectively monitor EC and pH levels in your irrigation water.
- Weather Station**  
 A weather station can be added to your system at any time. The Priva system uses the weather information to enhance control of the greenhouse environment.

- Interface Panels**  
 Custom build electrical interface panels allow for easy wiring between computer and controlled equipment. Any installation can be accommodated.
- CO<sub>2</sub> Meters**  
 CO<sub>2</sub> meters provide accurate measurement of carbon dioxide levels in the greenhouse.
- Fans**  
 The Priva fans are designed specifically for the greenhouse environment with an optimized blade angle and curvature for high energy efficiency.
- Master Control Boxes**  
 Motor and fan control boxes can be hooked up for manual or computer control.
- Priva Office**  
 Priva Office is a powerful software addition to Maximizer. This management system provides a visual and easy-to-use mapping of the control system.

Priva North America  
 3468 South Service Road  
 VINELAND STATION  
 Ontario L0R 2E0  
 Canada  
 T (905) 562-7351  
 F (905) 562-7717  
 www.priva.ca

Your Priva dealer:

