

LCC 900 MODULAR - Climate Computer

Advanced technology and simple operation

The new Climate Computer from DGT-Volmatic controls all climate functions in one greenhouse compartment.

The operation of the computer is based on a logical menu structure. The display of the LCC900 climate computer shows the settings frequently used by the grower. Every change is marked with a small 'beep' leaving no doubt if the change has been stored.

Modular

LCC900 is able to control all climate functions in the greenhouse. At installation the program is adapted to each greenhouse. The modular composition makes it easy to expand the climate computer to more functions. It is also possible to expand with more greenhouses as the communication works very fast.



- **User friendly operation**
- **Expansion in modules when needed**
- **Intelligent time zones**
- **Grey mould program (Botrytis)**
- **Energy saving heat control by changing artificial light or position of shades**

Energi saving climate control

LCC900 climate computer can divide the day into 6 time zones depending of sun set and sun rise. This provides the right conditions for an optimal plant growth. Further more the control of the shade can be done dependent of the sun radiation, the heat loss and the artificial light. This way the shades are maintaining the heat.

Preventing diseases

With LCC900 an effective control of humidity can prevent diseases such as grey mould. The humidity is controlled by a function that delays the opening and closing of windows.

Alarms

In the climate computer alarms for temperature, air humidity, CO₂, the heating system, lacking sensor signal, and error symptoms have been built in. At the release of an alarm the alarm output in the climate computer will be activated and the text "alarm" will appear on the display immediately. The alarm bell can be switched off on the climate computer.

Remote control

From a random computer it is possible to read and adjust all the other computers connected to the ARC-net.

Total control

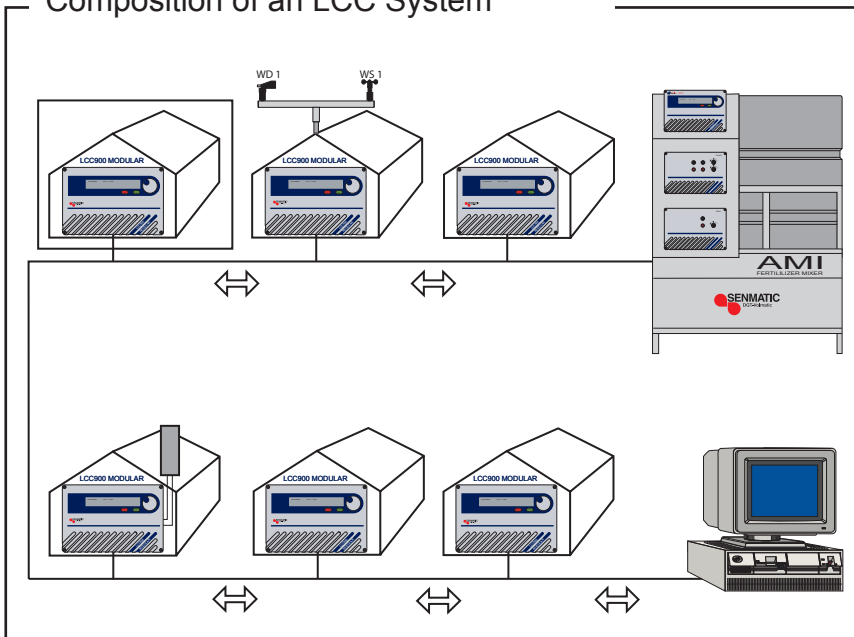
LCC900 climate computer works together with DGT-Volmatic's boilerroom computer and irrigation/fertigation computers. The whole system can be connected to the SuperLink program for central operation and data storage on a PC.

Technical	
Supply Voltage:	230V AC +10 % -15%, 50/60 Hz, 20 Watt.115V on request
Relay outputs:	17 Potential free contacts max. 230V AC, 2A
Alarm output:	1 Potential free contact max. 42V AC, 2A
Digital inputs:	8 Potential free 5V, 10mA
Analogue inputs:	8 0 - 5V standard DGT-Volmatic
Pot travel:	250 - 1000 Ohm
Communication:	ARC-net with RS 485 interface
Physical	
Dimensions H X W X D:	200 x 300 x 100 mm (7.8 x 11.8 x 3.9")
Weight:	2.5 kg (5 lbs)
Proofing:	IP54
Emission:	EN50081-1
Immunity:	EN50082-1
Temperature:	0 – 50°C (32 – 122°F), without direct sun radiation
Humidity:	0 – 95% RH without condensation

Program Packages	
1 Primary Heating Valve	
1 Primary Circulation Pump	
2 Modulating Ventilation Windows	
1 Fan by max Humidity	
1 Secondary Heating Valve	
1 Secondary Circulation Pump	
1 Irrigation	
1 Shading Screen	
1 CO ₂	
1 Artificial light	
1 Blackout Screen	
1 Primary Heating Valve	
1 Secondary Heating Valve	
2 Modulating Ventilation Windows	
1 Soil Heating Valve	
1 Artificial light	
1 Fan by max Humidity	
1 Shading Screen	
1 CO ₂	
1 Irrigation	
1 Blackout Screen	
3 Heating steps	
1 Pad Pump	
1 Modulating Ventilation Window	
1 Jet Fan	
1 Jet Fan Louver	
4 Exhaust Fans	
1 Shading Screen	
1 CO ₂	
1 Irrigation	
1 Artificial light	
Primary Heating Valve	
1 Heating or Humidity step	
1 Pad Pump	
2 Modulating Ventilation Windows	
4 Exhaust Fans	
1 Shading Screen	
1 CO ₂	
1 Artificial light	
1 Blackout Screen or Irrigation Valve	
= Basic versions	

Specifications subject to change without notice.

Composition of an LCC System



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