



LCC2 TOUCH CLIMATE CONTROL



Logic Climate Control (LCC) user interfaces for intuitive operation

Highlights

- 1 compartment
- Industrial PLC technology and modular hardware/software
- 6 time zones with separate settings for temperature, humidity, light addition and CO2
- Advanced control when using multi-sensors
- 7" touch display

When developing LCC Touch, we attached great importance to achieving a simple user interface without compromising the setting options. We collaborated with nurseries, and this is clearly expressed by the user friendliness of the computer. LCC2 Touch features a touch screen interface ensuring easy and trouble-free handling.

The LCC2 Touch climate computer can control all climate functions in one compartment. The LCC2 Touch is based on state-of-the-art technology and an advanced operating

system and is therefore easy to update and expand with more functions and capacity.

The LCC2 Touch communicates via Ethernet with the installed expansion, and this ensures a great degree of flexibility with future updates and service.

The flexible composition of the hardware in the LCC2 Touch makes it possible to choose the sensor which is exactly optimal for a particular production, and it is also possible to use more than one of each sensor in each room. This flexibility provides a high degree of accuracy and safety.

Energy saving climate control

The LCC2 Touch climate computer can divide 24 hours into 6 time zones with optional automatic correction depending on sunset and sunrise. Furthermore, control of the screen can be done depending of the sun radiation, heat loss and the artificial light. In this way the screens are maintaining the heat.

Common and individual control

With the LCC2 Touch, we continue ventilating control with cascade vent control. This means opening the lee side and the wind side at the same time. The wind side is opened to a small crack while the lee side is opened as much as needed. This cascade control of vents gives an effective ventilation in the greenhouse, even at small vent opening percentages.

Logic operation by means of line based interface

The LCC2 Touch climate computer is easy to operate with clear menus on a 7" Touch display.

Optional central control

LCC2 Touch is a network model which communicates with SuperLink via Ethernet.



SPECIFICATIONS / LCC2 TOUCH CLIMATE CONTROL

Technical specifications

Supply Voltage	100 - 240 V AC - 50/60 Hz
Power consumption	65 VA
Communication	ETHERNET

Physical specifications

Temperature, operation	0 - 50° C no direct sun radiation
Humidity	0 - 95 % Rh without condensation
Density	IP65
Dimensions L x W x H	350 x 250 x 130 mm (14 x 10 x 5")
Weight	App. 6.5 kg (14 lb)

I/O

- Digital inputs 2
- Digital outputs 18
- Analog inputs 8
- Analog outputs 2

LCC2 Touch - Essentiel functions

- Heating valves: 3
- Vents: 4
- Screens: 2
- CO2 control
- Artificial light: 1
- Time zones: 6
- Triple tariff
- Heating step: 2
- Vent step: 2
- HAF
- Negative diff.
- Max. humidity
- Botrytis reduction
- Misting: 1 valve
- Irrigation program for 1 valve

Expansion software

- Middle temperature control

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