



# LCC1 CLIMATE CONTROL



## The basic one house climate control - easy to operate

### Highlights

- Increase production output and yield and improve growing precision through accurate control
- Ensure higher crop quality
- Prevent waste of energy and resources
- Quick change between more languages on the display
- More LCC's can be connected in a network
- Possible to add a rain- and light sensor
- Get technical support

When developing LCC1, 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 controller. LCC1 features a line-based interface ensuring easy and trouble-free handling.

The LCC1 can control most climate functions in nurseries, orangeries or similar applications. LCC1 is based on state-of-the-art technology and the actual control is managed by an advanced operating system.

It is possible to connect several LCC1 climate controls so that they can share one weather station.

The weather station comes with wind speed and wind direction sensors as standard. The weather station can be expanded with rain and light sensors, and these can be ordered separately.

The flexible composition of the hardware in the LCC1 makes it possible to choose different sensors, for example sensors for built-in or standalone (hanging) sensors. This flexibility makes using it possible in many different installations.

### Energy-saving climate control

The LCC1 can divide the day into 2 time zones (day/night) with optional automatic correction, depending on sunrise and sunset. Control of the screens can also be adjusted depending on sun radiation and heat loss, so that the screens maintain the heat.

### Individual control

LCC1 can control the temperature, humidity, light and screen in the greenhouse. Furthermore, you can have one daily forced closure of the vents in a period of time, which is optional.



## SPECIFICATIONS / LCC1 CLIMATE CONTROL

---

### Technical specifications

|                   |                           |
|-------------------|---------------------------|
| Supply voltage    | 100 - 240 V AC / 50-60 Hz |
| Power consumption | max. 65 VA                |
| Communication     | CAN bus and RS232         |

### Physical specifications

|                       |  |
|-----------------------|--|
| Temperature operation | 0 - 50° C (32 - 122° F)<br>do not place in direct sunlight |
| Humidity              | 0 - 95 % RH without condensation                           |
| Density               | IP65   |
| Dimensions L x W x H  | 440 x 330 x 130 mm<br>(16 x 12 x 5")                       |
| Weight                | app. 6 kg (13 lb)  |

### LCC1 essential functions

- 1 Heating valve
- 2 Vents
- 1 Screen
- 1 Light step
- Day / night time zones with individual adjustment of temperature and humidity
- 1 Irrigation valve
- Emergency input
- 1 Alarm output
- Max. humidity control
- Heating steps / on-off: 1

### I/O

- Digital inputs 1 (8)
- Digital outputs 11 (12)
- Analog inputs 3 (4)

### Logic operation via line based display

The LCC1 climate control is easy to operate with clear menus and function keys.

### Weather station

One common weather station for the net of LCCs. A weather station comes with wind direction and wind speed as standard. It can be expanded with a rain and light sensor.

### The use of more LCC1s

The LCC1 climate control can be used in many different installations such as orangeries, nurseries etc., and more LCCs can be connected in a network.

---

### Distributor:

### Head office:

Senmatic A/S  
Industrivej 8, 5471 Søndersø, Denmark  
Phone: +45 64 89 22 11  
dgtsales@senmatic.com – www.senmatic.com