



# LCC1 TUNNEL CLIMATE CONTROL



## The basic one house climate control for tunnels

### 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
- Easy to operate with clear menus and function keys
- More LCCs can be connected in a network
- Double plastic fan
- Manual operation of gear motor
- Get technical support

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

LCC Tunnel 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 Tunnel 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 Tunnel 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.

The LCC1 Tunnel has built in relays for 1 to 4 gear motors, intended for ventilation systems with built-in overload switches. The relays can be used for manual operation of the gear motor.

### Individual control

LCC1 Tunnel can control the temperature, irrigation and tunnel fan in the greenhouse. Furthermore, you can have one daily forced closure of the vents in a period of time, which is optional.



## SPECIFICATIONS / LCC1 TUNNEL 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) 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 (16 x 12 x 5")
Weight	app. 9 kg (20 lb)

### LCC1 Tunnel essential functions

- 1 Heating valve
- Heating steps / on-off: 1
- 4 Vents for ventilation by gear motors
- 1 screen
- Max. humidity control
- Day / night time zone with individual adjustment of temperature and humidity
- 1 Tunnel fan
- 1 Irrigation valve
- Emergency input
- 1 Alarm output

### I/O

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

### Logic operation via line based display

The LCC1 Tunnel 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 LCC1 Tunnels

The LCC1 Tunnel climate control can be used in many different installations, and more LCCs can be connected in a network.

### Distributor:

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