



# LCC1 TUNNEL CLIMATE CONTROL

- ✓ Increase production output and yield and improve growing precision through accurate control
- ✓ Prevent waste of energy and resources
- ✓ Quick change between more languages on the user-friendly display
- ✓ More LCCs can be connected in a network
- ✓ Double plastic fan
- ✓ Manual operation of gear motor



## The basic one house climate control for tunnels

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 controller.

- LCC1 Tunnel is based on state-of-the-art technology and the actual control is managed by an advanced operating system.
- LCC1 Tunnel features a line-based interface ensuring easy and trouble-free handling.
- It is easy to operate with clear menus and function keys.
- It is possible to connect several LCC1 Tunnel climate controls so that they can share one weather station.
- Get technical support if needed.

### Weather station and sensors

- 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.

### Built-in relays

- 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 tunnel. 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) No direct sun radiation
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)

## 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.

## 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)
- Analogue inputs 1 (4)

## Distributor:

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