



# LCC1 TUNNEL CLIMATE CONTROL



## Logic Climate Control (LCC) user interfaces for intuitive operation

### Highlights

- 1 compartment
- Simple operation via function keys
- Industrial PLC technology and modular hardware/software
- Control of ventilation
- Manual operation of gear motor

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 computers 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 and as power relays for control from the climate computers.

### 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

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### 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)

### I/O

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

### Logic operation via line based display

The LCC 1 Tunnel climate computer is easy to operate with clear menus and function keys.

### LCC1 Tunnel essential functions

- 1 Heating on / off
- 4 Vents
- 1 Tunnel fan
- 1 Irrigation valve
- Emergency input
- Alarm output

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