

DGT LCC1 Tunnel Climate Control Computer

Climate control computer built for tunnel production

The LCC1 Tunnel takes the simple, line-based operation of the LCC1 and adapts the hardware for tunnel growing. Its display and function keys were developed with professional nurseries, so settings stay easy to find.

Its main distinguishing feature is a set of built-in relays for one to four gear motors, intended for ventilation and protected by overload switches. Each motor can be run manually from the controller. A tunnel fan output is included, together with one heating valve, one screen, one irrigation valve, an emergency input and one alarm output. Day and night zones have separate temperature and humidity targets, and maximum humidity control and a daily forced vent closure are available.

Several units can be networked on a shared weather station that supplies wind speed and wind direction and can be extended with rain and light sensors. The housing is IP65 with CAN bus and RS232 communication.

Key capabilities

- Climate computer designed for tunnel production
- Built-in relays for 1 to 4 ventilation gear motors, with overload switches
- Manual operation of each gear motor from the unit
- Dedicated tunnel fan output
- 1 heating valve (1 heating step), 1 screen and 1 irrigation valve
- Day and night time zones with individual temperature and humidity adjustment
- Maximum humidity control
- Optional daily forced closure of the vents for a set period
- Emergency input and 1 alarm output
- Network several units on one shared weather station; rain and light sensors can be added
- Quick language switching on the line-based display

Technical specifications

Supply voltage	100 - 240 V AC, 50/60 Hz
Power consumption	Max. 65 VA
Communication	CAN bus and RS232
Enclosure rating	IP65
Operating temperature	0 - 50 °C, no direct sun radiation
Humidity	0 - 95 % RH without condensation
Dimensions L x W x H	440 x 330 x 130 mm
Weight	Approx. 9 kg

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