

DGT LCC2 Touch Climate Control Computer

The extended single-compartment climate computer

The LCC2 Touch runs every climate function in one compartment from a single compact, IP65-rated unit, operated through a clear touch-screen interface with quick language switching. It is the climate computer Sitetech specifies most often for growers taking a first step into automated climate control.

Its energy balance model calculates heat demand from the K-factor of the house, screen state, air change and lighting, so regulation anticipates conditions rather than chasing them. Cascade vent control opens wind and lee sides together, keeping ventilation effective even at small opening percentages, and the day divides into six time zones that can track sunrise and sunset automatically.

Ethernet communication and an updatable operating system mean the unit grows with the nursery: extra sensors, several LCCs networked together, or connection to SuperLink for central data analysis. A shared weather station with wind speed and direction comes as standard.

Key capabilities

- All climate functions in one compartment
- Heating valves: up to 4 | Vents: 4 (top, or top and side)
- Screens: 2 (or 1 screen + 1 blackout) | CO2 control
- Artificial light: 4 zones | humidity-controlled misting valve
- Irrigation: 1 valve with supply pump program
- 6 time zones (4 day + 2 night) with sunrise/sunset correction
- Energy balance model and cascade vent control
- Triple tariff; 2-step heating and venting for fan heaters or cooling units
- Horizontal air fans (2), temperature- and humidity-activated | ring main control
- Ethernet; connects to SuperLink central control
- I/O: 2 digital in, 18 digital out, 8 analogue in, 2 analogue out

Technical specifications

Supply voltage	100 - 240 V AC, 50/60 Hz
Power consumption	65 VA
Communication	Ethernet
Operating temperature	0 - 50°C, no direct sun radiation
Humidity	0 - 95% RH, without condensation
Protection rating	IP65
Dimensions (L x W x H)	350 x 250 x 130 mm
Weight	approx. 6.5 kg

Sitetech Irrigation Ltd is the main UK distributor for DGT by Senmatic. We specify, install, commission and support every system we supply, and design it into the wider irrigation and climate setup on your site. For sizing, integration or a site visit, call Simon on 07881 271 117 or email simon@sitetech.uk.