

## DGT LCC4 Climate Control Computer

Top-of-range climate control for 1 to 16 compartments

The LCC4 heads the DGT by Senmatic climate range, controlling from one to sixteen compartments from a single unit, with each compartment divisible into two subzones carrying their own local setpoints. Different crops in the same house each get the conditions they need, and adding a compartment carries no software cost.

The energy balance model calculates heat demand from the K-factor, screens, air change and lighting for stable feed-forward regulation, while cascade vent control keeps air exchange effective even at small vent openings. The touch screen supports custom screen layouts, so daily operation stays simple however sophisticated the installation underneath.

Up to eight humidity-controlled misting valves, four artificial light zones with three HPS steps, CO2 control and included software for Senmatic LED fixtures are all part of the platform. Ethernet expansions in small, medium and large I/O sizes scale the hardware, and SuperLink adds central analysis across a networked estate.

### Key capabilities

- Controls 1 - 16 compartments, each divisible into 2 subzones
- No software cost when adding new compartments
- Heating valves: 4 | Vents: 4 | Screens: 1-4 (5-8 by extension)
- CO2 control | Artificial light: 4 zones + 3 HPS steps
- Misting: up to 8 humidity-controlled valves
- Irrigation: 1 valve standard, 2-16 by purchased program
- 6 time zones (4 day + 2 night) with sunrise/sunset correction
- Triple tariff | 4-step heating and venting (2 per subzone) | 2 horizontal air fans
- Set-point changes for the whole network from one central LCC4
- Software for Senmatic LED fixtures included
- I/O expansions: small, medium and large (up to 16 in / 64 out digital)

### Technical specifications

|                        |                                               |
|------------------------|-----------------------------------------------|
| Supply voltage         | 100 - 240 V AC, 50/60 Hz                      |
| Power consumption      | 65 VA                                         |
| Communication          | Ethernet (SuperLink central control optional) |
| Operating temperature  | 0 - 50°C, no direct sun radiation             |
| Humidity               | 0 - 95% RH, without condensation              |
| Protection rating      | IP65                                          |
| Dimensions (L x W x H) | 440 x 330 x 130 mm                            |
| Weight                 | approx. 9 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](mailto:simon@sitetech.uk).