

## DGT Sempleta Small Greenhouse Climate Control

Simple temperature and shade control for small houses

Sempleta is a straightforward controller for small greenhouses, built around two jobs: holding the air temperature and managing shade. It is operated through a short menu, with mode buttons for temperature or light and an Aut./Man. switch.

In automatic temperature control the target is set with the arrow buttons, and up to two sets of windows are opened and closed in pulses to keep the measured temperature near the set value. Shade control uses a photosensor, so the screens close once the chosen light level is reached. Either tubular or gear motors can be driven. Manual mode lets you move screens or windows directly, and forced closing can be set at intervals up to 24 hours.

A gale or rain sensor can be wired for forced closing and a fire alarm for forced opening. The supplied temperature sensor connects straight away, or an RT10 or PT1000 climate sensor can be used. The controller sits in an IP54 impact-proof plastic box.

### Key capabilities

- Two functional areas: room temperature and shade
- Designed for small greenhouses
- Automatic or manual operation selected with the Aut./Man. button
- Temperature set with arrow buttons, windows driven in pulses to stay close to the set value
- Drives up to two window sets using tubular or gear motors
- Light-based screen control using a photosensor (LF2)
- Forced closing at set intervals, adjustable up to 24 hours
- Inputs for gale or rain sensor (forced closing) and fire alarm (forced opening)
- Temperature sensor included, or connect RT10 / PT1000 climate sensor
- Impact-proof plastic box

### Technical specifications

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| Supply                | 230 V AC                                                                 |
| Inputs                | Temperature sensor (included) or RT10; photosensor LF2                   |
| Forced closing input  | Gale / rain sensor, 24 V DC on / off                                     |
| Forced opening input  | E.g. fire alarm, 24 V DC on / off                                        |
| Outputs               | 2 window motor relays (run in parallel), 1 screen motor relay            |
| Max. load             | 2 A, 230 V AC                                                            |
| Motor requirements    | Double-insulated motors with limit switch required                       |
| Enclosure             | Impact-proof plastic box, IP54                                           |
| Operating temperature | 0 - 50 °C                                                                |
| Humidity              | 0 - 95 % RH without condensation                                         |
| Dimensions L x W x H  | 200 x 150 x 80 mm without connectors (200 x 160 x 80 mm with connectors) |

## **DGT Sempleta Small Greenhouse Climate Control**

Simple temperature and shade control for small houses

---

**Weight**

1.5 kg

Sitetechn 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@sitetechn.uk](mailto:simon@sitetechn.uk).