



# SEMPLETA CLIMATE CONTROL

- ✓ Perfect control for small greenhouses
- ✓ Simply attach a temperature or climate sensor
- ✓ Choose between automatic and manual control
- ✓ Precision automatic temperature and luminosity control



## For control of room temperature and shade

Sempleta is a simple climate control with two functional areas for the control of room temperature and shade. Sempleta has been developed for small greenhouses.

### Operation

- Simply connect to the enclosed temperature sensor or, as an alternative, to a climate sensor PT1000 and a rain and wind sensor for controlling the functions.
- The Sempleta contains a simple menu system, where mode-buttons allow the selection of temperature or luminosity functions.
- Automatic or manual operation is selected using the Aut./Man. button

### Automatic control

- When set to automatic temperature control, simply use the arrow-buttons to set the desired room temperature.
- Sempleta is controlling the air temperature by opening and closing up to two sets of windows by means of tubular motors or gear motors.
- Opening and closing is done in pulses, ensuring the difference between the selected and measured temperature is always as small as possible.

- Automatic light control is adjusted by using the arrowbuttons to set the desired luminosity level.
- The sun radiation is measured by the attached photometer and the luminosity level indicated when the screens are to be closed.
- The screens are operated by tubular motors or gear motors, too.

### Manual operation

- Switch to manual operation and choose either 'manual screen' or 'window control' with the mode button, and direct the functions to the desired position using the arrow-buttons.

### Forced closing of windows and screens

- In Automode, Sempleta ensures forced closing according to the set time intervals for forced closing.
- The time interval of forced closing can be adjusted up to 24 hours.



## SPECIFICATIONS /SEMPLITA CLIMATE CONTROL

### Technical specifications

Supply:	230 V AC
Inputs:	Temperatur sensor (included) or RT10. Photosensor LF2 *Forced closing; Gale / Rain sensor (24 V DC on / off) *Forced opening; E.g. firealarm (24 V DC on / off)  *Installation requires skilled craftsmen.
Outputs:	2 window motor relays* (run in parallel) 1 screen motor relay*  Max. load 2 A, 230 V AC Motors with limit switch required. We recommend that motors without thermal cutout are connected with an overload protection.  *Double isolated motor required

### Physical specifications

Casting:	Impact-proof plastic box
Tightness:	IP54
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
Weight:	1.5 kg

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