



SEMPLETA CLIMATE CONTROL



For control of room temperature and shade

Highlights

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

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. Simply connect to the enclosed temperature sensor or, as an alternative, to a climate sensor PT1000 and a photo-electric cell 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 now 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 arrow-buttons 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 also operated by tubular motors or gear motors.

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 / SEMPLETA 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 cut-out 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

Distributor:

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