



WS1000



WS1



Solexa and Arexa

Conservatory Controls

WS1000 and WS1 Conservatory Controls,
Solexa Shading Control, Arexa Window Control



Enjoy your sun room!

Benefit from a pleasant climate in your conservatory

The conservatory control for control of:



Awnings



Blinds



Windows



Heating



**Air extraction/
recirculation units**



Air supply units

**Air conditioners
Alarms
Illumination
Gutter de-icers**

All sorts of people have all sorts of conservatories varying in size location and design. Would you like your conservatory to be the central meeting point and preferred location of the whole family? Would you like to see your splendid plants thrive there?

No matter how you intend to use your conservatory: A conservatory control provides round-the-clock climate control in accordance with your requirements. Shading, ventilation and equipment, such as heating or air conditioners are coordinated automatically.

Shading - more than just protection from the sun

Being completely transparent a conservatory is quickly heated up by the sun. In the winter, this can be used as a benefit to reduce heating requirements. However, when it gets too hot the sunlight exposure must be restricted by a shading.

The conservatory control automatically opens awnings and blinds located at the side of the conservatory where the sun is. As a consequence, rather than being dimly-lit for the whole day the room is supplied with the maximum possible amount of light. In addition, blinds with slats are reversed. Once moved out the slats are opened slightly. As a particular benefit the slats can be opened in accordance with the position of the sun. For this procedure the control opens the slats to an extent that the sun is just prevented from directly entering the room but as much light as possible can enter through the slats. Such reversing in accordance with the position of the sun is possible with the use of the WS1000 control.

When the night falls, the sun protection turns into a visual protection. If required the control shuts the blinds at night fall protecting the conservatory from curious eyes.

In rainy and stormy weather, the control retracts the external shadings to protect them from rain, if made of delicate fabric.

Fresh air in the conservatory

The ventilation ensured by windows or ventilation units does not only supply the room with fresh, unused air but also ensures cooling and helps to prevent excessive air humidity. The conservatory control automatically "knows" the best time for ventilation observing the temperature and air humidity specifications.

A motion detector connected to the control keeps burglars away in case you are out of the house during ventilation: If an alarm occurs the windows will be closed and, if required, the signal forwarded to a protective device.

A heating ensures convenient room temperatures at night time and in the winter. Even air conditioners and ventilation devices are individually integrated in the air conditioning. This helps to avoid a waste of energy as windows and doors close automatically the moment an air conditioning unit starts. The conservatory control helps to realise your personal ideal climate.



Touch-display for easy control

WS1000[®] Conservatory Control

Apart from shading and ventilation the WS1000 also controls heating and air conditioners. For larger conservatories even various climate zones can be realised by installation of additional indoor sensors. Motion and smoke detectors offer more safety and illumination at dawn creates atmospheric lighting.

The touch display offers easy and comfortable operation of the WS1000. A simple touch on the display buttons sets the function and moves the drives. In passive state the current weather is displayed: the sun travelling through the sky, rain or snow. Operation can be even more comfortable by an additional hand-held transmitter (optional extra with 5 channel hand-held transmitter and integrated 12 channel receiver module).

Package content:

WS1000 central unit with 6, 8, 10, 12 or 14 drive groups, integrated indoor sensor

Weather station for report of outdoor temperature, wind speed, precipitation, light intensity, integrated DCF radio clock receiver

Technical specifications central unit:

Dimensions: approx. 250 x 175 x 36 mm (W x H x D)

Concealed switch box: approx. 220 x 125 x 70 mm (W x H x D)

Operating voltage: 230 V, 50 Hz; wattage (stand-by): approx. 10 W

Connectivity and functions:

Drive groups for awnings, blinds and windows; slats reversing for blinds (also in accordance with position of sun)

3 multifunctional outputs for heating, cooling, supply air, alarm systems, illumination or gutter heatings

8 radio channels for Elsner Elektronik ventilation units, air conditioners by the company Daikin and radio switches RF relay

Connectivity

for third party ventilation units (via WGBLventilation modules*),

for up to 2 additional WGTH indoor sensors*,

for motion or smoke detectors*,

for up to 4 external manual keys*



Compact design combined with performance

WS1[®] Conservatory Control

The WS1 is used for control of awnings, blinds or windows through the existing drive groups. The multifunctional output provides heating or cooling control options. Alternatively, an alarm system which is activated via an additional motion sensor can be connected.

Central manual operation of the drives and units is possible. The four-line display provides current weather information and guides through the menu for setting the automatic values.

Installation of a manual key inside the room for control of any drive group is also possible. This allows, for example, operation of a blind by an up/down button located next to the door to the outside.

Package content:

WS1 central unit with 1, 2, 3 or 4 drive groups, integrated indoor sensor (temperature, air humidity)

Weather station for report of outdoor temperature, wind speed, precipitation, light intensity, integrated DCF radio clock receiver

Technical specifications central unit:

Dimensions: approx. 160 x 165 x 66 mm (W x H x D)

Dimensions concealed version: approx. 160 x 165 x 20 mm (W x H x D), Concealed switch box: approx. 127 x 110 x 50 mm

Operating voltage: 230 V, 50 Hz; wattage (stand-by): approx. 15 W

Connectivity and functions:

Drive groups for awnings, blinds and windows; slats reversing for blinds

Multifunctional output for heating, cooling or alarm systems

8 radio channels for Elsner Elektronik ventilation units and air conditioners by the company Daikin

Connectivity

for third party ventilation units (via WGBLventilation modules*),

for a separate WGTH indoor sensor*,

for motion detectors*,

for an external manual key*

*Devices not supplied



For awnings or blinds

Solexa® Shading Control

The Solexa shading control is for opening and retracting an awning or blind dependently of light intensity and room temperature. Outdoor shadings are automatically protected from rain, wind and frost. These alarm functions can be switched off individually. If the blind or awning should not

been shut completely by the automatic system setting of customized shading positions is possible. For blinds an additional slat opening angle can be programmed (reversing).

A group control relay offers simultaneous control of several drives.

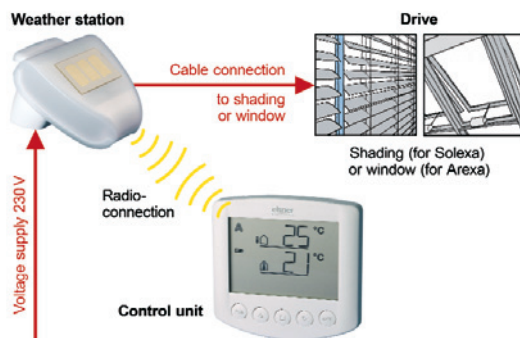


For windows

Arexa® Window Control

The Arexa window control realises your conservatory ventilation. This ensures a controlled air exchange even if no one is at home. The window is opened and closed according to the current room and outdoor temperature. Rain and wind alarms help to protect the equipment. The pro-

tection function can be switched off, if not required. After programming of an opening position the window is only opened to the required extent. Connection of several drives as group is possible. This allows, for example, simultaneous control of a number of roof windows.



Radio connection between weather station and control unit.

Drive is connected to the weather station.

No cabling inside the building required.

Ideal option for retrofitting!

Solexa and Arexa Controls

Package content:

Control unit (battery-operated) with integrated indoor temperature sensor. With keys for manual control and setting and display for weather information, alarm and mode.

Weather station for report of outdoor temperature, wind speed, precipitation and daylight intensity. The weather station comprises a combined mounting bracket for wall and pole mounting; a hinge arm mounting is available as an option.

Technical specifications:

Dimensions operating unit: approx. 103 x 98 x 28 mm (W x H x D)

Weather station: approx. 96 x 77 x 118 mm (W x H x D)

Operating voltage weather station: 230 V, 50 Hz