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INSTALLATION AND OPERATION INSTRUCTIONS

RETRACTABLE SIDE SCREEN SIDELINE

July 2008





INSTALLATION AND OPERATION INSTRUCTIONS

RETRACTABLE SIDE SCREEN SIDELINE

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1. SAFETY NOTES, WARNINGS AND MOUNTING INFORMATION

1.1 EXPLANATION OF THE SAFETY NOTES

Safety notes and important information are integrated in the text as appropriate. The following symbols are used to alert the reader/user of the instructions.



This symbol means that the relevant note is important for the safety of persons or for the function of the retractable side screen.



This symbol highlights important product information for the installation engineer

1.2 GENERAL SAFETY INFORMATION



The WO&WO retractable side screen SIDELINE has been designed and manufactured in conformity with DIN EN 13561. However, when the awning is mounted or operated, the persons involved in the respective activity may be put at risk if the relevant instructions are not observed.



Only qualified and duly specialised companies or trained specialist personnel may be permitted to mount the awning.



Always observe the information and notes in the installation and operation instructions. A failure to observe the relevant information will render the manufacturer's liability null and void.



The safety-at-work and accident prevention regulations specific to each country must be complied with. In particular, a person performing special work at height must be suitably secured. Always observe the information on the product, the packaging materials and in this installation manual.

2. INSTALLATION

2.1. TOOLS, RESOURCES AND MATERIALS

- (Percussion) drilling machine
- Drill bits, suitable for the drilling substrate and the mounting pieces
- Ratchet (catrake) with extension, SW 13 and SW 17 sockets (if M12: SW 19)
- SW 4, SW 5 and SW 6 Allen keys
- Fork spanner SW12 (changing of the cloth dispensing direction)
- Spirit level for alignment

2.2. PREPARING THE INSTALLATION



Check the dispensing direction of the retractable side screen. If it is on the wrong side, the bracket, handle and roller mounting can be changed over as described in Item 2.4.

Secure the installation zone (the secured zone must be at least equivalent to the size of the fully deployed retractable side screen).

Prior to the installation, check whether the installation base for the puller locking element is as stated in the order. If significant differences make the safe installation of the locking element or the housing seem doubtful, please consult the manufacturer of the system and a mounting/installation specialist.



A failure to observe the above may result in faulty function and put the health of persons at risk!

2.3. WIND RESISTANCE CLASSES

Definition:

DIN EN 13561 Item 4.3. provides for a classification of awnings according to wind resistance classes.

Wind class 0	undefined, product not tested or unsuitable		
Wind class 1	light breeze	4 (Beaufort scale)	20-28km/h
Wind class 2	fresh breeze	5 Beaufort scale)	29-38km/h
Wind class 3	strong breeze	6 (Beaufort scale)	39-49km/h

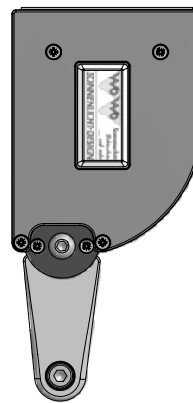
Classification of the WO&WO retractable side screen:

The classification of the WO&WO retractable side screen is wind class 1.
 However, this does not apply to the installation of the locking element with the lawn mandrel. In this case, the classification of the installation type is wind class 0.

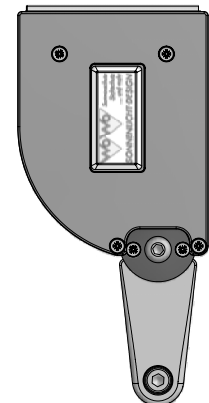
2.4. CHANGING OF THE CLOTH DISPENSING SIDE

The retractable side screen is delivered with the cloth dispensing side on the right or left, as stated in the order.

To change the cloth dispensing side, the brackets, the handle and the roller have to be changed over.



Cloth dispenses on the left



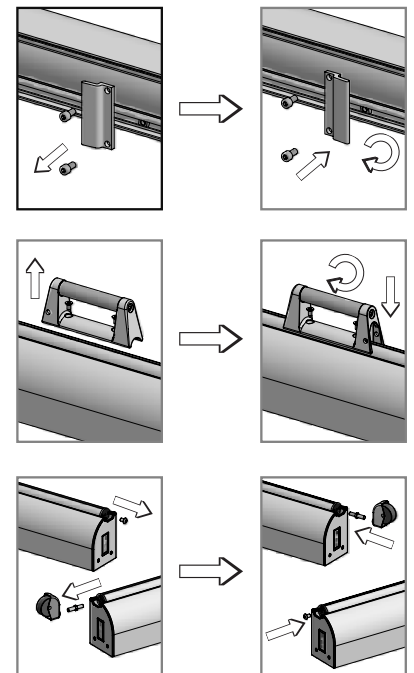
Cloth dispenses on the right

i Only change cloth dispensing side of the system in closed condition!

- Loosen screws of the housing brackets.
- Turn housing brackets 180 degrees.
- With the cylinder head screws and square nuts, fasten housing brackets in the same position on the housing.

- Take handle off the puller with SW4 Allen key and mount the other way round. The handle hook-up point should be at approximately half the system height (adjustment of the handle height according to Item 3.2.).

- Pull roller off the roller axle
- Turn pin with SW12 fork spanner from the end cap.
- Turn the rounded head screw from the end cap with SW5 Allen key.
- Install the roller axle and the rounded head screw in the opposite puller end cap.
- Put roller on roller axle.



2.5. INSTALLATION HEIGHT

The housing of the retractable side screen must be mounted in vertical position to ensure a good winding behaviour of the cloth and tidy closing of the puller with use of the roller.

The bracket installation heights must be transferred from the back of the housing. To do this, insert wall brackets in the housing brackets. At the bottom side, consider the 50mm clearance and transfer the bore positions to the wall with distances X and Y.

If the roller is not used, it is possible to mount the housing closer to the floor.

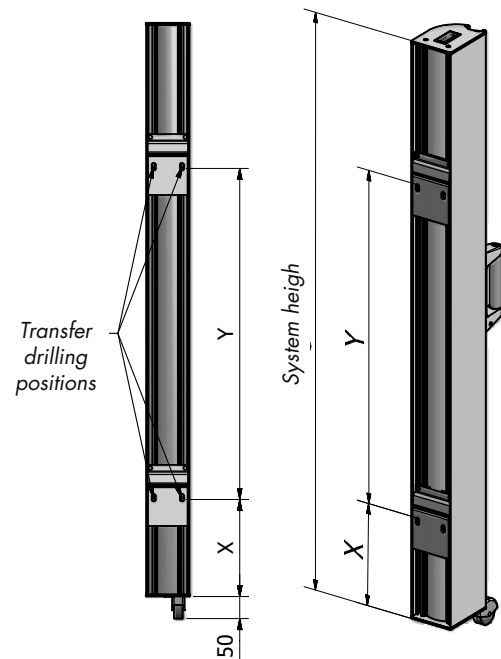
Drilling holes for the brackets:

Transfer the drilling outlines of the brackets to the determined bracket positions.

Select the appropriate drill bit and suitable mounting materials for the respective base material and mounting method.



Only a vertical installation as shown in the accompanying figure is permissible for the intended use of the retractable side screen!

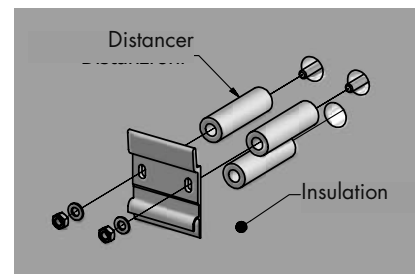


2.6. MOUNTING TECHNIQUE

Mounting on thermally insulated facades:

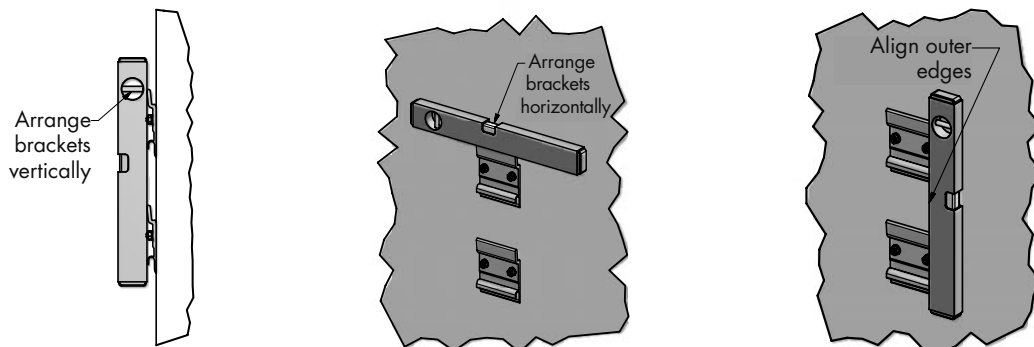
Insulating plaster and full multi-layer thermal insulation are not pressure stable. Therefore, it is necessary to use backing for the entire surface, or at least backing by means of distancers in the area around the screws and centrally on the bottom side.

The accompanying figure explains a possible variant which is additionally supported on the bottom side.



Bracket mounting:

The two brackets must be aligned in all directions with the spirit level. Even out irregularities of the base by using suitable spacers.



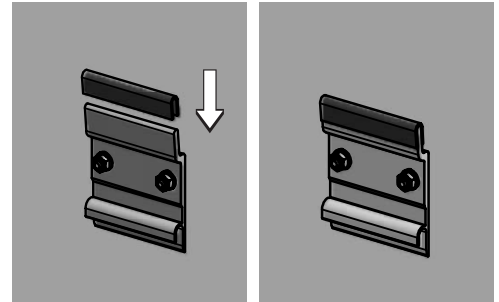
Finally, set the brackets in the long holes to the measured distance Y, tighten all screws well and check that the brackets are firm.

2.7. FASTENING THE AWNING

i Larger systems with greater weight (defined on the packaging) may require 2 persons to hook up the housing!

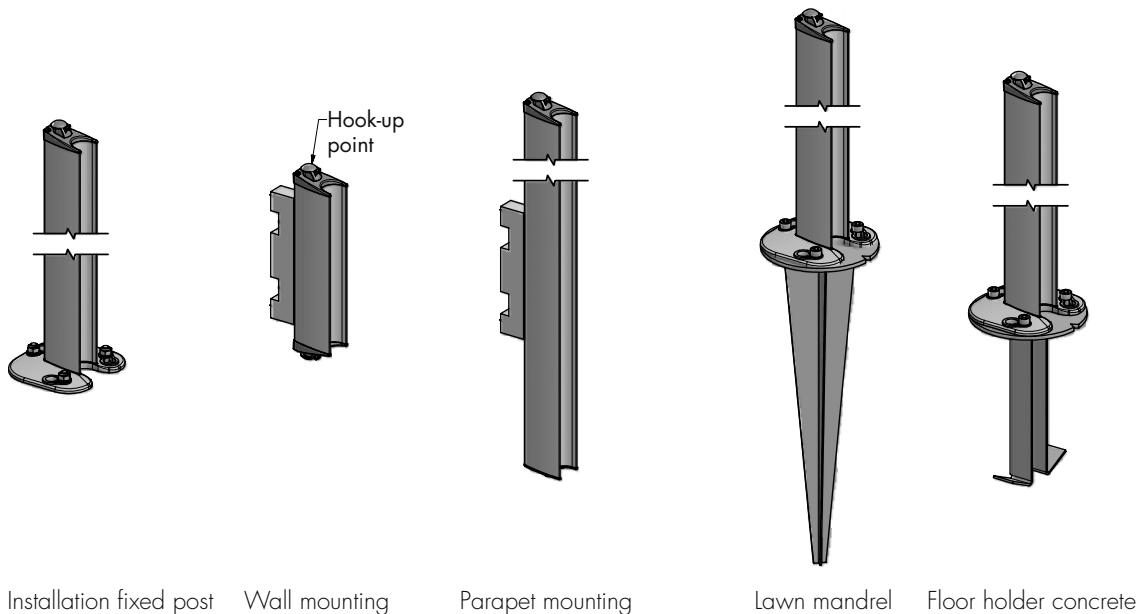
- Apply cushioning rubber on the wall brackets.
- Lift retractable side screen with the housing brackets over the wall brackets.
- Hook up housing on the wall brackets.
- Push housing firmly down.

Now the awning is sufficiently secured.



2.8. MOUNTING THE LOCKING ELEMENT

Depending on the installation situation, different puller locking element variants are used. However, the puller should be pulled straight from the housing irrespective of the installation type. Mount the puller locking element with the mounting materials that suit the base material.



Installation fixed post

Wall mounting

Parapet mounting

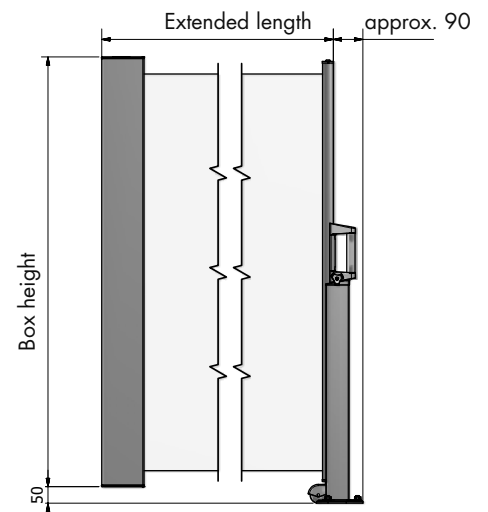
Lawn mandrel

Floor holder concrete

i For wall installation applications, the point for the locking element should be at half the system height. For the other installation types, the profile of the locking element is arranged to suit this height.

! The locking element must always be firmly anchored!

The distance from the locking element to the housing depends on the extended length of the system and is measured as shown on the right.

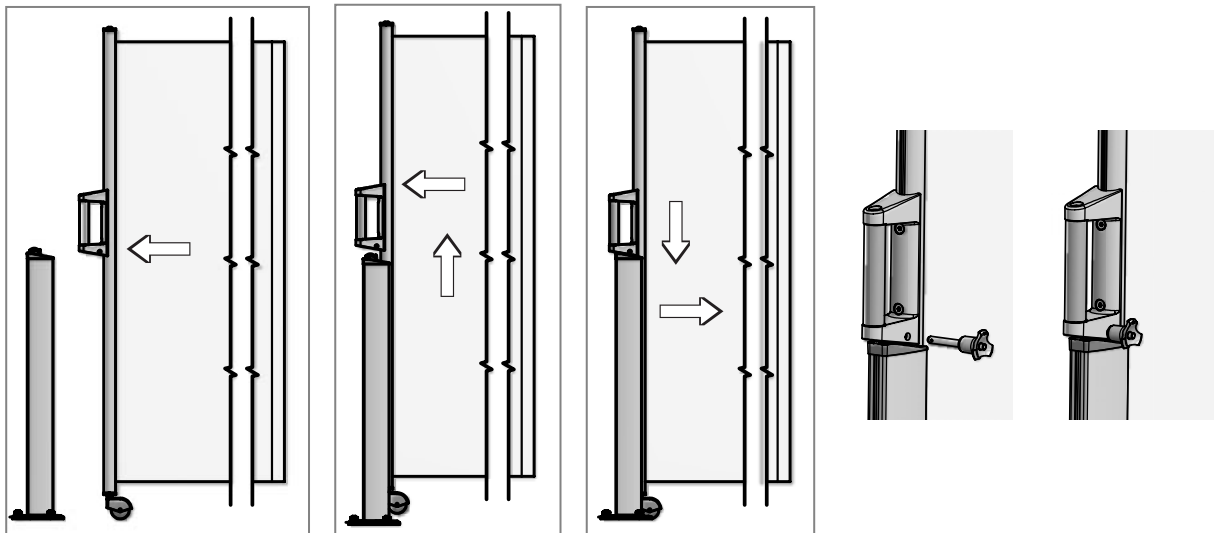


3. INITIAL OPERATION

3.1 EXTENDING THE AWNING

Before the initial operation of the awning, remove all objects (e.g. ladders, tools etc.) from the full travel range (in/out) of the awning. During the trial operation, ensure that nobody is in this area – there is a risk of injury in case of a malfunction.

- Pull out the puller all the way to the locking element and hook up the handle as described in the following.
- Pull the handle over the end cap, always ensuring that the puller engages in the post.
- Push handle down until it rests on the end cap.
- Push back until the handle locks.
- Push the securing bolt through the bore in the handle (for this purpose, press the button on the handle to release the balls).



CAUTION1 If you let go of the puller without first hooking in the handle, the puller may retract violently and damage the system or a person standing in its way.

CAUTION1 Always insert the securing bolt. Otherwise the handle can come off the hook due to an operation error!

3.2. ADJUSTING THE HANDLE HEIGHT

The height of the handle must be set to suit the height of the hook-up point. For this purpose, slightly loosen the two countersunk screws. Adjust the height of the puller until the cloth is straight and evenly taut. Now firmly tighten the countersunk screws.


3.3. RETRACTING THE AWNING

To retract the awning, proceed as described in Extending the awning (Item 3.1.) but in the inverse order.

Do not let go of the puller until it rests against the housing. A violently retracting puller may damage the system or cause personal injuries.


3.4 COMPLETING THE INSTALLATION / TRANSFER TO THE CLIENT

- Clear site. Remove packaging materials from site and dispose according to local regulations.
- Hand all awning installation and operation instructions to the client.

 Give client comprehensive instructions about the operation of the awning. Failure to observe the instructions and incorrect operation can result in damages to the awning and accidents. Notify client of the wind resistance class of the awning.

 The product identification as per Item 6.7 must be filled in completely and signed by the installer or the dealer!

4. DISMOUNTING THE AWNING

 Ensure that the area around the awning is free of unauthorised personnel. Dismount the awning exclusively in retracted condition.

- The awning must be in retracted state.
- Pull housing up and off the wall brackets.

5. TROUBLESHOOTING

ART DER STÖRUNG	URSACHE	FEHLERBEHEBUNG
Puller does not close fully	Cloth does not wind up straight on the shaft	Pull out puller and ensure that cloth winds up straight
		Maybe the roller cannot be used for guiding and the puller must be lifted slightly
		Make puller retract into the housing with slightly more vigour
Cloth is askew and there is no proper tension on one side	Installation height of the handle is not right	Adjust handle installation height as described in Item 3.2
	Installation height of the housing is not right	Adjust the height of the housing brackets accordingly

6. OPERATION OF THE RETRACTABLE SIDE SCREEN SIDELINE

6.1. BASIC INFORMATION ABOUT OPERATION



The exact knowledge of these operation instructions before the initial operation of the products is a condition to achieve lasting trouble-free operation.

For the safety of persons, it is important to observe these instructions. Always observe the information and notes in the operation instructions. A failure to observe the relevant information will render the manufacturer's liability null and void.

Please also observe the notes on the product and on the packaging.

We recommend that you keep the installation and operation instructions safe and pass them on to the new owner if you decide to resell your retractable side screen.

6.2. SAFETY

-  Use the product exclusively if it is in technically faultless condition and in accordance with the regulations, always being aware of all safety requirements and risks and observing these operation instructions. Faults that may compromise safety must be removed immediately.
-  As the system is spring-loaded, the locking element must always be firmly anchored as described in Item 2.8 in order to prevent a violent retraction of the puller!

6.3. INTENDED USE

The primary uses of the WO&WO retractable side screen are to provide protection against sunlight, to provide a visual barrier and to provide protection against the wind up to the wind speeds defined in the wind classes (Item 2.3.).

Any other use or application over and above the aforesaid is deemed to be a non-intended use.

The manufacturer does not accept any liability for damages resulting from non-intended product uses.

Without the manufacturer's approval, it is not permitted to make any changes, additions or conversions of the retractable side screens.

Faulty parts of the retractable side screen must be replaced immediately.







Use only original spare parts approved by the manufacturer. If parts are purchased from a third-party supplier, there is no guarantee that they are designed and manufactured for the relevant load and safety requirements.

Any additional loading of the retractable side screens by hanging up objects or with guy wires may result in damages or malfunctions of the retractable side screen and is therefore not permitted.

Installation and maintenance work must be performed exclusively by qualified personnel.

WO&WO Sonnenlichtdesign GmbH & Co KG does not accept any liability for damages resulting from a non-intended use of the product.

6.4. OPERATION


-  Only persons who have been instructed by qualified personnel are permitted to operate retractable side screens. Always ensure that children do not operate the awning without supervision.
When extending or retracting the awning, do not reach into the housing (risk of squeezing).
 - Do not place heavy objects on the awning cloth or subject it to other similar loads.
 - Do not attach any toys, objects or weights to the retractable side screen.
 - Do not lean objects such as a ladder against the awning.
-  It is recommended to retract retractable side screens in the evening and before a period of absence.
-  If the wind force exceeds the stated wind class (Item 2.3), the retractable side screens must be retracted.
-  If the cloth of the awning is moist or even wet, extend the retractable side screen as soon as possible to dry the cloth (risk of spotting, formation of mould, damage to the awning cloth and the seams).
-  Only extend and retract the retractable side screen as described in Items 3.1 and 3.3. If the puller is in the locking post, always insert the safety bolt.
-  If the retractable side screen is closed, the safety bolt can be kept safe by inserting it in the handle after retracting. Alternatively, it can be attached to the post of the locking element using the supplied rope.



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6.5 CLEANING AND SERVICE

-  To clean the awning, do not use high pressure cleaners or scouring agents and scrubbing sponges!
Do not use solvents such as alcohol or petrol!

Cleaning the product


Remove dirt from the retractable side screen with a soft brush or a hand brush.

Clean the cloth of the awning with a gentle liquid detergent and rinse thoroughly with cold water.

The body of the retractable side screen can be cleaned with a commercially available cleaning agent and wiped off with a moist cloth.

The cloth of the awning must dry after cleaning.

6.6. MAINTENANCE

-  The safe and risk-free use of the retractable side screen can only be guaranteed if the system is checked and maintained regularly.

Check the retractable side screen regularly for signs of wear and damages to the covering, body and locking element.

If you discover any damages, please ask the dealer or a suitable service company to repair the product.
Do not use a retractable side screen that is in need of repair.

6.7. PRODUCT IDENTIFICATION

To make it easier to handle future questions or suggestions about the product, the dealer should document the product data.

Product name:	Retractable side screen SIDELINE
WO&WO order number:	
Installation date:	
Handed over by / on: (Dealer's signature)	



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6.8. CE CONFORMITY - EC DECLARATION OF CONFORMITY ACCORDING TO EC DIRECTIVES 98/37/EEC AND THE EU CONSTRUCTION PRODUCT DIRECTIVE 98/106/EEC



WO&WO Sonnenlichtdesign GmbH & Co KG
Hafnerstrasse 193
A – 8054 Graz

herewith declares that the systems/products described in the following comply with the basic safety requirements, with Annex 1 of the machinery directives 98/37/EEC and with the EU construction product directive 98/106/EEC.

This declaration is invalidated if the system or product is put to any other than its intended use and/or if the system or product is changed unless such change was agreed in advance with the manufacturer.

Name of the product: RETRACTABLE SIDE SCREEN SIDELINE

Conformity procedure: EU directive 98/37/EEC Annex 1
EU construction product directive 98/106/EEC

Conformity with the following directives: 98/37/EEC Machinery directive

Applied standards: EN 13561 "Awnings - Performance and safety requirements"



The declaration does not guarantee any properties. The safety information in the supplied product documentation must be observed.

Prok. Robert Hödl
Board of Management

Graz, July 2008

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