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1 • General

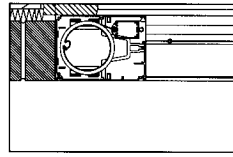
Fixscreen® 100^{EVO} Slim consists of:

- Square box with demountable fabric roller with motor control.
- Each screen system has a pair of identical side channels
- High-value polyester –or glass fibre fabric, with Fixscreen® technology (wind tight technology due to the combination of a symmetrical zip and a patented wear-resistant HPVC inner-rail)
- A retractable bottom bar, with extra load, which guarantees a fluent guidance of the fabric during rolling-up and rolling-down

2 • Three types of installation methods

Installation method 7

Surface-mounted

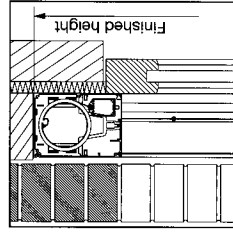


In front, of the window, with box

Fixscreen® is mounted on side channels and positioned in front of the window or structure (extra fixation of the box is needed)

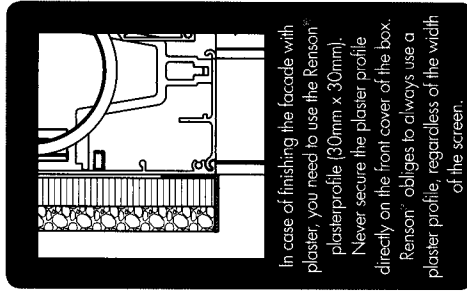
Installation method 7

Hidden installation with box



In front/above, of the window, with box

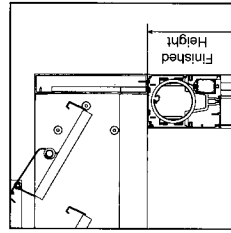
Fixscreen® is mounted on side channels and positioned in front/above of the window (extra fixation of the box is needed)



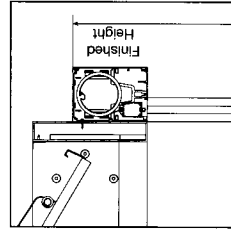
In case of finishing the facade with plaster, you need to use the Renson® plaster profile (30mm x 30mm). Never secure the plaster profile directly on the front cover of the box. Renson® obliges to always use a plaster profile, regardless of the width of the screen.

Installation method 7 F (freestanding)

Freestanding position (IM7 F)

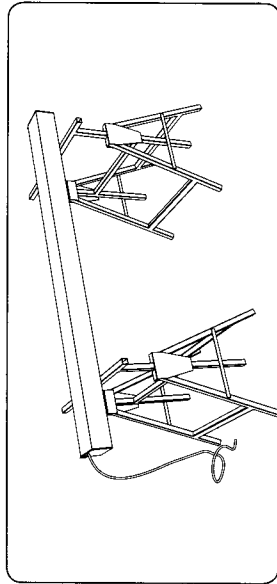


Freestanding, with box



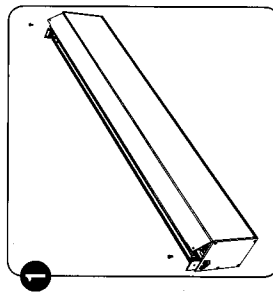
Fixscreen® 100^{EVO} Slim F is mounted, in freestanding position, in combination with an existing terrace covering or Algarve® (extra fixation of the box is obligatory)

3 • Prepare installation

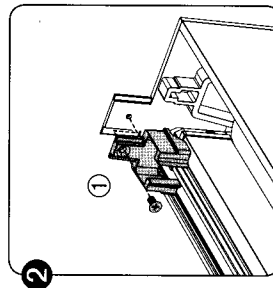


We strongly advise to install the box without the fabric roller. Take the box and the rolled fabric out of the packaging. Place the box on a mobile workbench. For a secure mounting, use and maintenance of your screen, you should take into account sufficient regulations (do not work on ladders and wear safety clothes and shoes).

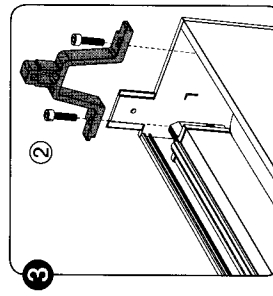
4 • Take out the fabric roller with bottom rail



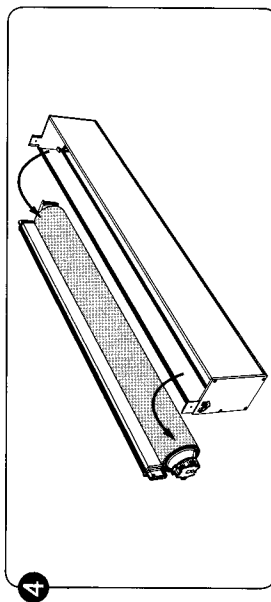
Demount the cover plate from the box. Place the cover plate at a dry place.



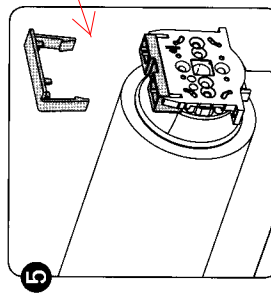
Unscrew the guiding piece ① which is used for guiding the bottom rail into the box.



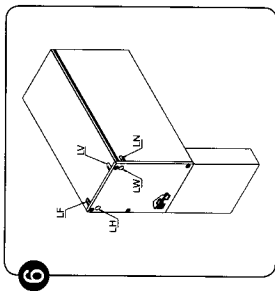
Undo the U-piece ② in order to remove the fabric roller from the box.



Pull gently the fabric roller out of the box, holding both ends of the box. Due to the Connect&Go® you do not have to struggle with the electric cable.

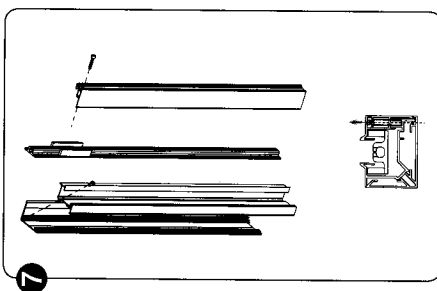
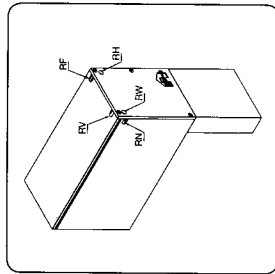


Install the black cover cap on the Connect&Go® plug, on the side of the fabric roller. In this way, the connecting pins are protected.



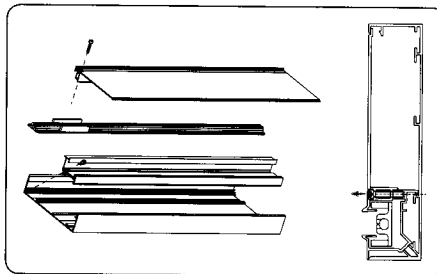
6

In case the power supply is taken from indoors, drill a hole of 10 mm, to gain access inside the building/construction, in function of location of cable feed: (F, H, N, W, & V).



7

Side channel 'G'



8

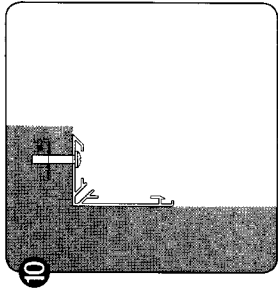
Side channel 'D'

The PVC innersail extends in comparison to the aluminum innersail. In case the side channels are shortened, take into account the same overlength for the PVC innersail!

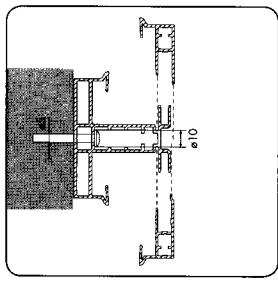
Demount the 3-part side channels and in case of a coupled screen also the coupling side channel.

9 The back part of the side channel is not pre-drilled. The intermediate part of the side channel is pre-drilled (see image above). As installer you need to drill the holes for the back part: holes of 10 mm (first chamber) and 5 mm (second chamber).

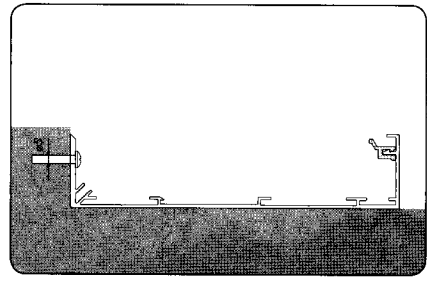
- Maintain maximum 100 mm clearance from the top and bottom of the side channel and allow a maximum distance of 750 mm between sequential holes.
- The drillings need to be done as straight as possible to guarantee a good fastening of the side channels (certainly in case of high wind load)
- In case of side channel 'D' we strongly advise to drill the hole from outside. Take into account that in case of installation method 7 (hidden installation), the side channels are integrated into the façade.



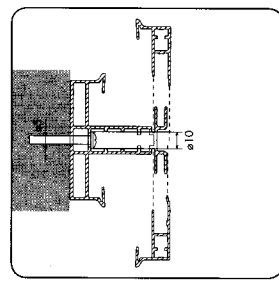
Mounting of side channel 'G' through the backside (ø5mm)



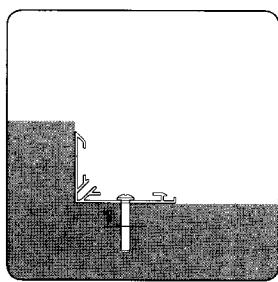
Mounting of coupling side channel 'K' through the backside



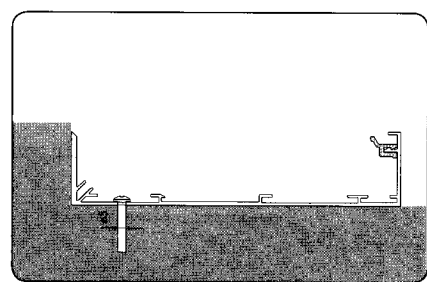
Mounting of deep side channel 'D' through the back (ø5mm)



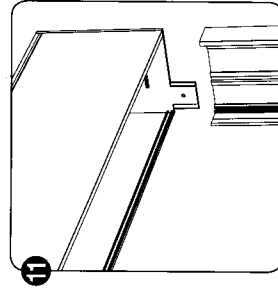
Mounting of coupling side channel 'K' through the backside



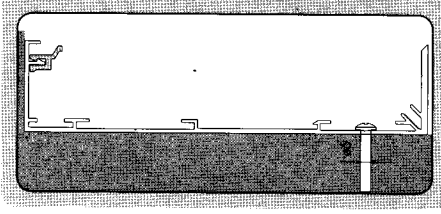
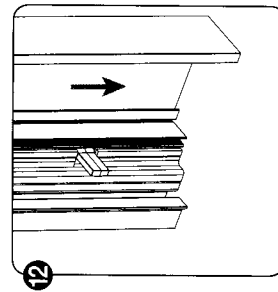
Mounting of side channel 'G' sideways (ø5mm)



Mounting of deep side channel 'D' sideways (ø5mm)

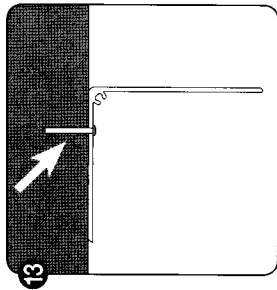


Slide the box into the back part of the side channel. Secure the box to the side channel using Allen key 2,5 (DIN 915 M5x10). Do this at both sides. Pay attention that the cable cannot be clamped. Tighten the screws as much as possible in its final position. Be aware that the left hand side and right hand side of the side channels is in its correct location. The clicker is positioned at the bottom of the side channel.

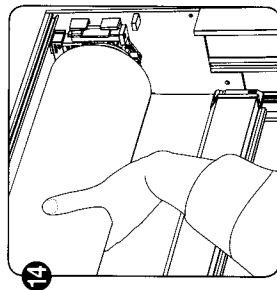
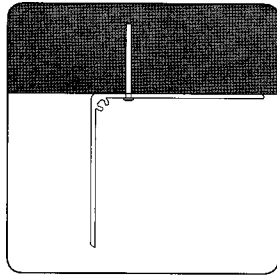


Warning! In case the box is installed vice versa (for example in case a mosquito screen is installed between the window and the screen/fabric). Pay attention that the window can be opened in the full width/height in order to adjust the upper and lower limits in case of a mechanical motor!

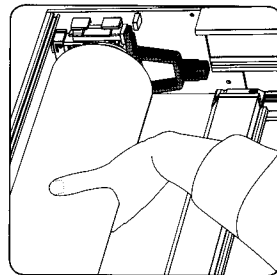
- o Single screen: Limit adjustment at the side of the motor
- o Coupled screen (1 or 2 motors): Limit adjustment on both sides of the screen



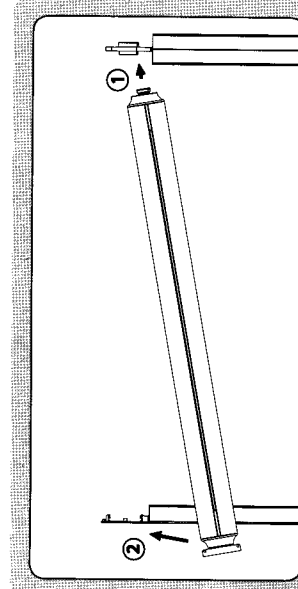
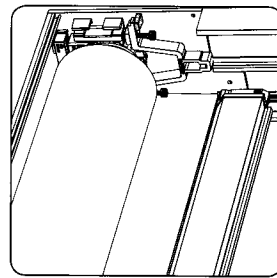
We strongly advise to secure the box to the window or construction by using counter sunk screws and washers.
Avoid each contact with the fabric on the left hand side and right hand side.



Slide the fabric roller back into its original position, with the screen downward.
Due to Connect&Go® this handling goes smoothly.

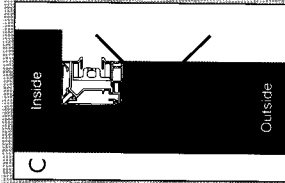
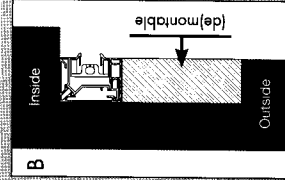
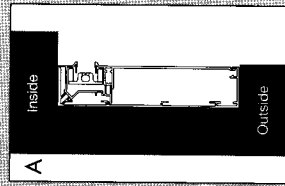


Attention! Hold the fabric roller in its position during remounting. Reposition the U-piece & secure it. Tighten the screws of the U-piece.



Slide the fabric into the internal HPVC channel.
Bring the reinforced inner-rail in the intermediate side channel.

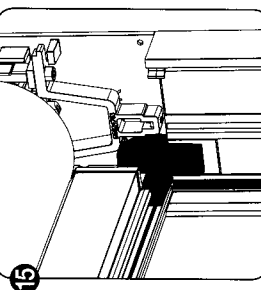
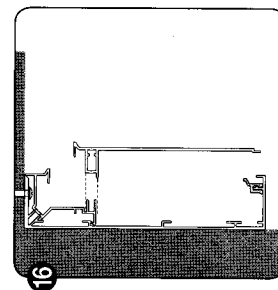
For a coupling side channel, first fit the fabric roller into coupling piece ①. Then slide the roller into support piece ② and secure the support piece to the end covers.



Remark:

When using side channel D (standard for installation method 7), the (dis)mounting of the fabric roller is still possible (detail a). When using side channel G it is possible to finish according to detail b. When finishing (according to detail c) the fabric roller cannot be disassembled. See technical file

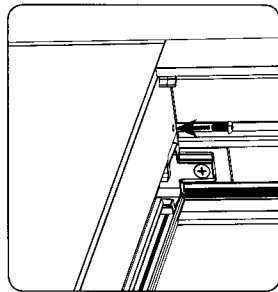
To be able to disassemble the fabric roller barrel from beneath, the client must foresee something underneath the headbox that can be dismantled when choosing the narrow side channel G. The dimensions of this piece of cladding must be: a minimum width corresponding with the depth of the box minus the depth of narrow side channel and a minimal height of 700 mm in case of maximum width of 4000 mm, single screen.



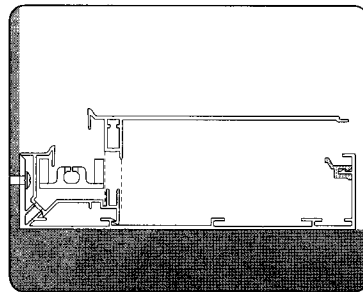
- Re-install the intermediate part of the side channel in the back part of the side channel.
- These 2 parts need to be positioned tightly enough to each other before screwing.
- Make sure both side channels are well aligned with each other before screwing the intermediate part into the back part.

Screw the guiding piece (for guiding the side channels) back in its former position.

5 • Seal the box



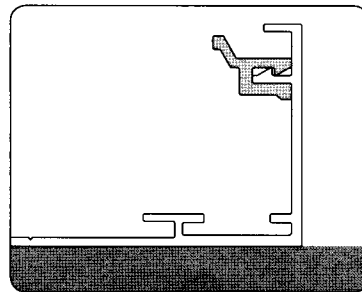
Place the cover plate in its former position and screw the plate on the U-piece. Do this on both sides of the screen.



- Screw the front part to the back part of the side channel to complete.
- Check that the fabric moves unhampered and tension-free in the HPVC inner-rail.
- While setting the end upper limit of the motor, be aware that the bottom bar is hidden into the box, but without touching the fabric!

Pay attention!

The bottom bar is retractable.
So pay attention that the bottom bar does not hit the fabric during the upper limit setting.



In case of a deep side channel, the front part is supported by black clips, applied each 400 mm.

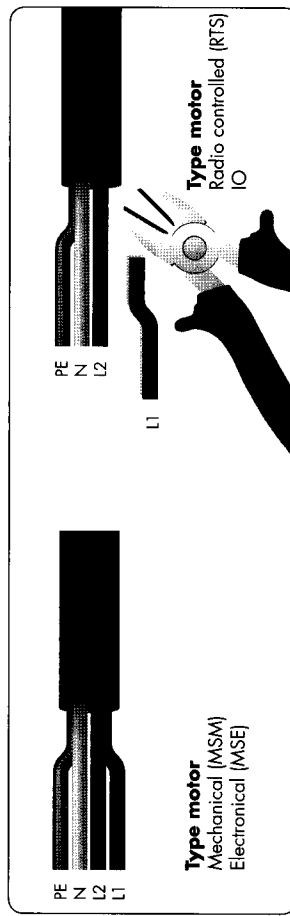
6 • Electrical operation

6.1 • Technical features of the motor

Category	Rating
Power supply	230 Volt AC
Current	0,4 to 1.5 Amps (depends on motor type)
Output	90 to 300 Watt (depends on motor type)
Protection class	IP 44
Max. operating time	Approx. 3 ÷ 5 minutes

6.2 • The features of the electrical power connection

Kategorie	Bewertungsrichtlinie
Residual-current device	300mA
Use separate circuit breaker	10 Ampère (Max. 8 Motors per circuit breaker) See specifications for rated current of the Somfy® motor (technical data)

6.3 • Connection of the black cable with UV resistant sheath
(type: RR-F/RN-F)

In case of a radio-controlled motor (RTS) or IO Home motor, the black wire needs to be cut (the black wire does not have a functionality in case of this type of motors)

Codification cores	
Blew core	N (Neutral)
Black core	L1 (Direction 1)
Brow core	L2 (Direction 2)
Yellow and green core	PE (Earth)