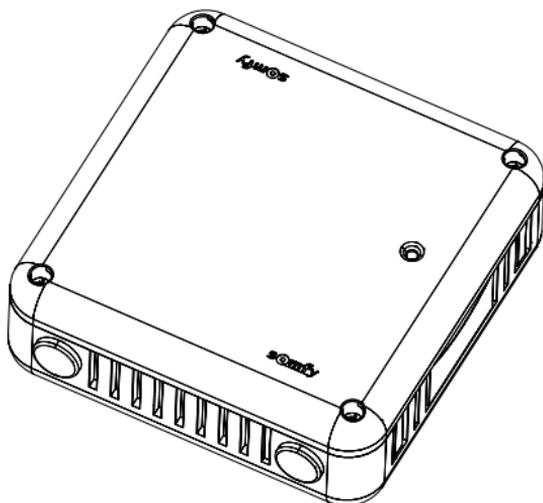


Power 4x2.5 DC RTS Receiver



- FR** Notice d'installation et d'utilisation
- EN** Operating and installation guide
- DE** Installations- und Gebrauchsanleitung
- NL** Installatiegids en handleiding
- SV** Installations- och bruksanvisning
- DA** Installations- og betjeningsvejledning

FR**Notice d'installation****page 2**

Par la présente, Somfy déclare que l'appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE. Une déclaration de conformité est mise à disposition à l'adresse internet www.somfy.com/ce.
Utilisable en UE CH et NO.

EN**Installation instructions****page 16**

SOMFY hereby declares that this product complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity is available at the web address www.somfy.com/CE. Suitable for use in EU, CH and NO.

DE**Gebrauchsanleitung****Seite 30**

Hiermit erklärt SOMFY, dass sich dieses Produkt in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. Eine Konformitätserklärung ist unter der Internetadresse www.somfy.com/ce verfügbar. Verwendbar in der EU, der Schweiz und Norwegen.

NL**Installatiegids****blz 44.**

Bij deze verklaart Somfy dat het product voldoet aan de essentiële eisen en aan de andere beschikkingen van richtlijn 1999/5/CE. Een conformiteitsverklaring staat ter beschikking op de website www.somfy.com/ce.

Te gebruiken in de EU, Zwitserland en Noorwegen.

SV**Installationsanvisningar****sida 58**

Härmed intygar Somfy att produkten uppfyller huvudkraven och övriga relevanta bestämmelser i direktivet 1999/5/EG. Ett CE-dokument finns på Internetadressen www.somfy.com/ce. Gäller i EU, Schweiz och Norge.

DA**Monteringsvejledninger****side 72**

Hermed erklærer Somfy, at apparatet er i overensstemmelse med de væsentlige krav, samt med de andre relevante bestemmelser i direktivet 1999/5/CE. En CE erklæring kan konsulteres på internetadressen www.somfy.com/ce.

Anvendelig i EU, CH og NO.

SAFETY AND IMPORTANT INFORMATION

- This Somfy product must be installed by a professional motorisation and home automation installer, for whom these instructions are intended.
- Before installation, check that this product is compatible with the associated equipment and accessories.
- These instructions describe how to install, commission and use this product.
- Moreover, the installer must comply with current standards and legislation in the country in which the product is being installed, and inform his customers of the operating and maintenance conditions for the product.
- Any use outside the sphere of application specified by Somfy is not approved. Such use, or any failure to comply with the instructions given herein will invalidate the warranty, and Somfy refuses to accept liability.

PRODUCT DESCRIPTION

The Power 4x2,5 DC RTS Receiver is a receiver with integrated power supply and equipped with Radio Technology Somfy (RTS).

It allows 24V \pm wire operated motors to work with the Somfy range of control points and sensors equipped with Radio Technology Somfy (RTS).

ENVIRONMENT



Damaged electric products and batteries should not be disposed of with normal household waste.

Make sure to drop them in specially provided containers or at an authorized organization that will ensure they are recycled

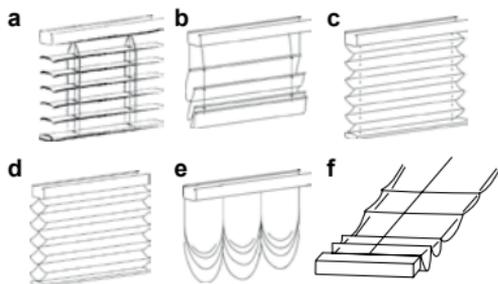
A COMPATIBLE APPLICATIONS

1) Compatible controls

The Power 4x2.5 DC RTS Receiver is compatible with all Somfy RTS transmitters with a maximum of 40 transmitters and 6 sensor per DC RTS Receiver.

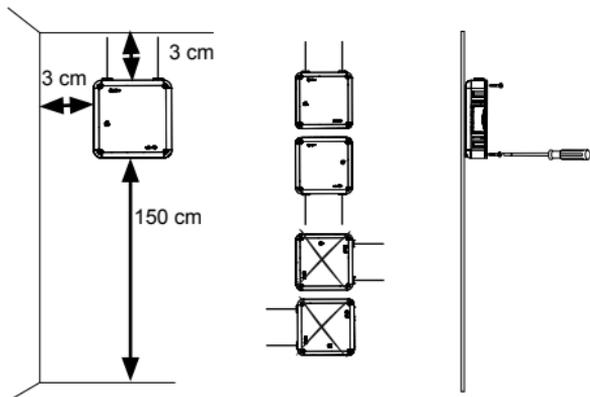
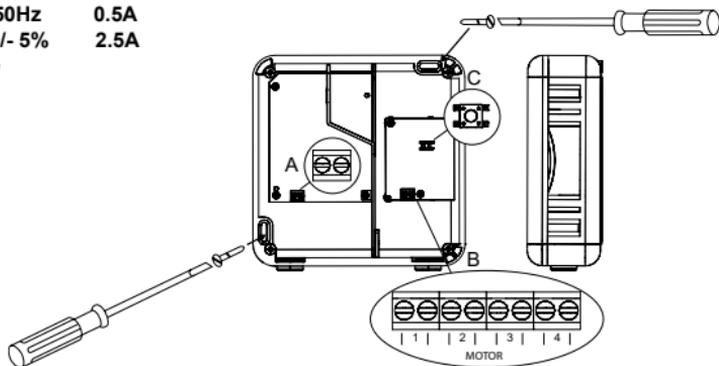
2) Compatible blinds:

- a. Venetian blinds
- b. Roman shades
- c. Pleated shades
- d. Cellular shades
- e. Ballon shades
- f. Pinoleum shades



B INSTALLATION AND WIRING

- A : 198 - 255V ~ 50Hz 0.5A
- B : 24V --- TBTS +/- 5% 2.5A
- C : PROG -Taste



A few definitions

- Choosing the type of mode :** p22
The Power 4x2.5 DC RTS Receiver is designed to work with 2 modes:
Venetian blind mode or roller blind mode.
The Power 4x2.5 DC RTS Receiver is set by default to work in roller blind mode.
This feature allows setting the Power 4x2.5 DC RTS Receiver to be set according to the type of blind you are working with.
- Motor rotation direction :** p22
It is possible, during installation or future adjusting, to change the rotation direction of the motor with the remote control. This will allow to link the upward motion of the blind with the raise button on the remote control.
- Tilting using the Mod/Var scroll wheel :** p22
This feature can only be used with a Mod/Var remote control.
It allows to associate the direction of the scroll wheel with the desired orientation of the slats.
- Timer setting for raising and lowering of the blind :** p24
The objective is to adjust the operation time of the blind when raising and lowering. It does not replace the limit switches.
This adjustment allows optimising the blind operation and to set automatically a My position. Without this, the My position can not be used.
- Sun sensor operation:** p23
This feature can only be used in the roller blind mode.
It is possible to use a RTS sunlight sensor to automatically operate the blind (ex: close the blinds when the sun comes out).
For the sensor to operate at its best the parameters can be adjusted.
- My position:** p25
The My position corresponds to the user's favorite position of the blind in given situations: for example, adjusting the position of the blind in order to work on your computer in mid-day by lowering the blinds half-way, etc...
- Setting the slat speed tilting fonction:** p26
This feature can only be used with a standard 3 buttons remote control and in the venetian blind mode.
To orient the blades on a Venetian blind, you can press-and-hold the up and down buttons on the remote control. The tilting speed can be adjusted.
- Adjusting the scroll wheel movement on the remote control:** p26
This feature can only be used with a Mod/Var remote control.
To tilt the slats on a Venetian blind, you can use the scroll wheel on the Mod/Var remote control. This feature allows the scroll wheel sensitivity to be adjusted.
- Disappearing sun position:** p27
This feature can only be used with Venetian blinds.
It allows the slats to be set an horizontal position in case the sun disappears.
This feature requires the use of a sun sensor.
- Privacy feature:** p28
This feature allows the sun automatic operation to be activated or deactivated when the blind is closed in order to maintain your privacy. This feature requires the use of a sun sensor.

C ADJUSTING THE BLIND

End limits are operated by the motor and its accessories and not by the Power 4x2.5 DC RTS Receiver.

C.1) Connect the Power 4x2.5 DC RTS Receiver (It is necessary to take all the precautions of use to protect the Power 4x2.5 DC RTS Receiver from the electrostatic discharges).

If several motors are connected to the same output of the Power 4x2.5 DC RTS Receiver, the adjustment will be common to all the motors.

C.2) Choise of the output

Before setting a blind, you need to select the output on which it is connected (by defect, output 1 is active).
A first short press on the programming button allows to check which output is active.

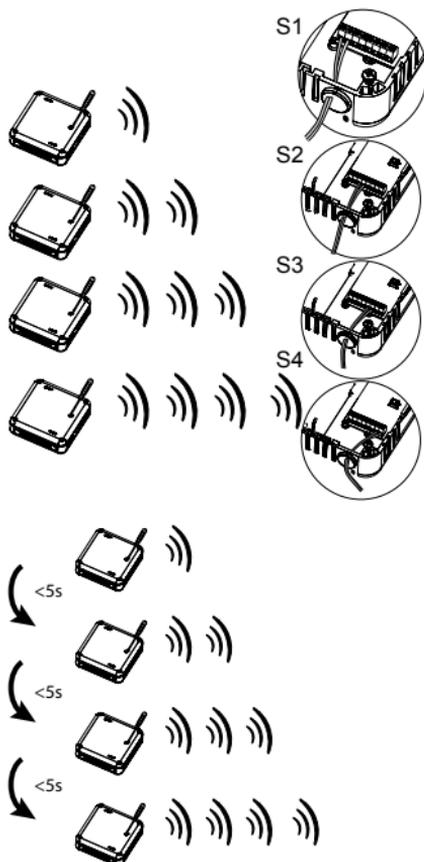
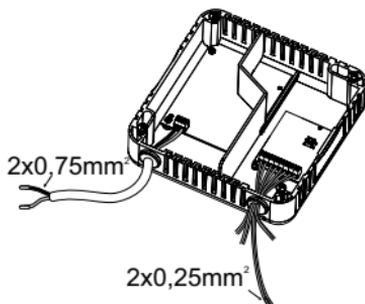
Output 1 (S1) → 1 beep
Output 2 (S2) → 2 beeps
Output 3 (S3) → 3 beeps
Output 4 (S4) → 4 beeps

A 2nd short press allows to move from one output to the other in the chronological order (1 → 4).

To be valid, the 2nd short press must be carried out the 5s maximum after the 1st short press.



Settings are only valid for the selected output.



C.2) Setting through the remote control:

Remark: When controlling through a remote control, all Power 4x2.5 DC RTS Receiver are adjusted at the same time if several Power 4x2.5 DC RTS Receiver are connected.

Pairing:

Briefly press the Up and Down buttons on the remote control.

The blind moves up and down.

The remote control is temporarily saved.

Settings:

Refer to steps:

C4a: Choosing the type of blind :

C4b: Motor rotation direction :

C4c: Orientation using the dial :

C4d: Sun sensor operation :

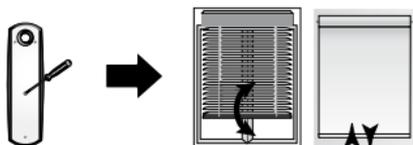
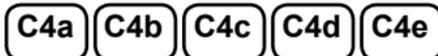
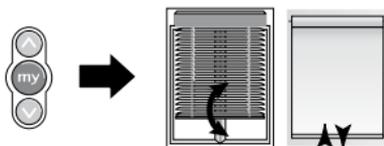
C4e: Duration of raising and lowering of the blind

Saving:

Briefly press the programming button on the remote control.

The blind moves up and down.

The remote control is permanently saved.



C.4) Adjusting or readjusting the blind:

C.4.a) Choosing the type of mode :

To skip from one mode to the other, press the My and Down buttons for approximately 2 seconds until the blind moves up and down.

The Power 4x2.5 DC RTS Receiver in roller mode :

The UP and Down movement is without stop at the down end limit.

The Power 4x2.5 DC RTS Receiver in Venetian mode :

During the Up and Down movement, there is a stop at the down end limit.

C.4.b) Motor rotation direction :

Press the Up or Down button to verify the rotation direction.

If the direction is incorrect, press the My button until the blind moves up and down.

Verify the rotation direction using the Up and Down buttons. This operation can be repeated several times.

The direction is inverted every time the My button is pressed for 2 seconds.

C.4.c) Tilting using the Mod/Var Scroll wheel :

Use the scroll wheel to verify the slats tilting.

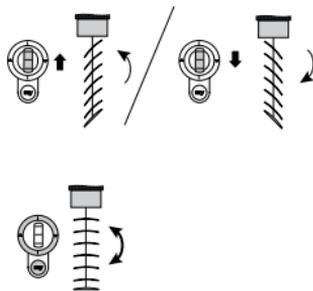
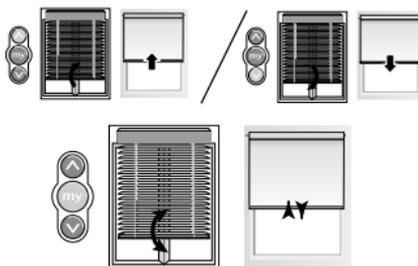
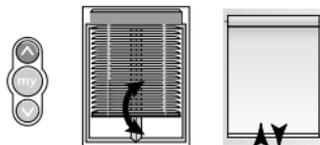
If the direction is incorrect, press the Up, My and Down buttons for approximately 2 seconds until the blind moves up and down.

The Scroll wheel operational position has been inverted.

This operation can be repeated several times.

The operational position is inverted every time the Up and Down buttons are pressed for approximately 2 seconds.

Note: The slat tilting behaviour is independent of the motor rotation direction.



C.4.d) Sun sensor operation :

This function is used only for Roller blinds.

The operational direction is set by default for a motor installed at the top of the blind.

The operational direction can be programmed for a product where the motor is installed at the bottom of the blind.

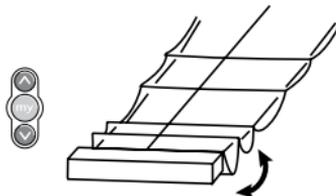
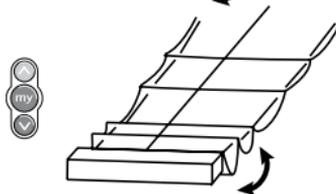
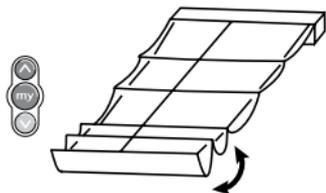
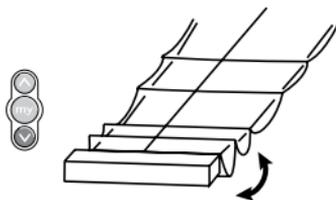
To modify the direction:

Press the My and Up buttons for approximately 2 seconds until the blind moves up and down.

Press the Down button for approximately 2 seconds until the blind moves up and down to set the Power 4x2.5 DC RTS Receiver in inverted sensor mode (in case motor is at the bottom of the blind).

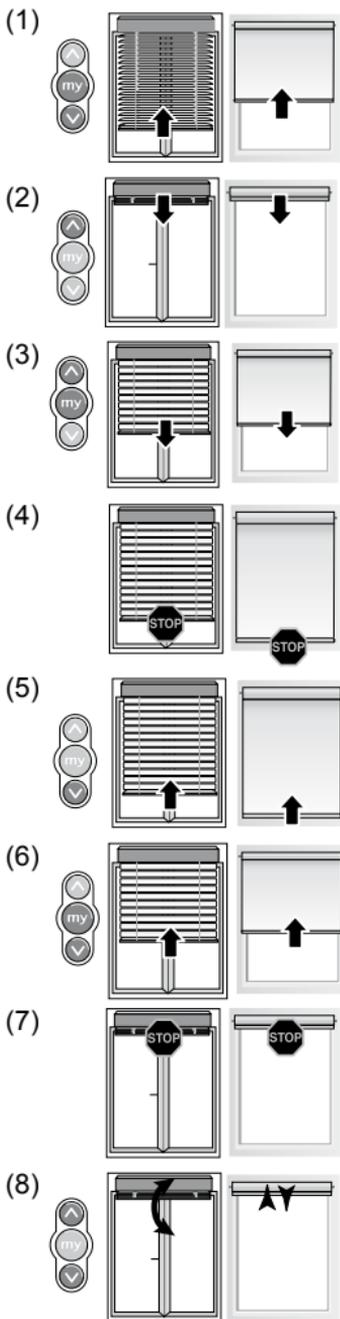
Press the Up button for approximately 2 seconds until the blind moves up and down to set the Power 4x2.5 DC RTS Receiver in normal sensor mode (in case motor is at the top of the blind).

Press the My button for approximately 2 seconds until the blind moves up and down to confirm the sensor mode selection .



C.4.e) Timer setting for raising and lowering the blind:

- 1) Take to upper end-stop of the blind. The blind automatically stops at the mechanical end-stop.
- 2) Briefly press the My and Down buttons: the end-product lowers (for 10 seconds) and stops. You can stop the blind prior to the 10 seconds by pressing the Stop button.
- 3) If the blind is not at its lowest position, press the Down button until the blind reaches the lowest position set mechanically. The blind lowers as long as the button is pressed and held for a maximum duration of 10 seconds.
Nb: Only the length of time the button is held is saved. Time is not measured once the blind is stopped.
- 4) Once the end-product is at the lowest position release the Down button.
Nb: If the Down button remains held as the mechanical stops down position is reached, time continues to be measured and the blind does not move.
- 5) Briefly press the My and Up buttons: The endproduct rises (for 10 seconds) and stops. You can stop the blind prior to the 10 seconds by pressing the Stop button.
Nb: Pressing the My and Up buttons confirms the down motion duration.
- 6) If the blind is not at its upper position, press the Up button until the blind reaches the upper position set mechanically. The blind rises as long as the button is pressed and held for a maximum duration of 10 seconds.
Nb: Only the length of time the button is held is saved. Time is not measured once the blind is stopped.
- 7) Once the end-product is at the upper position release the Up button.
Nb: If the Up button remains held as the mechanical stops up position is reached, time continues to be measured.
- 8) To finalize the setting of up and down motion duration, press the My button for approximately 2 seconds until the blind moves up and down. Durations are confirmed, saved and a favorite position (My) is automatically set.



D USE

D.1) My position :

The My position varies according to the type of blind.

Venetian mode:

After adjusting the duration of up and down motions, the My position is the following one : lower position, slats position at about 45° (for a Venetian with 25 mm slats and CTS 25).

The user can readjust this position.

Rolling mode:

After adjusting the duration of up and down motions, the My position is the following one 3/4 closed.

The user can readjust this position.

Readjusting the position:

To readjust the My position the blind must be in any position except the current My position.

Venetian mode:

Press the My button for approximately 5 seconds.

The blind goes to the existing My position.

Using the Up or Down buttons, or the scroll wheel when using a Mod/Var remote control, to readjust the My position.

Press the My button for approximately 2 seconds until the blind moves up and down.

The new My position is saved.

Rolling mode:

Using the Up or Down buttons select the new desired position.

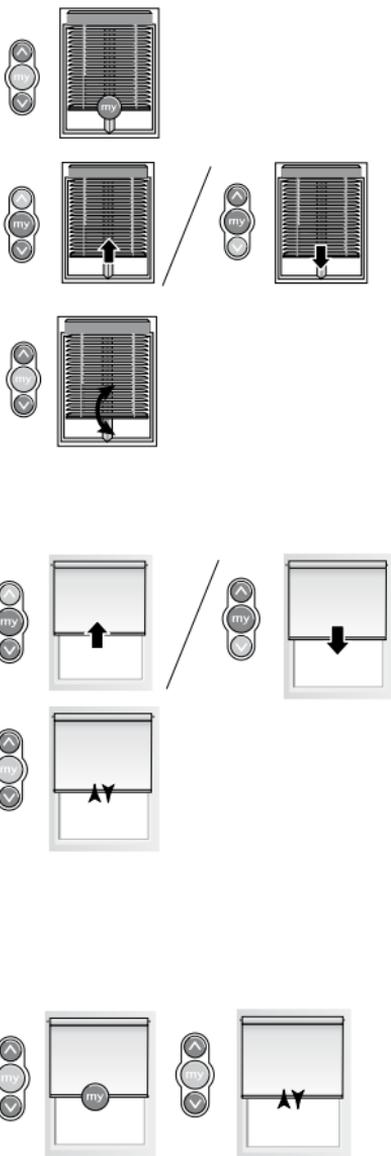
Press the My button for approximately 5 seconds until the blind moves up and down, the new position is saved.

Deleting the position (for venetian or roller mode):

By briefly pressing the My button take the blind to the current My position.

Press the My button for approximately 5 seconds until the blind moves up and down.

The position has been deleted.



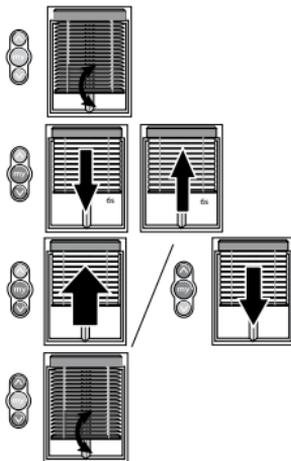
D.2) Setting the slat speed tilting fonction :

Press the Up, Down and My buttons for approximately 2 seconds until the blind moves up and down. Press the Up button for approximately 2 seconds.

The blind moves up and down in 6 second cycles.

Using the Up and Down buttons to readjust the speed. Each time a button is pressed the orientation speed is changed: variation is in real time during the adjustment.

Once the suitable speed has been reached, press the My button for approximately 2 seconds until the blind moves up and down. The new orientation speed has been saved.



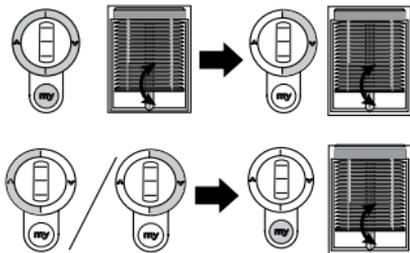
D.3) Adjusting the scroll wheel movement on the remote control :

Press the Up, Down and My buttons for approximately 2 seconds until the blind moves up and down.

Press the Down button for approximately 2 seconds until the blind moves up and down. Using the Up and Down buttons to readjust the scroll wheel movement.

The result can be test in live with the scroll wheel.

Press the My button for approximately 2 seconds until the blind moves up and down. The new dial movement has been saved



D.4) Disappearing sun position :

This feature requires the use of a sun sensor. This function is used only for Venetian blinds. In order to have a Disappearing sun position, an up and down duration as well as a My position must be saved.

Press the Down and My buttons for approximately 2 seconds.

The blind goes to My position.

Using the Up and Down buttons to adjust the Disappearing sun position (slat in horizontal position).

Press the My button for approximately 5 seconds until the blind moves up and down. The Disappearing sun position has been saved.

Readjusting the position: :

To readjust the No sun position, repeat previous procedure (1st time setting).

Deleting the position:

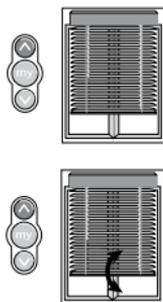
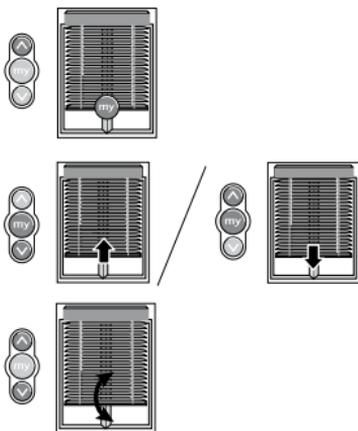
Press the Down and My buttons for approximately 2 seconds.

The blind goes to My position.

Press the Down and My buttons for approximately 5 seconds until the blind moves up and down.

The No sun position has been deleted.

Note: If the My position is deleted, the No sun position is automatically deleted also.



D.5) Privacy feature :

By default, the privacy feature is activated.
When the user sends the blind to lower position, the automatic sun operation is deactivated.

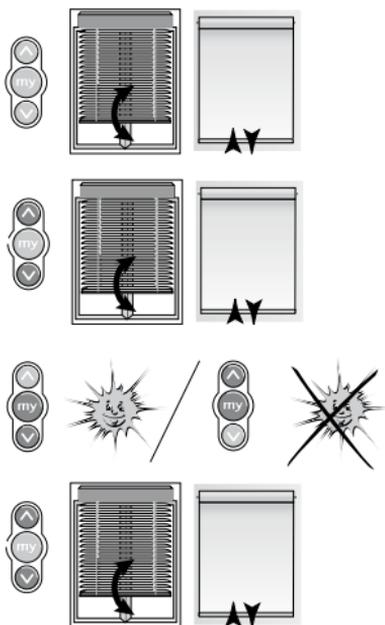
Press the Up, Down and My buttons until the blind moves up and down.

Press the My button until the blind moves up and down.

Press the Up button for approximately 2 seconds until the blind moves up and down to activate the automatic sun operation (No privacy function).

Press the Down button for approximately 2 seconds until the blind moves up and down to deactivate the automatic sun operation (Privacy function on).

Press the My button for approximately 5 seconds until the blind moves up and down to confirm your selection.



E READJUSTING THE BLIND

Entering readjustment mode:

To enter readjustment mode, simultaneously press the up and down buttons for approximately 5 seconds until the blind moves up and down.

Settings:

Refer to steps:

C4a: Choosing the type of blind:

C4b: Motor rotation direction:

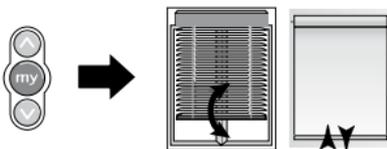
C4c: Orientation using the dial:

C4d: Sun sensor operation:

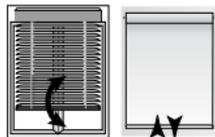
C4e: Duration of raising and lowering of the blind.

Confirming settings:

To confirm settings, press the My button for approximately 5 seconds until the blind moves up and down twice.



C4a C4b C4c C4d C4e



2 X

F ADDING AND DELETING

F.1) Adding or deleting a transmitter or a sensor.

Press the programming button on the Power 4x2.5 DC RTS Receiver or the transmitter A until the blind moves up and down. Then press the programming button on transmitter B. It is either saved if the transmitter is new or deleted if the transmitter is recognized.

Remark : If no remote control is paired, You can use this mode for the 1st pairing.

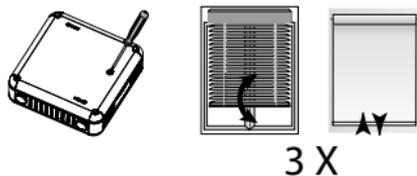
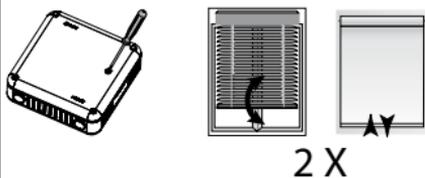
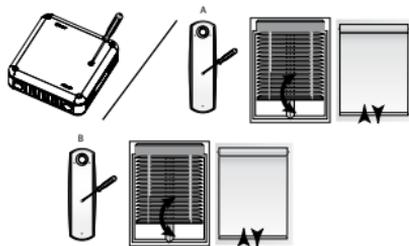
F.2) Deleting all transmitters and sensors.
Press the programming button on the Power 4x2.5 DC RTS Receiver for approximately 7 seconds. The blind moves up and down twice:

First time for approximately 2 seconds.
Second time for approximately 7 seconds.
All transmitters have been deleted.

F.3) Back to factory mode

Press the programming button on the Power 4x2.5 DC RTS Receiver for approximately 12 seconds. The blind moves up and down three times:

First time for approximately 2 seconds.
Second time for approximately 7 seconds.
Third time for approximately 12 seconds.
All transmitters and sensors are deleted, up and down motion durations are deleted.
The product settings are back to default factory configuration.



G GROUP CONTROL

A group control is available.

However to readjust an output individually, a transmitter must be paired on this output and only on this one.

If several outputs are paired on the same transmitter, (example output 2,3,4 paired on the same transmitter) :

During the readjustment of the My position, only the My position of the 1st group output (output 2 of the example) will be modified.

During the readjustment of the sun disappearing position, only the sun disappearing position of the 1st group output will be modified.

During the readjustment of the privacy feature, only the privacy feature of the 1st group output will be modified.

During the readjustment of the wheel increment, only the wheel increment of the 1st group output will be modified.

During the readjustment of the tilting speed, only the tilting speed of the 1st group output will be modified

H TROUBLE SHOOTING

Nothing works:

Check the wiring (cf SDEV-FICA 38).

Check the motor.

Check the power supply.

Check the battery of the transmitter.

Check the compatibility of the transmitter.

Check that the transmitter has been properly recorded..

No My position:

The My position can only be programmed if the timer for raising and lowering the blind are set (C.4.e).

Problem with the functions :

Check you are in the right mode (Venetian or Roller) (C.4.a).

Lost in your programming mode:

Just make a complete reset and start again (F3).

TECHNICAL DATA : page 86

BOX	Material Color Size Protection factor Weight (net)	plastic white 155 x 155 x 53,6 (mm) IP20 520gr
INPUT	Range of supply voltage Frequency No load power consumption Max wire size for terminals Fuse	198-255 V AC 50 Hz 0,7 W 1,5 mm ² Fuse
OUTPUT	Nominal load (maximum continuous current) Voltage Ripple (peak to peak) Total regulation Max wire size for terminals Fuse	2,5A 24Vdc SELV regulated < 500mV + / - 5% (22,8V to 25,2V) 1,5 mm ² Autorecovery
RADIO PROTOCOL	Type frequency	Somfy RTS protocol 433,42MHz
POWER SUPPLY SPECIFICATIONS	Type	SMPS (switching mode pwr supply)
STANDARDS	Standards reference Insulation class	EN50022 classB EN 61058 Class II
TEMPERATURE RANGE	Working / running time Storage Rate of humidity relative	-10°C to +35°C / 24min ON, 30min OFF, 24min ON -35°C to +55°C / 12min ON, 30min OFF, 12min ON -30°C to +80°C 85% HR at 30°C
CONNECTORS	Input Output	screw terminal:IEC320 C8 (2P) screw terminal
INSTALLATION DISTANCE	Distance mini between a motor and a receiver Distance mini between the floor and the receiver Distance mini between 2 receivers	30 cm 1,5 m 30 cm

Somfy worldwide

Argentina: Somfy Argentina
Tel: +55 11 (0) 4737-3700

Australia: Somfy PTY LTD
Tel: +61 (2) 8845 7200

Austria: Somfy GesmbH
Tel: +43 (0) 662 / 62 53 08 - 0

Belgium: Somfy Belux
Tel: +32 (0) 2 712 07 70

Brasil: Somfy Brasil Ltda
Tel: +55 11 3695 3585

Canada: Somfy ULC
Tel: +1 (0) 905 564 6446

China: Somfy China Co. Ltd
Tel: +8621 (0) 6280 9660

Croatia : Somfy Predstavništvo
Tel: +385 (0) 51 502 640

Cyprus : Somfy Middle East
Tel: +357(0) 25 34 55 40

Czech Republic:
Somfy, spol. s.r.o.
Tel: (+420) 296 372 486-7

Denmark: Somfy Nordic
Danmark
Tel: +45 65 32 57 93

Export: Somfy Export
Tel: + 33 (0)4 50 96 70 76
Tel: + 33 (0)4 50 96 75 53

Finland: Somfy Nordic AB
Finland
Tel: +358 (0)9 57 130 230

France : Somfy France
Pour les professionnels :
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Pour les particuliers :
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