Sonesse® 30 DCT

Installation instructions

HOME MOTION BY **somfy**®
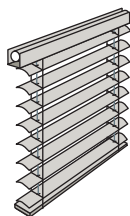
SAFETY

• This Somfy product must be installed by a professional motorization 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.
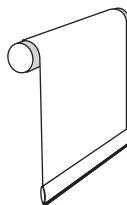
COMPATIBLE BLINDS
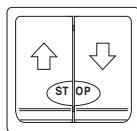
Venetian blinds

Roman shades

Roller blinds

COMPATIBLE CONTROL

Setting Tool
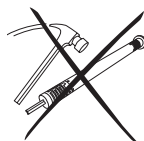
Centralis IB

Wall Switch

GENERAL SAFETY INSTRUCTION

The safety instructions that must be observed, besides the usual rules, are explained in these instructions and in the attached «Safety Instructions» document.
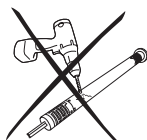
Never immerse the motor in liquid!

Avoid impacts!

Never drill holes in the motor!

Do not drop it!

INSTALLATION

Motor preparation

1) Fit the crown (a) and drive wheel (b) to the motor.

2) Measure the length (L) between the middle of the drive wheel and the head end.

Tube preparation

Cut the tube to the required length. Deburr the tube and remove the debris.

Motor/tube assembly

1) Slide the motor into the tube.

2) Fix the tube to the motor with self-tapping screws or steel pop rivets depending on the dimension (L).

Mounting the motorized tube on the brackets

If necessary, screw the bracket interface on the motor head.
Mount the motorized tube on the end bracket (C).
Mount the motorized tube on the motor bracket (D).

1

a   b

2

L

1

2

c

d
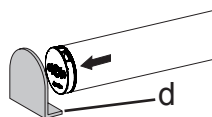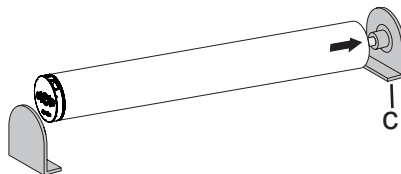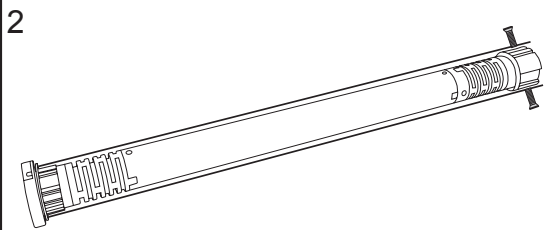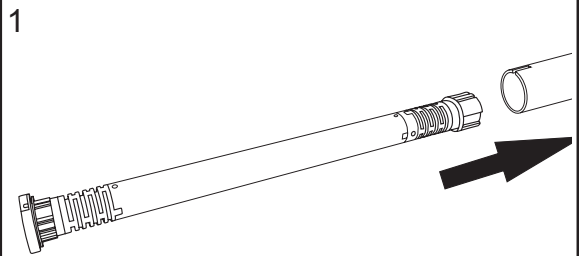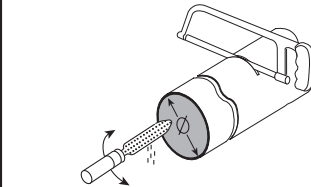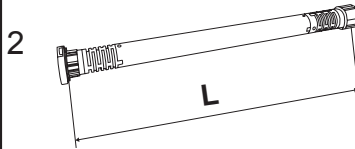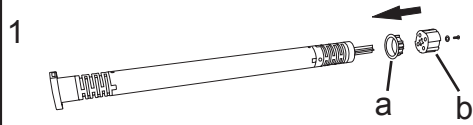
Wiring

Sonesse® 30 DCT is Dry contact motor.It can't be controlled with power going through the setting tool cable.

1) Connect the power cable to the motor.

+ ————————————
- ————————————

1

2) Connect the setting tool cable to the motor.

2

3) Control wiring

Setting Tool

1 UP (White/Blue)
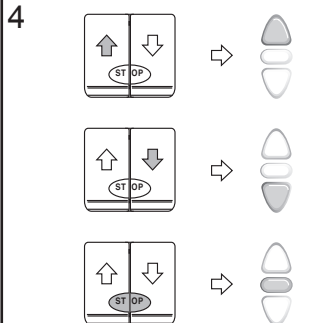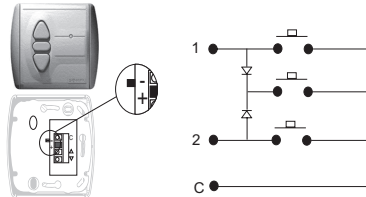2 STOP (Blue)
3 DOWN (White/Orange)
4 GND (Orange)

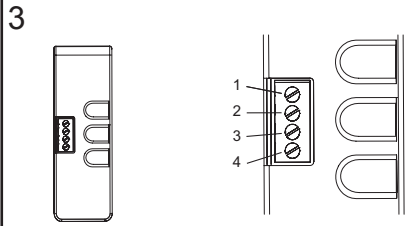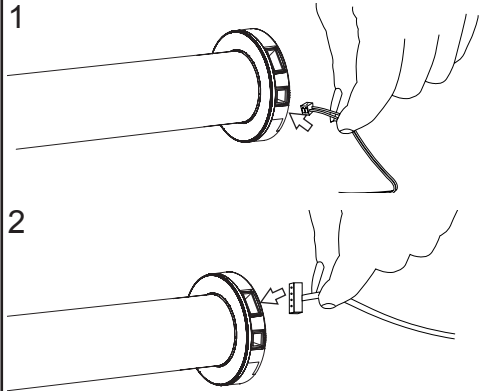Centralis IB

1 UP or DOWN (White/Blue or White/Orange)
2 UP or DOWN (White/Blue or White/Orange)
3 GND (Orange)

Wall Switch

1 UP or DOWN (White/Blue or White/Orange)
2 UP or DOWN (White/Blue or White/Orange)
3 GND (Orange)

4) Correspondence

3

4

COMMISSIONING

Checking the direction of rotation

Press the setting tool UP button:
a) If the shade is raised, the direction of rotation is correct. Move to the section entitled «Adjusting the end limits».
b) If the shade is lowered, the direction of rotation is incorrect. Move to the next step.
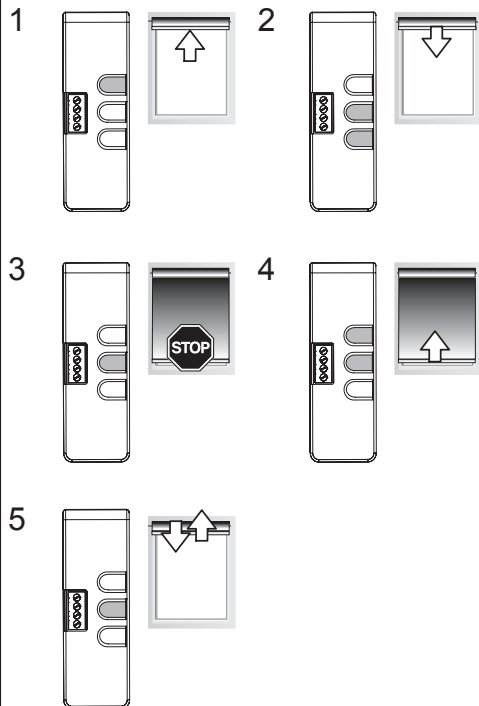Press the setting tool STOP button until the shade jogs: the direction of rotation has been modified.
Press the setting tool UP button to check the direction of rotation.
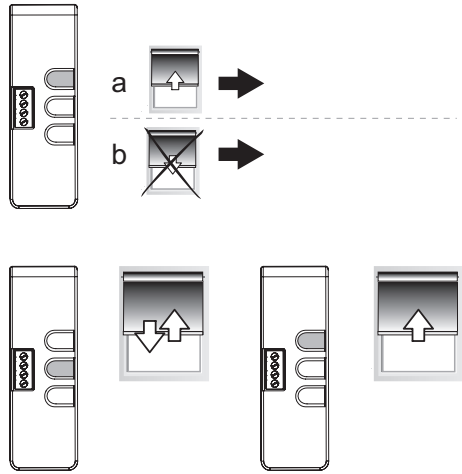
Adjusting the end limits

The limits can be set in any sequence.

1) Press and hold the UP button to move the shade to the desired up position.

2) Press simultaneously the STOP and DOWN buttons and release them once the shade begins to move.
The up limit is memorized.

3) Press the STOP button when it reaches the desired down position. If necessary adjust the down position, using the UP or DOWN buttons.

4) Press simultaneously the STOP and UP buttons and release them when the shade begins to move.
The down limit is memorized.
The shade moves up and will stop at its upper limit.

5) To confirm the end limits press and hold the STOP button until the shade jogs.
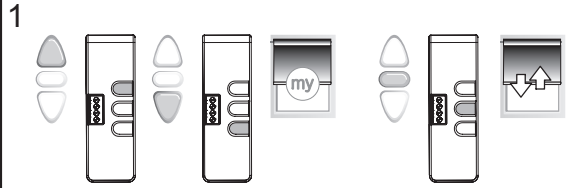The end limits are recorded.
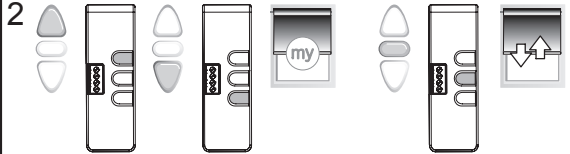
USE

MY position

1) Recording MY position
To set the MY position, move the shade to the desired position with the UP and DOWN buttons then press the STOP button until the shade jogs.
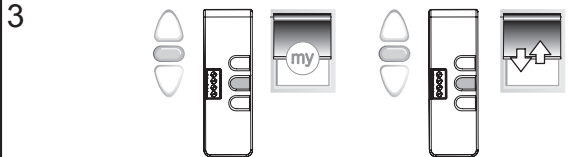

2) Changing the MY position
To change the MY position go to the new desired MY position with the UP and DOWN buttons then press the STOP button until the shade jogs.
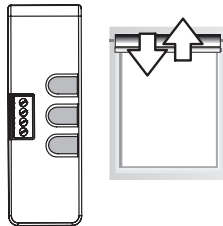

3) Delete the MY position
To delete the MY position, move to this position and press the STOP button until the shade jogs.

Mode Selection

By factory default, the motor is in Roller mode but you can change from a mode to another.
To change from a Roller mode to a Tilting mode, press the UP, STOP and DOWN buttons simultaneously until the shade jogs.

With the setting tool, it is possible to cancel and exit the speed or limit adjustment mode by simultaneously pressing the UP, STOP, and DOWN buttons. These modes will also be cancelled with inactivity of 2 minutes.

Adjusting the roller speed

1) Press and hold the STOP button until the shade jogs twice. The shade moves up and down automatically in 10 second cycles.

2) While the shade is moving, briefly press the UP button to increase the speed or DOWN button to decrease the speed.

3) To confirm the new speed, press and hold the STOP button until the shade jogs.
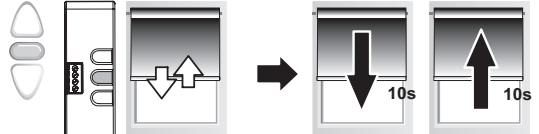
Adjusting the Tilting speed

1) Press and hold the STOP button until the shade jogs 3 times. The shade moves up and down automatically in 10 second cycles.

2) While the shade is moving, briefly press the UP button to increase the speed or DOWN button to decrease the speed.

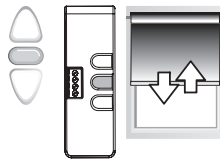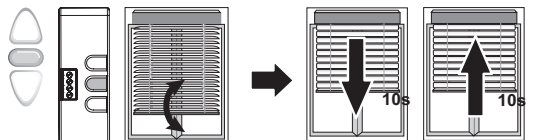3) To confirm the new speed, press and hold the STOP button until the shade jogs.
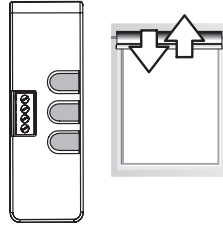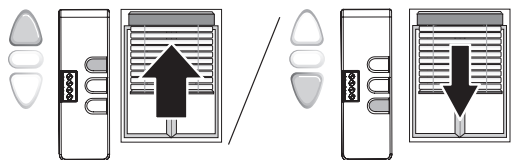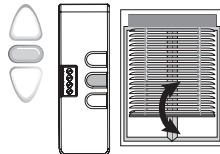
UP, DOWN and MY

In roller mode

1) To move the shade from a limit to the other limit, press briefly the UP or DOWN button.

1

2) To stop the shade, press the STOP button.

2

3) To move the shade to the MY position, press briefly the STOP button.

3

In tilting mode

1) To move the shade from a limit to the other limit, press briefly (less than 0,5s) the UP or DOWN button.

1

2) To stop the shade, press the STOP button.

2

3) To move the shade to the MY position, press briefly the STOP button. The Venetian blind goes first to the down end-limit, then to the MY position.

3

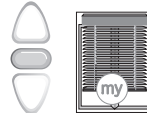4) To tilt the slats, press and hold the UP or DOWN button until the slats reach the desired position.
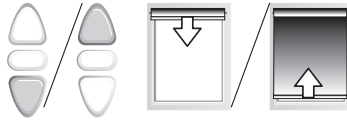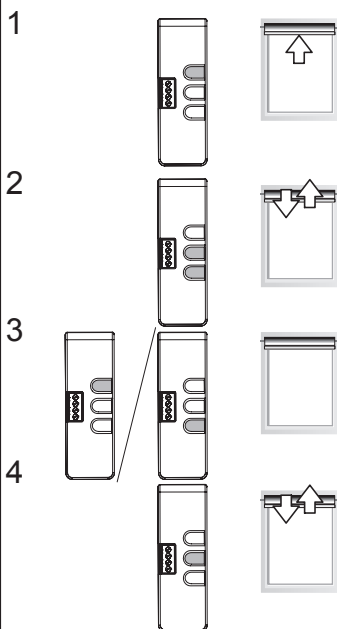
End limit re-adjustement

UP LIMIT

1) Press the UP button, to move the shade to the limit to be readjusted.

2) Press and hold the DOWN and STOP buttons simultaneously until the shade jogs.

3) Press and hold the UP or DOWN button to move the shade to the new desired position.

4) To confirm the new limit press and hold the STOP button until the shade jogs.

DOWN LIMIT

1) Press the DOWN button, to move the shade to the limit to be readjusted.

2) Press and hold the STOP and UP buttons simultaneously until the shade jogs.

3) Press and hold the UP or DOWN button to move the shade to the new desired position.

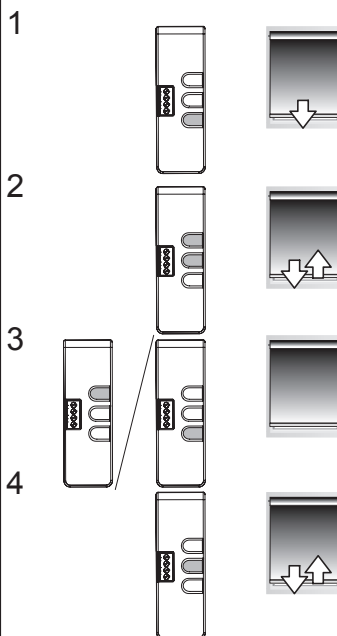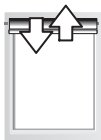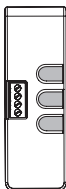4) To confirm the new limit press and hold the STOP button until the shade jogs.

Modifying the direction of rotation

To reverse the rotation direction, press and hold all the three buttons simultaneously until the shade jogs twice.
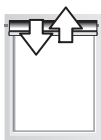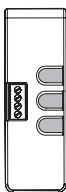
x2

Erasing the memory of the motor.

Press and hold all the three buttons simultaneously until the shade jogs 3 times.
All the settings are erased.

x3

Technical data

Voltage	**24V**
Operating temperature	**0°C / 60 °C**
Protection rating	**IP30**
Torque	**2 Nm**
Adjustable Speed	**6 → 28 rpm**
Roller Speed (By default)	**28 rpm**
Tilting Speed (By default)	**16 rpm**

Troubleshooting

The motor doesn't work:
Verify:
• The wiring of the motor.
• The power supply of the motor (24 V).
• The compatibility of the control
• The heat generated (wait 5 minutes for the cooling of the motor).

The equipment stops too soon:
Verifiy:
• The operation of end-limits during the rotation of the motor.
• The crown is properly fitted to the tube.
• The end-limits of the motor are properly adjusted.
• Verify that the shade is within the recommended weight limit