



Motor guide  
Sonesse® 40 I/O, RTS and WT

**kvadrat shade**

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## Introduction to our range

The **Sonesse® 40 range** is putting window coverings in motion with quiet precision. With our standard products listed below, we offer motors for all voltages and electrical frequencies.

### Sonesse® 40 RTS

RTS: Radio Technology Somfy

The Sonesse 40 RTS motors are one-way communication solutions. With a Situo RTS remote or a Smoove Origin RTS wall panel you can easily control the position of the blinds.

### Sonesse® 40 I/O

I/O: Homecontrol

The Sonesse 40 io motor exchanges information between control units and automated systems, enabling feedback in real time, thus making installation, use and maintenance easier.

You can create different pre-programmed scenarios with the I/O motor, and the blinds are controlled by a Situo io remote or a Smoove Origin I/O wall panel.

With Somfy's Homecontrol system, TaHoma, you can also use Somfy's TaHoma app to program scenarios and control the blinds. Moreover, TaHoma is compatible with various Smart home systems such as Google Assistant and Amazon Alexa.

Note: I/O is not certified for all countries yet.

### Sonesse® 40 WT

WT: Wired Technology

The Sonesse 40 WT motors are wired solutions. The blinds can be operated via a wired wall switch or integrated directly in the building management system. The blinds will then be programmed through the system and automatically positioned.

## Sonesse® 40 I/O

Sonesse® 40 I/O is made for interior applications, including roller blinds, and is designed to operate quietly.

### Technical data

Power supply: 230V/50Hz  
Nominal torque/nominal speed: 1,3Nm/50rpm, 3Nm/30rpm, 6Nm/20rpm, 9Nm/12rpm  
Frequency: 868-870 MHz  
Operating temperature: 0–60°C  
Protection rating: IP44  
Maximum number of remote controls: 12

### Safety advice

- Never immerse the motor in liquid
- Never drill holes in the motor
- Avoid impacts on the motor
- Do not drop the motor

### Installation

This motor must be installed by a professional motorisation installer. The installer must comply with current standards and legislation in the country in which the product is being installed.

### Wiring

- Switch off the power supply.
- Connect the motor according to the information in the table below.

Range 230V-50Hz

1 Neutral	2 Live
Blue	Brown

# Sonesse® 40 RTS

Sonesse® 40 RTS is made for interior applications, including roller blinds, and is designed to operate quietly.

## Technical data

Power supply: 230V/50Hz, 120V/60Hz, 220V/60Hz  
Nominal torque/nominal speed: 1,3Nm/54rpm, 3Nm/30rpm, 6Nm/20rpm, 9Nm/12rpm  
Frequency: 433,42MHz  
Operating temperature: 0–60°C  
Protection rating: IP44  
Maximum number of remote controls: 12

## Safety advice

- Never immerse the motor in liquid
- Never drill holes in the motor
- Avoid impacts on the motor
- Do not drop the motor

## Installation

This motor must be installed by a professional motorisation installer. The installer must comply with current standards and legislation in the country in which the product is being installed.

## Wiring

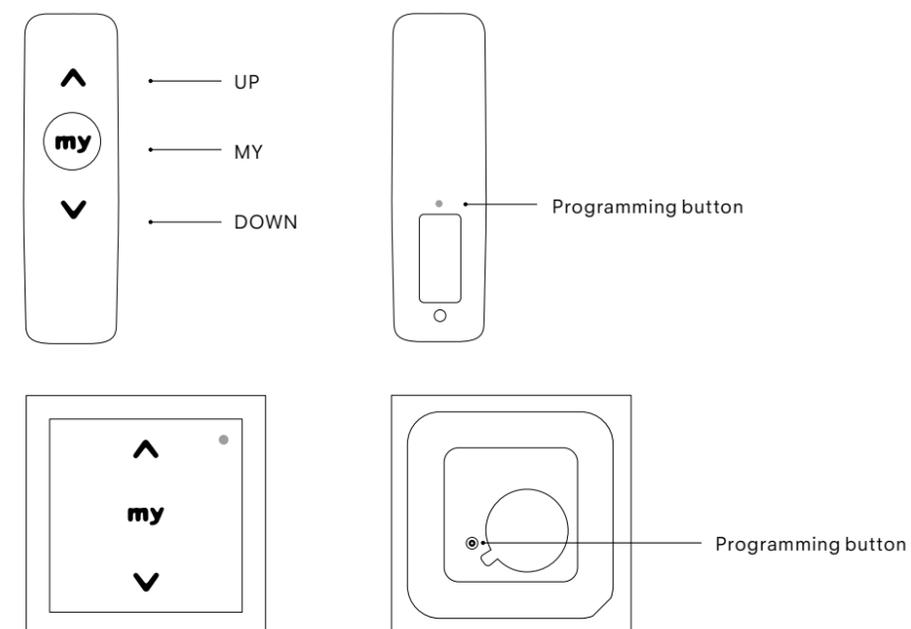
- Switch off the power supply.
- Connect the motor according to the information in the table below.

Range	1 Neutral	2 Live	3 Earth
230V/50HZ	Blue	Brown	N/A
120V/60HZ	White	Black	Green
220V/60HZ	Blue	Brown	N/A

## Operating instructions for Sonesse 40 I/O and RTS

The Sonesse 40 I/O motor can only be operated by an I/O remote control and/or wall panel. The Sonesse 40 RTS motor can only be operated by an RTS remote control and/or wall panel.

Operating instructions with a remote control:



- To move the blind from one level to another, briefly press the UP or DOWN button on the remote.
- To stop the blind, press the MY button on the remote.
- To move the blind to the set favourite position, briefly press the MY button on the remote.

### Programming the remote control

The following steps are only necessary if the motor has been reset.

- Hold down the UP and DOWN buttons simultaneously on the remote.

The roller blind jogs and the remote control is synced with the motor to program the end limits.

### Adding or deleting an extra remote control

Find a remote control programmed for the motor.

- Hold down the programming button on the back of the remote until the blind jogs.

The motor is now in programming mode.

- On the extra remote control, briefly press the programming button. The blind jogs and the extra remote control is now programmed for or deleted from the motor.

### **Replacing a lost remote control**

Please note that these steps reset/delete all remote controls programmed for the motor. However, upper and lower limits as well as the favourite position are retained.

N.B. Only switch off the power supply to the motor synced with the lost remote control.

- Switch off the power supply for 2 seconds.
- Switch the power supply back on for 10 to 15 seconds.
- Switch off the power supply for another 2 seconds.
- Switch the power supply back on. The blind moves for 5 seconds. If the blind is positioned at an end limit, the movement will only be a jog.
- Press the programming button on the back of the new remote until the blind jogs.

All the previous remote controls have now been cleared from the memory and the new remote control is synced with the motor.

### **Recording or changing the favourite position**

- To set or change the favourite position, move the blind to the desired position with the UP and DOWN buttons and stop with the MY button, then hold down this button until the blind jogs.

### **Deleting the favourite position**

- Press the MY button to move the blind to the current favourite position.
- Now hold down the MY button again until the blind jogs. This deletes the favourite position.

### **Programming the upper and lower limits**

The upper and lower limits have been preset before delivery following the below steps, but can be adjusted if necessary (see 'Adjusting the upper and lower limit'). They can be set in any order again.

- Hold down the UP button to move the blind to the desired upper limit. If necessary, adjust the position using the UP or DOWN buttons.
- Hold down the MY and DOWN buttons simultaneously and release them once the blind begins to move. The upper limit is now set.
- Press the MY button when it reaches the desired lower limit. If necessary, adjust the position using the UP or DOWN buttons.
- Hold down the MY and UP buttons simultaneously and release them when the blind begins to move. The lower limit is set and the blind will move up and stop at the upper limit.
- To confirm both limits, press and hold the MY button until the blind jogs.

The blind jogs and the remote control is programmed for the upper and lower limits.

The end limits and the channel are chosen on the remote control.

### **Adjusting the upper and lower limits**

(only when the channel is chosen)

To adjust the upper limit, press the UP button to move the blind to the current limit.

- Hold down the UP and DOWN buttons simultaneously until the blind jogs.
- Hold down the UP or DOWN button to move the blind to the new desired upper limit.
- To confirm the new limit, hold down the MY button until the blind jogs.

To adjust the lower limit, press the DOWN button to move the blind to the current limit.

- Hold down the UP and DOWN buttons simultaneously until the blind jogs.
- Hold down the UP or DOWN button to move the blind to the new desired lower limit.
- To confirm the new limit, hold down the MY button until the blind jogs.

### **Checking the rotation direction**

The following steps are only necessary if the motor has been reset.

- To check the rotation direction, press the UP button on the remote.

If the blind is raised, the rotation direction is correct.

If the blind is lowered, the rotation direction is incorrect. If this is the case, continue with the following two steps:

- Hold down MY on the remote until the roller blind jogs. The rotation direction has now been modified.
- Press UP on the remote to check the rotation direction.

### **Reversing the motor rotation direction**

Set the blind between the upper and lower limit.

- Hold down the UP and DOWN buttons simultaneously until the blind jogs.
- Hold down the MY button until the blind jogs to reverse the rotation direction.

The motor rotation direction is reversed.

- Press the UP button to check the new rotation direction.

### **Erasing the motor memory**

Please note that these steps reset/delete all remote controls, upper and lower limits as well as favourite position.

N.B. Only switch off the power for the motor to be reset.

- Set the blind between the upper and lower limit.
- Switch off the power supply for 2 seconds.
- Switch the power supply back on for 10 to 15 seconds.
- Switch off the power supply for another 2 seconds.
- Switch the power supply back on. The blind moves for 5 seconds. If the blind is positioned at an end limit, the movement will only be a jog.
- Hold down the programming button on the back of the remote control until the blind jogs twice.

All the remote controls, upper and lower limits and favourite position are now erased from the memory of the motor.

## **Troubleshooting**

### **The motor does not work**

Check:

- The wiring of the motor.
- The power supply specifications.
- The compatibility of the control.
- The heat generated (wait for the motor to cool down – this can take up to 20 min).

The remote control does not work

The battery may need to be replaced.

Please contact your local sales team or customer service on +45 8953 1866.

### **The equipment stops too soon**

Check:

- The crown is properly fitted to the roll.
- The end-limits of the motor are properly adjusted.

### **The equipment is noisy**

Check that:

- The wheel and the crown are well adapted to the tube.
- The mechanical plays between motor, accessories, tube and end of roll are reduced as much as possible.
- The wheel is properly fixed to the tube.
- The equipment is not constrained in the cassette/between the brackets.
- There is no debris in your tube.
- The power supply is within the specification.
- The temperature of the environment conforms with the recommended operating temperature.

## **Environment**

Damaged electrical products and batteries should not be disposed of with normal household waste. They should be dropped in specially provided containers or at an authorised organisation that will ensure they are recycled.

# Sonesse® 40 WT

Sonesse® 40 WT is made for interior applications, including roller blinds, and is designed to operate quietly.

## Technical data

Power supply: 230V/50Hz, 120V/60Hz, 220V/60Hz, 110V 50/60Hz  
Nominal torque/nominal speed: 1,3Nm/55rpm, 3Nm/30rpm, 6Nm/20rpm, 9Nm/12rpm  
Operating temperature: 0–60°C  
Protection rating: IP 44

## Safety advice

- Never immerse the motor in liquid
- Never drill holes in the motor
- Avoid impacts on the motor
- Do not drop the motor

## Installation

This motor must be installed by a professional motorisation installer. The installer must comply with current standards and legislation in the country in which the product is being installed.

## Wiring

- Switch off the power supply.
- Connect the motor according to the information in the table below.

Range	1 Neutral	2 Live	3 Live	4 Earth
230V/50HZ	Blue	Brown	Black	N/A
120V/60HZ	White	Black	Red	Green
220V/60HZ	Blue	Brown	Black	N/A
110V/50-60Hz	White	Black	Red	N/A

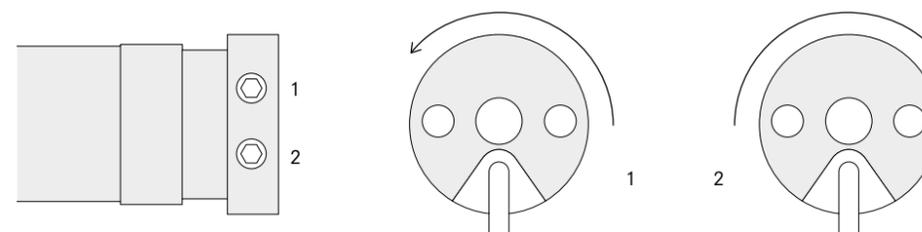
## Operating instructions

- To move the blind from one level to another, briefly press the UP or DOWN button on the wired wall switch.
- To stop the shade, press the STOP button on the control point.

### Adjusting the upper and lower limits

The upper and lower limits have been pre-set before delivery, but can be adjusted if necessary. They can be set in any order.

- To adjust the upper limit, press the UP button on the control point to raise the shade and turn the corresponding adjustment screw to set the upper limit.



- To adjust the lower limit, press the DOWN button on the control point to lower the shade and turn the corresponding adjustment screw to set this limit.

### Checking the rotation direction

The following steps are only necessary if the motor has been reset.

- Press the UP button on the control point.

If the shade is raised, the rotation direction is correct.

If the blind is lowered, the rotation direction is incorrect. If this is the case, continue with the following steps:

- Switch off the power supply and reverse the two live wires on the control point.
- Switch the power supply back on. Press the UP button on the control point to check the rotation direction.

## Troubleshooting

### **The motor does not work**

Check:

- The wiring of the motor.
- The power supply specifications.
- The heat generated (wait for the motor to cool down – this can take up to 20 min.).

### **The equipment stops too soon**

Check:

- The crown is properly fitted to the roll.
- The end-limits of the motor are properly adjusted.

### **The equipment is noisy**

Check that:

- The wheel and the crown are well adapted to the tube.
- The mechanical plays between motor, accessories, tube and end of roll are reduced as much as possible.
- The wheel is properly fixed to the tube.
- The equipment is not constrained in the cassette/between the brackets.
- The length of the notch is adapted to the motor hook or to the used crown.
- There is no debris in your tube.
- The power supply is within the specification.
- The temperature of the environment conforms with the recommended operating temperature.

## Environment

Damaged electrical products and batteries should not be disposed of with normal household waste. They should be dropped in specially provided containers or at an authorized organization that will ensure they are recycled.

