

Sunwood<sup>®</sup>  
MOTORISED

MOTORISATION MADE EASY BY SUNWOOD

with  
**somfy**<sup>®</sup>

Sunwood®

MOTORISATION CAN ADD  
VALUE TO YOUR HOME,  
ALLOWING YOU TO CREATE  
A LOOK TRULY UNIQUE TO THE  
INTERIOR STYLE YOU DESIRE.

Sunwood motorisation is specifically  
designed for our Sunwood collection\* in  
conjunction with Somfy, providing a tilt and lift  
motorised solution for Sunwood venetians.

\* 50mm only. Tapes not available.

## CONTENTS

- P5 - Motorised Blinds
- P7 - Power Supplies
- P9 - Control Operation Explained
- P11 - Remote Handsets & Wall Switches
- P12 - Setting Your Limits
- P14 - Motorised Specification

Motorised blinds are revolutionising the way we look at light management. Epitomising comfort, control and style, these discrete motors are far from being a gimmick, this technology provides an ideal solution for those hard to reach places and are a perfect child safety product eliminating the requirement for operating cords.

### MOTORISED BLINDS PROVIDE A WEALTH OF BENEFITS INCLUDING:

- Convenience - ensures you can manage your light control at the touch of a button.
- Child safety - a motorised blind with no operating cord presents a child safe solution.
- Hard to reach blinds - easily adjust hard to reach blinds with convenient remote operation.
- Assisted living - motorised blinds help improve the quality of life for those who may require help with everyday tasks around the home.

This guide will help you select the correct motorised blind solution based on your project requirements. From simple plug and play battery powered motorised blinds to high quality quiet drive systems, Decora have a solution to meet all requirements.

**Note:** Width and drop is dependant on motor size and lifting capabilities. Please contact customer services for more info.



Gloss White

# POWER SUPPLIES

## MOTORISED BLIND POWER SUPPLY OPTIONS

There are a number of power supply solutions for motorised blinds and your selection may depend on your level of experience in the field of motorisation or the specific blind required for your project.

For example: If you are new to blind motorisation, you may want to select a battery powered solution, which is very simple to install, requiring no electrical knowledge. Another solution is the low voltage power supply which simply plugs into a standard 3 pin socket.

The following power supply options provide an overview of the different options available within the Sunwood motorised blind range:

### Battery Power

#### Benefits

- No electrical power connection required
- No requirement for a power outlet near the blind
- No wiring costs
- No visual impact or disruption to the property decor

#### Limitations

- Limited battery life



1) Non-rechargeable batteries - 1-2 years battery life (dependent on usage and blind size)



2) Rechargeable batteries - with mains charger



3) Tube for batteries with solar panel



4) Dual battery pack (connecting cable sold separately)

### AC power

#### Benefits

- Can be used to motorise all blind sizes up to maximum recommended
- No additional accessories (transformers) required
- Quiet drive motors are available for improved performance

#### Limitations

- 230Vac mains is required to power the motor





# CONTROL OPERATION EXPLAINED

## REMOTE HANDSET AND WALL SWITCH CONTROL OPTIONS

There are a number of ways you can control a motorised blind, but the most common control methods are as follows:

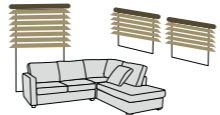


### Individual blind control

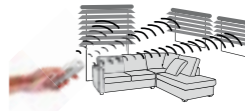


Control of a single motorised blind via a remote handset or wall switch.

A remote control or wall switch is programmed to only control one motorised blind.

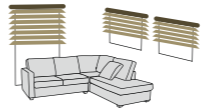


### Group blind control

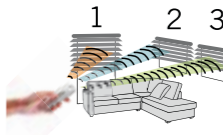


Control a group of motorised blinds via a remote handset or wall switch.

A remote control or wall switch is programmed to control a group of motorised blinds for simultaneous operation.



### Individual and group blind control



Individual and group control of motorised blinds via a remote handset.

A multi channel remote control is programmed to control a specific individual motorised blind or group of motorised blinds depending on the channel selected. Multi channel remote handsets are available as either a 4 or 16 channel handset. As an example, a 4 channel handset could provide individual control of 4 blinds (on channels 1, 2, 3 & 4), then group control of all 4 blinds (with all channels live).



## REMOTE HANDSETS & WALL SWITCHES

### REMOTE HANDSET RANGE

#### Telis 1 Modulus RTS - Single Channel Radio Remote Handset



- Single channel radio remote control.
- To control 1 motorised blind or 1 group of motorised blinds.
- Up, Down, Tilt and Stop functions.
- Dimensions - 134 x 41 x 21 mm
- Roller ball for fine adjustment

#### Telis 4 Modulus RTS - Multi Channel Radio Remote Handset



- Multi channel (4 channels ) radio remote control.
- To control a group of motorised blinds individually and as a group.
- Up, Down, Tilt and Stop functions.
- Dimensions: 134 x 41 x 21 mm

### WALL SWITCH RANGE

#### Smooove 1 RTS - Single Channel Radio Wall Switch



- Single channel touch sensitive wall-mounted control unit.
- To control 1 motorised blind or 1 group of motorised blinds.
- Up, Down, Tilt and Stop functions.
- 3 finishes for the module: Pure Shine, Black Shine and Silver Shine.
- 8 finishes for the frame: Pure, Silver Matt, Silver Lounge, Black, Light Bamboo, Amber Bamboo, Cherry and Walnut.
- Dimensions: Modules 50 x 50 x 10 mm / Frames 80 x 80 x 10 mm.

**Note:** More than one control can be programmed to any one motor

# SETTING YOUR LIMITS

## PROGRAMMING MOTORS

### 1. Control the motor and the correct direction of rotation

Press and hold simultaneously the Up and Down button. The blind should double shunt.



Press and hold the Down button.  
Does the blind move down?



**YES** - The blind moves down while pressing the down button - **Go to step 3**  
**NO** - The blind moves up while pressing the down button - **Continue to step 2**

### 2. Reverse the direction of rotation

To reverse the direction of the motor, press and hold the Stop button until the blind double shunts.



Press and hold the Down button to test that the motor direction is correct.



Continue to step 3

### 3. Record the Up and Down limit position

Use the Up button to move the blind until it reaches the Up limit position.



Press and hold the Stop and Down buttons until the blind starts to move down.



Stop the blind at the desired down limit position (adjust with Up or Down if required).



Press and hold the Stop and Up button until the blind starts to move up.



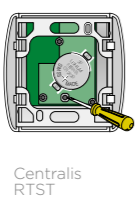
The blind will automatically stop at the up position.

Press and hold the Stop button until the blind double shunts to confirm the limit settings.

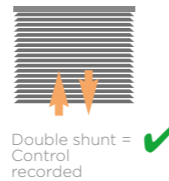
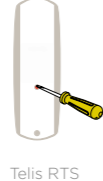


### 4. Programming the RTS control to the motor

Press the program button on the RTS control until the product double shunts.



OR



Double shunt = Control recorded

# ADJUSTING MOTOR LIMITS

## Adjustment of the Down limit position

Press the Down button and send the blind to current down limit position.



Press and hold the Up and Down buttons until the blind double shunts.



Adjust to the correct position using either the Up or Down button.



Press and hold the Stop button until the product double shunts.



New Limit position set

## Adjustment of the Up limit position

Press the Up button and send the blind to current up limit position.



Press and hold the Up and Down buttons until the blind double shunts.



Adjust to the correct position using either the Up or Down button.



Press and hold the Stop button until the product double shunts.



New Limit position set

## INTERMEDIATE POSITIONS

### Setting the intermediate position

Use the Up or Down button to move the blind towards the desired intermediate position. (my)



Stop the blind at the desired intermediate position. (my)



Press and hold the Stop button until the blind double shunts.



### Deleting an Intermediate position

Send the blind to the intermediate position by pressing and holding the Stop button.



When the blind has reached the intermediate position and stopped, press and hold the Stop button until there is a double shunt.



### Using the Intermediate position

The blind must be stationary, but can be at any position. Press and hold the Stop button to initiate the intermediate or 'my' position. The blind will automatically move to the IP or 'my' position and stop.



# MOTORISED SPECIFICATION

## TILT AND LIFT 25RTS TECHNICAL DATA

Nominal Voltage	12V DC
Power Supply	9V DC - 14V DC
Electrical Insulation	Class III
Life Span	5000 cycles; 2m high on a 20 tube diameter (CTS25 by Somfy)
Radio Frequency	433,42 MHz
Radio Protocol	RTS U80
Nominal Torque	0,8 Nm
Up Speed (at nominal torque*)	33 +/- 4 rpm
Down Speed(at nominal torque*)	65 +/- 15 rpm
Capacity of Memory	12 Transmitters
Antenna	Wire 18cm, Must not be cut or lengthened
Range	50m free field (FCC remote control)
	6m with 2 concrete walls to be passed through (FCC remote control)
Noise Level	56 dBA

\* Nominal torque, nominal voltage, room temperature (25C), measurements done on Somfy characteristic bench

Max sizes are width and drop dependant. See table below for details:

### SINGLE MOUNT BATTERY PACK

		Width In Metres						
		0.60	0.80	1.00	1.20	1.40	1.60	1.80
Drop In Metres	0.60	1.7	1.7	1.6	1.6	1.6	1.5	1.5
	0.80	1.5	1.5	1.4	1.4	1.3	1.2	1.2
	1.00	1.3	1.3	1.2	1.2	1.1	1	1
	1.20	1.2	1.1	1.1	1	1	0.9	0.8
	1.40	1	1	0.9	0.9	0.8	0.7	-
	1.60	0.9	0.9	0.8	0.8	0.7	-	-
	1.80	0.8	0.8	0.7	0.7	-	-	-
	2.00	0.8	0.7	0.6	0.6	-	-	-

**Battery Life**

- Between 1-2 years
- Less than 1 year
- Not available

### DUAL MOUNT BATTERY PACK

		Width In Metres						
		0.60	0.80	1.00	1.20	1.40	1.60	1.80
Drop In Metres	0.60	3.4	3.3	3.3	3.2	3.1	3	2.9
	0.80	3	2.9	2.8	2.7	2.6	2.5	2.4
	1.00	2.6	2.5	2.4	2.3	2.2	2.1	1.9
	1.20	2.3	2.2	2.1	2	1.9	1.7	1.6
	1.40	2.1	2	1.9	1.7	1.6	1.5	-
	1.60	1.9	1.7	1.6	1.5	1.4	-	-
	1.80	1.7	1.6	1.4	1.3	-	-	-
	2.00	1.5	1.4	1.3	1.2	-	-	-

**Battery Life**

- Between 3-4 years
- Between 2-3 years
- Between 1-2 years
- Not available

We recommend dual batteries for blinds in the 'Blue' zone.

\*\* Minimum cut down 75cm down to 54cm.



