



## Roller Shutter Guide

Radio Motors with Wireless Controls

**somfy**<sup>®</sup>

**SWS** UK



# Technology an integral part of everyday life

Introducing the next generation roller shutter motor and control solutions from SWS UK.

In today's world, technology and automation are part of our everyday lives. We record our favourite TV programmes at the touch of a button, use laptops or tablets to order goods direct to our front door and use our phones as cameras, music players, personal diaries and all round entertainment systems.

It should come as no surprise then that roller shutter technology has advanced beyond traditional hard wired control.

Somfy's range of RTS motors are designed to simplify the installation process, providing a quicker and easier solution to plan, install, wire up and commission prior to client handover. The RTS range also benefits from a far more dynamic controls offer, delivering a much more flexible and convenient solution for both you and for the client over the lifetime of the product.

## Why Choose SWS and Somfy

SWS roller shutters powered by Somfy motors comply with European safety standards. They are designed and tested to stand up to several thousand cycles of use under the most difficult weather conditions. Somfy guarantees its products for 5 years.



## Radio Technology Somfy powered Roller Shutters: The smarter solution:



- ✓ **A clean and simple installation**  
The system is easy to install, with no cables between the control points and motors. No need to channel cabling into the walls, no trunking and no mess!
- ✓ **Individual and group control option**  
The flexibility of wireless control allows you to install and configure whatever control option the client desires.
- ✓ **A flexible investment**  
The Somfy range of radio controls are battery powered and can be added or removed with the touch of a button. This allows you the freedom to offer whatever control the client wants and secure it to the position of choice in a matter of minutes. If at a later date the client wants a different control option...no problem! Remove the existing one and add a new one or add the new one in addition to the existing control – let the client decide!

# Added value and functionality

Add value to your offer and simplify the installation process with automated RTS Roller Shutters.

## Easier to install, with a better looking finish

Operate all the roller shutters together, as individual systems or a combination of both – let the client decide!

With no hard wired connection between the motor and control point, you can configure the roller shutter control to the requirements of the client, even if the specification is changed at the last minute or after the client has moved in!

Create individual, sub group and/or group control and add or remove RTS remote handsets or wall switches at will – there are no constraints!

- ✓ Based on data collected from our customers, installing existing roller shutters on a commercial premises accounts for 90% of all projects.
- ✓ RTS powered roller shutters will allow you to significantly reduce your installation time, provide a better looking solution with reduced disruption to the decor and simplify the control options offered to the client.
- ✓ Upgrade existing hard wired roller shutters with Centralis RTS Indoor Receivers and mount the battery powered wireless controls in the position of preference within minutes for individual and group command.

## Offer more control options, which are easier to install

Control the roller shutters with a remote handset or a wall switch.

## Renovation special

Upgrade an existing installation – RTS motors and controls provide the ideal upgrade solution for an existing hard wired installation.



### Wall-mounted switches

#### Smoove 1 RTS NEW

- Battery powered wall mounted control unit
- Single channel wall-mounted touch-sensitive control unit
- Up, down, stop and “my” favourite position
- Modular design that suits all types of décor: 4 switch module finishes & 8 switch frame finishes



### Remote handsets

#### Telis 1 RTS or Telis 4 RTS

- Single and multi-channel options:
  - Single channel: Control a single shutter or a group of shutters
  - Multi channel: Control up to 4 shutters independently and simultaneously as a group
- Up, down and stop functions and “my” favourite position
- Available in 3 finishes: White, Silver & Black



## Exclusive to Somfy

### The “my” function

Save a favourite position (for example the roller shutter(s) at the mid position) and recall it immediately by pressing the ‘my’ button. Simple to programme and to modify.



# Benefits of RTS products for Roller Shutter projects

## Benefits for **residential** Roller Shutter projects:

### Security

Secure radio signal encryption ensure that system is safe and intelligent controls can simulate occupancy.

### Privacy

Use the 'my' position function to set the shutters to a specific position that provides privacy – and recall it at the touch of a button!

### Product interoperability

All Somfy RTS products are interoperable, so the client can control other RTS applications with the same controls (motorised awning, blinds, garage door, gate(s), etc.).

### Dynamic insulation

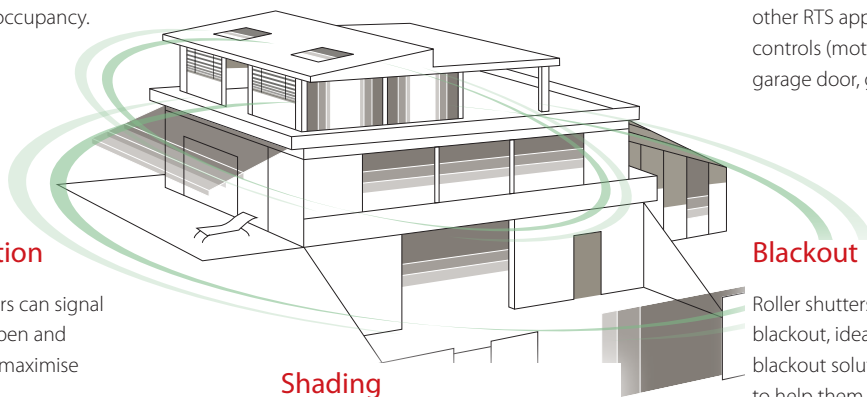
Light sensors and timers can signal the roller shutters to open and close automatically to maximise insulation benefits.

### Shading

Roller shutters can be used as a shading solution, reducing glare and helping to keep temperatures down during summer months.

### Blackout

Roller shutters can achieve total room blackout, ideal for clients who want a blackout solution for a cinema room or to help them sleep better.



## Benefits for **commercial** Roller Shutter projects:

### Security

Secure radio signal encryption ensure that system is safe and intelligent controls can simulate occupancy.

### Visual comfort

Use the 'my' position function or light sensors to set the shutters to a specific position that eliminates glare and improves natural light levels throughout the work environment.

### Installation

All Somfy RTS products are interoperable, so the client can control other RTS applications with the same controls (motorised awning, blinds, gate(s), etc.).

### Convenience

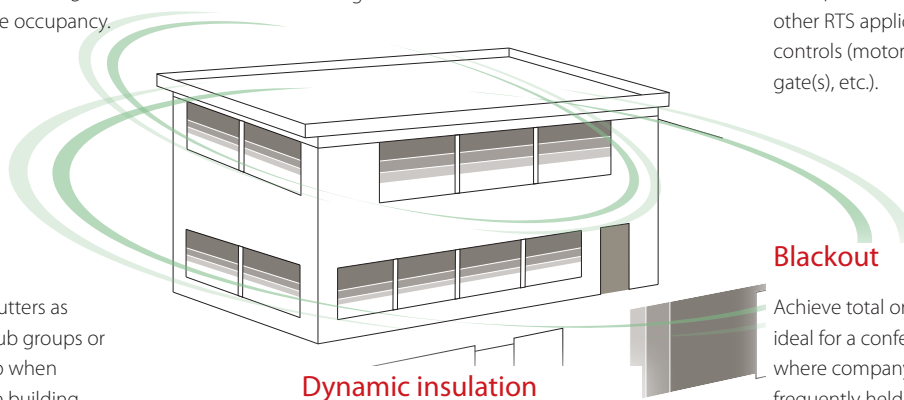
Control the roller shutters as individual units, in sub groups or as a complete group when entering/leaving the building.

### Dynamic insulation

Light sensors and timers can signal the roller shutters to open and close automatically to maximise insulation benefits.

### Blackout

Achieve total or partial blackout, ideal for a conference room or areas where company presentations are frequently held.



# Energy Saving Solutions

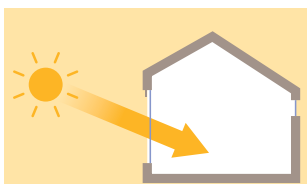


With Dynamic Insulation™ from Somfy, roller shutters reacts automatically to climate variations to save energy and increase occupancy comfort during summer and winter months.

## In winter

Dynamic insulation saves heating energy

- When night falls, a timer control can be programmed to lower all roller shutters and improve window insulation
- During the day, roller shutters remain up to take advantage of the heat from the sun
- Reduce heat loss through windows by 24%



Telis 6 Chronis RTS with programmable timer.



### The advantage of RTS technology

With 6 channels the Telis 6 Chronis RTS can provide timer control of multiple shutters with six timer operations per channel per day.

## In summer

Keep internal temperatures cool and eliminate glare

- A sun sensor on the property façade detects sunlight intensity and automatically lowers the roller shutters to an intermediate position – ideal for sun rooms and conservatories
- When the sunlight fades, the shutters will automatically raise and await further commands from the user
- Natural indoor cooling without air conditioning



Sunis RTS Solar powered sun sensor – 100% autonomous.



#### EXCLUSIVE

Telis Soliris RTS Pure Remote control with light sensor over-ride function.



### The advantage of RTS technology

Use the remote control to temporarily switch the automatic light sensor off. Simply push a button to re-activate it when required.

# All you need to know about powered roller shutters



## Somfy radio motors explained

A Somfy radio or RTS motor looks very similar to a standard motor.

The main difference between the two is as follows:

- The motor is powered by a standard 230Vac mains supply feed
- RTS motors have a radio receiver built into the head of the motor
- Minimum shutter width: 860 mm



Operation of RTS roller shutters is recommended to be in line of sight for safety. A risk assessment should be carried out if the shutter is operated out of line of sight. Doorways should use the SeceuroSmart remote system with safety devices.



### Altus RTS (non over-ride)

RTS tubular motor

- Electronic limits
- Integral radio receiver
- Compatible with RTS controls
- Available up to 50NM

### LT50 CSI RTS (over-ride)

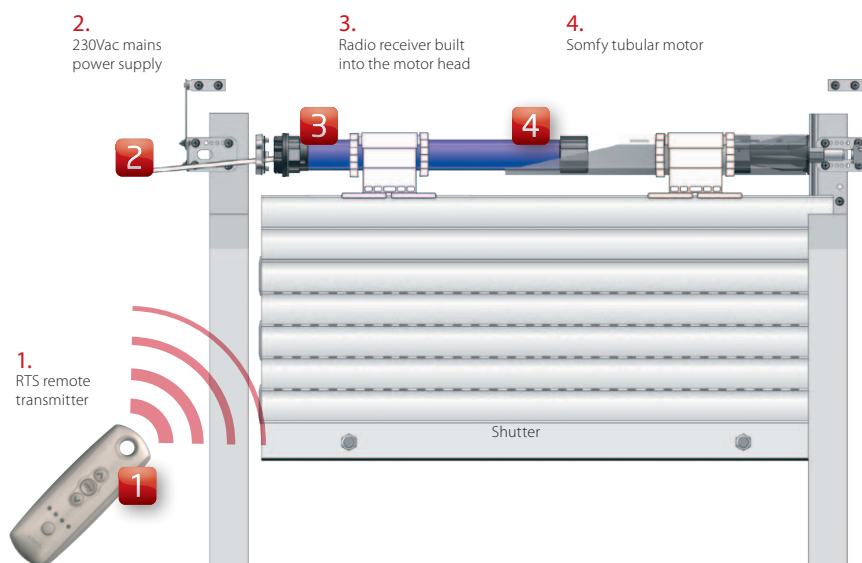
RTS tubular motor

- Rapid set push button limits
- Integral radio receiver
- Compatible with RTS controls
- Available up to 50NM

## How does it work?

Installing, setting up and using a RTS powered roller shutter is very simple:

1. Connect the 230Vac mains supply to the motor and isolate other RTS motors in the group
2. Carry out a simple programming procedure to set the roller shutter direction and upper/lower limit positions using the RTS controller
3. Record a RTS control to the roller shutter and you're done
4. Limit positions can be re-adjusted afterwards with the RTS control
5. New RTS controls can be added or removed as required



## Somfy® Radio Technology Quality Assured

Radio Technology Somfy® is the market standard with over 4 million systems installed globally.

### A secure communication protocol

RTS is completely secure. The RTS signal will transmit 200M in free space or 20M through two concrete walls. Radio signals between the motor and control are protected using rolling code encryption, ensuring that the signal is both very reliable and impossible to clone.

### A motor you can rely on

Once you have completed your RTS motor programming, the information is safely stored in the memory of the motor. Once set, loss of power to the motor will not affect the information stored.

### A flexible control solution

Up to 12 RTS controls can be stored per RTS motor – that's more than enough controls for even the most demanding of clients!

RTS motors require individual isolation during programming and the maximum number of motors which should be added to one controller is 8.

# RTS control range



## Telis 1 & 4 RTS

Remote control

- Single & multi-channel versions
- Up, down, stop
- "my" favourite position
- White, silver & black finish



## Telis 16 RTS

16 channel remote control

- LCD screen
- Up, down, stop
- "my" favourite position
- White or silver finish



## Telis 6 Chronis RTS

6 channel timer control

- LCD screen
- Up, down, stop
- "my" favourite position
- 6 timer functions per day
- Presence simulation function
- White or silver finish



## Quality Assured

Somfy motor and controls are supplied with a 5 year warranty. Full training and support is available from SWS on the RTS product range. **Please contact us for more information.**



## Sunis RTS

Autonomous light sensor

- Solar powered
- Adjustable light threshold
- Operates up to 8 shutters on the same facade



## Sunis Indoor WireFree™ RTS

Battery powered light sensor

- Battery powered
- Adjustable light threshold
- Window pane or sill mount
- Operates up to 8 shutters on the same facade



## Centralis Indoor Receiver RTS

- Used to connect hard wired installations to RTS
- Converts an existing hard wired system to RTS

## Dry Contact Transmitter RTS

- Used to connect hard wired installations to RTS
- Converts a contact closure signal from a third party switch design into a RTS signal

# Benefits of your RTS Roller Shutter

## Installer benefits

Quicker to install – each motor only requires a 230Vac connection:

- No unsightly trunking or chasing out walls
- No extra cost for additional materials
- Much smarter and more professional finish

A much more flexible control solution offer:

- No cabling between the motor and control
- Add and remove controls as required
- Mount the controls in a position of choice
- Use Centralis RTS Indoor Receiver to upgrade wired installations

Added value functionality:

- Timer control can provide automatic operation
- Light sensors can provide anti glare/shading solution
- Building Management System interface control options
- Group command options as standard
- Easy to change group controls

## Client benefits

A professional finish that doesn't compromise the decor of the property:

- Minimum disruption to the interior decor
- The installation work is finished quicker
- Cheaper installation costs
- Reliable products

A much more flexible control solution offer:

- Choice of remote handsets or wall switches or a combination of both
- Controls can be mounted at a preferred position
- New controls can be added later
- Dry Contact Transmitter option to control RTS with contact closure signalling

Added value functionality:

- Increased convenience
- Enhanced solution for the property occupants
- Total solution for all project scenarios
- Automatic timer and sun shading solutions

Single channel wall switch control.

### Mechanical control unit

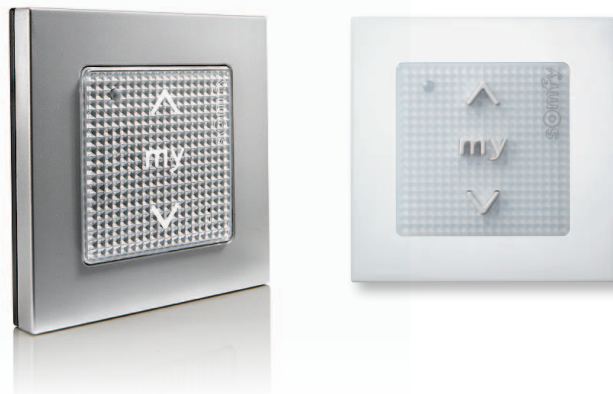
#### Smoove Mechanical RTS

- Mechanical wall-mounted control unit
- All the features of Smoove with RTS

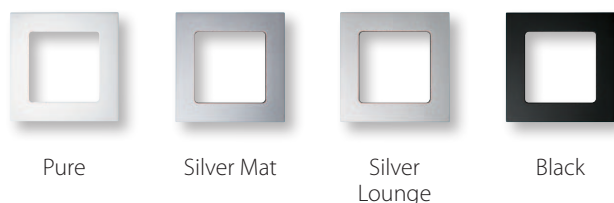
### Touch-sensitive control unit

#### Smoove 1 RTS

- Wall-mounted touch-sensitive control unit
- Single channel
- Up, down, stop, "my" favourite position



A complete range available with a variety of frame finishes:



Pure

Silver Mat

Silver Lounge

Black



Light Bamboo

Amber Bamboo

Cherry

Walnut

A variety of switch finishes:



Pure Shine

Black Shine

Silver Shine

## Benefits for You

- ✓ Intelligence in action
- ✓ Innovative yet simple
- ✓ Offer a customised installation
  - Range of colours and frames to suit all décors
- ✓ Easy installation
  - Simple and flexible to install with no wires, no cables and no damage to décor
  - Easy to use, with an audible tone when the module is switched on or off via the on/off button
  - Can be mounted to electrical recess boxes in new-build projects

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