

## b Programming of the intermediate position - from the UP limit

1 Move the blinds to their UP limit with the ▲ button of the RTS control.

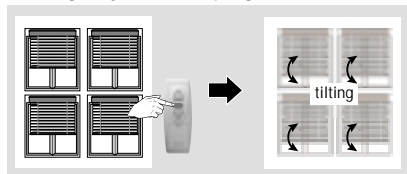
2 Press the ▼ and ▾ buttons **simultaneously** until the blinds begin to move DOWN. after 3 seconds

3 Stop the blinds at the intermediate position you wish (it can be the DOWN limit). If necessary, adjust this position with the ▼ or ▲ buttons.

4 Press the ▾ button for more than 5 sec.  
⇒ The blinds move briefly (up/down), the intermediate position is recorded.

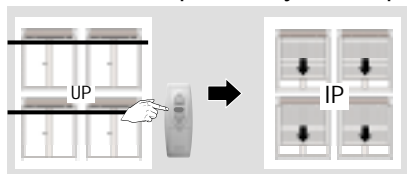
## c Using the tilting operation and/or the intermediate position

If tilting only has been programmed



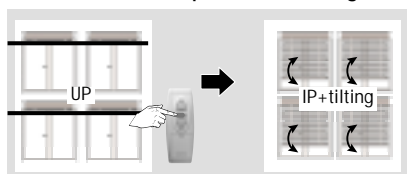
- When the blinds are closed at any position (after a DOWN movement), press briefly on the ▾ button.  
⇒ The blinds will tilt to the pre-set angle.  
Note: after an UP movement, the blinds will not tilt.

If the intermediate position only has been programmed



- When the blinds are at their UP limit, press briefly on the ▾ button.  
⇒ The blinds will move and stop at the intermediate position.

If both intermediate position and tilting have been programmed



- When the blinds are at their UP limit, press briefly on the ▾ button.  
⇒ The blind will move, stop at the intermediate position and tilt to the pre-set angle.

## d Delete the tilting speed / intermediate position / automatic tilting

If you record a new IP or a new tilting function, this will automatically erase the previous one. If you want to erase without recording a new one, Press briefly on the ▾ button to reach the IP or to get the tilting (or both), then:

- To erase the tilting, press the ▾ and ▲ buttons **simultaneously** for more than 5 seconds.
- To erase the intermediate position, press the ▼ and ▾ buttons **simultaneously** for more than 5 seconds.

To erase both, just press the ▾ button for more than 5 seconds.

⇒ The blind will move briefly (UP/DOWN) indicating that Power 2.5 DC RTS has deleted the intermediate position and/or the tilting.

If you record a new tilting speed this will automatically erase the previous one.

# 6 Reset of the Power 2.5 DC RTS



To remove all RTS controls, the intermediate positions and the automatic slat tilting press and hold the PROG push button of the Power 2.5 DC RTS for at least 7 seconds :

- ⇒ After 2 seconds, the blinds move *briefly* (UP/DOWN).
- ⇒ After 5 more seconds, the blinds move briefly (UP/DOWN) to indicate that all RTS controls, the intermediate positions and the automatic slat tilting have been erased from the memory of the Power 2.5 DC RTS.

# 7 Trouble shooting guide

Nothing works :

- ⇒ Check the good wiring of the Power 2.5 DC RTS.
- ⇒ Check the mains.
- ⇒ Check the motors.
- ⇒ Check the batteries of the transmitter.
- ⇒ Check the compatibility of the transmitter. Only RTS controls are suitable.
- ⇒ Check that the transmitter has been properly recorded in the Power 2.5 DC RTS memory.
- ⇒ Check for any other possible source of radio interferences.

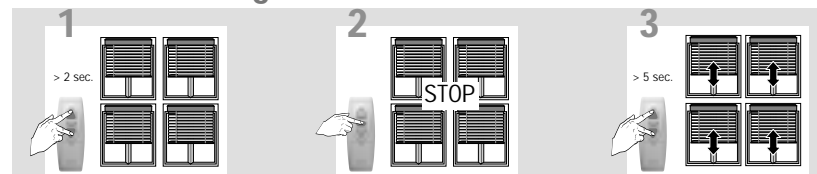
Phantom slat tilting :

- ⇒ Be sure to adjust the slat tilting when the blind is approximately 1 down of the window.

Phantom intermediate position :

- ⇒ The programmed IP can only be reached from UP or DOWN limits not when the blinds are in another position.

Too short working time :



If the blinds don't reach the programmed positions the power output time could be too short. To insure to have 180 s output time (normal factory setting) press and hold the "UP" and "DOWN" buttons simultaneously for more than 2 seconds.  
⇒ the blinds begin to move.

Press briefly the "STOP" button of the RTS control.

Press and hold the "UP" and "DOWN" buttons simultaneously for more than 5 seconds.  
⇒ the blinds move briefly (UP/DOWN) indicating that a working time of 180 seconds has been memorized.

Lost in your programming mode :

- ⇒ Just make a complete reset (refer to section 6) and start again.

Note : with sub group control and due to individual difference of blinds we can not warranty the perfect alignment of the bottom bars as well as the perfect automatic slat tiltings.

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# INSTALLATION guide



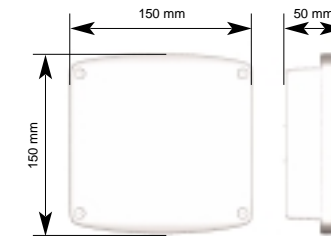
## POWER 2.5 DC RTS

The Power 2.5 DC RTS is a radio receiver power supply designed for Somfy 24V motors and is compatible with all RTS controls. It can be used with all lift / tilt and lift only blind applications.

- Up to 12 RTS controls can be memorised in the memory of the Power 2.5 DC RTS allowing general control.

# 1 Characteristics

- Nominal supply voltage : 230 V AC
- Output voltage : 24 V DC SELV
- Maximum output load : 2.5 A
- Output duration : active for 180s
- Dimensions : 150 x 150 x 50 mm
- Frequency : 433.42 Mhz
- Protection indice : IP 20
- For internal use only
- For intermittent use only
- Compatible with : Telis 1/4 RTS - Centralis RTS - Chronis RTS - Chronis RTS L



# 2 Installation

CE Hereby, SOMFY, declares that this equipment is in compliance 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](http://www.somfy.com) Heading CE, usable in EU. ©

## WARNINGS :

Cordless radio equipment (e.g. headphones) in 433 Mhz can affect the functioning of the Power 2.5 DC RTS. Please keep them far from your blinds. Metallic mass (e.g. metallic false ceiling) can affect the functioning of the radio.

### 2.1 Mounting

- Remove the cover of the Power 2.5 DC RTS.
- Drill two holes into the wall according to the mounting diagram (Fig 1).
- Fix two screws into the wall and fit the base of the Power 2.5 DC RTS by sliding it on the screw heads.
- Screw up the two screws.

The mains and the 24 V DC output must be placed in two separated cable trunking (see diagrams below). Use the pre-cut access located in front of the Power 2.5 DC RTS.

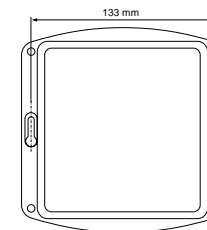
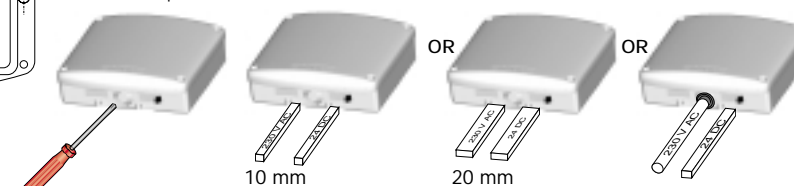


Fig.1



### 2.2 Wiring

The Power 2.5 DC RTS is compatible with all Somfy 24V DC motors. Cabling arrangements are shown in the diagram ( Fig 2).

- Take care to respect the electrical standards as well as the following points :
- Disconnect the mains before carrying out any work.
- Be careful to avoid static electricity which could damage some electronic components.
- Use flexible cables.
- Ensure that no forces act on the screw terminals after installation.

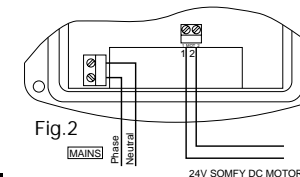


Fig.2


24V SOMFY DC MOTORS

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# 3 Programming

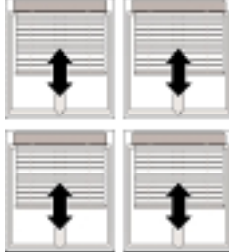
## 3.1 Initial installation : Record the first control

**1**

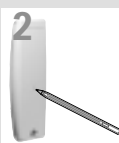


Press and hold the P R O G . push-button of the Power 2.5 DC RTS for at least 2 seconds.

⇒ The blinds move briefly (UP/DOWN), to indicate that the Power 2.5 DC RTS has entered in its programming mode for a time period of 2 minutes.




**2**



Press briefly the programming button on the RTS control you wish to record.

⇒ The blinds move briefly (UP/DOWN) indicating that the control has been memorised by the Power 2.5 DC RTS which will then automatically quit its programming mode.



### SEVERAL CONTROLS IN ONE POWER 2.5 DC RTS

Up to 12 RTS controls can be recorded in the Power 2.5 DC RTS following the same procedure described in the § 3.1.

### ONE CONTROL FOR SEVERAL POWER 2.5 DC RTS

Press the PROG. Push button of all Power 2.5 DC RTS you wish to control.

⇒ The blinds move briefly (UP/DOWN), to indicate that the Power 2.5 DC RTS have entered in their programming mode for a time period of 2 minutes.


Then press briefly the programming button of the RTS control.

⇒ The blinds move briefly (UP/DOWN) indicating that the control has been memorised by the Power 2.5 DC RTS which automatically quit their programming mode.

Note : IP, tilting speed and slat tilting should be programmed individually for each Power 2.5 DC RTS.

## 3.2 Add a new control when the Power 2.5 DC RTS is not accessible

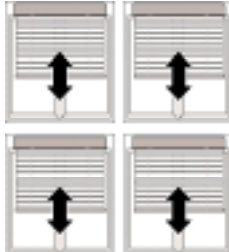
**1**



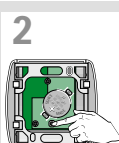
> 2 sec.

Press the programming button of a previous programmed RTS control for more than 2 seconds.

⇒ The blinds move briefly (UP/DOWN) indicating that the Power 2.5 DC RTS has entered in its programming mode.

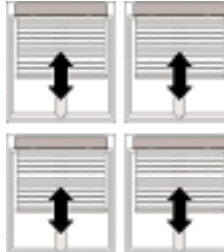


**2**



Press briefly the programming button on the new RTS control you wish to add.

⇒ The blinds move briefly (UP/DOWN) indicating that the new control has been memorised by Power 2.5 DC RTS.



## 3.3 Remove a control

To remove a RTS control, set the Power 2.5 DC RTS in its programming mode (see § 3.1), then press briefly the programming button of the RTS control you wish to remove.

It is also possible to "wake up" the Power 2.5 DC RTS with another RTS control which is also recorded (see § 3.2), then press briefly the programming button of the RTS control you wish to remove.

To remove all the RTS controls, refer to chapter 6 (complete reset of the Power 2.5 DC RTS).

# 4 Operating of lift only applications

(for lift/tilt operating, please refer to section 5)

## 4.1 UP/DOWN/STOP commands

- 1 To lower or raise the blinds, press briefly the ▼ and ▲ buttons of a RTS control.
- 2 To stop the blinds, press briefly the ■ button of a RTS control.

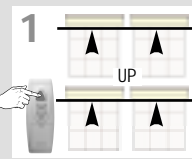


## 4.2 Intermediate positions

With the Power 2.5 DC RTS, it is possible to set one or two intermediate positions: one accessible from the top, when the blinds are fully retracted (IP1) and one from the bottom (IP2). To record these positions, the Power 2.5 DC RTS has to record the time for the blinds to go from one end limit to the desired IP.

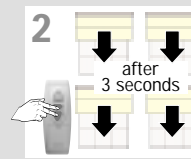
### a Programming the 1st intermediate position (IP1) - from the UP limit

**1**



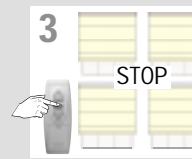
Move the blinds to their UP limit with the ▲ button of the RTS control. Press briefly the ■ button of the RTS control, immediately the last blind reaches its UP limit.

**2**



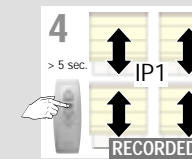
Press and hold the ■ and ▼ buttons simultaneously until the blinds begin to move DOWN.

**3**



STOP the blinds at the intermediate position you wish. If necessary, adjust this position with the ▼ or ▲ buttons.

**4**



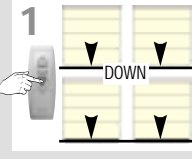
Press and hold the ■ button for more than 5 sec.

⇒ The blinds move briefly (UP/DOWN), IP1 is now recorded.

### b Programming the 2nd intermediate position (IP2) - from the DOWN limit

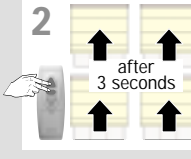
Note: this position has to be more than 6 seconds running time from the down limit.

**1**



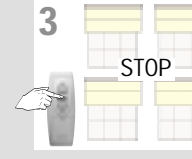
Move the blinds to their DOWN limit with the ▼ button of the RTS control. Press briefly the ■ button of the RTS control, immediately the last blind reaches its DOWN limit.

**2**



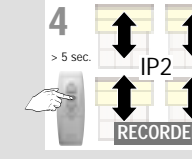
Press and hold the ■ and ▲ buttons simultaneously until the blinds begin to move UP.

**3**



STOP the blinds to the intermediate position you wish. If necessary, adjust this position with the ▼ or ▲ buttons.

**4**



Press and hold the ■ button for more than 5 sec.

⇒ The blinds move briefly (UP/DOWN), IP2 is now recorded.

### c Using the intermediate positions

- When the blinds are at their UP limit: Press briefly on the ■ button.  
⇒ The blinds will move and stop at the 1st intermediate position (IP1).
- When the blinds are at their DOWN limit: Press briefly on the ■ button.  
⇒ The blinds will move and stop at the 2nd intermediate position (IP2).

### d Delete an intermediate position

If you record a new IP, this will automatically erase the previous one.

If you want to erase without recording a new one, reach the IP you want to erase (§ 4.2.C), then:

- to erase IP1, press the ▼ and ■ buttons simultaneously for more than 5 seconds.
- to erase IP2, press the ▲ and ■ buttons simultaneously for more than 5 seconds.

If you want to erase both IP, reach one of the two IP, then press and hold the ■ button for more than 5 seconds.

⇒ The blinds move briefly (UP/DOWN) indicating that the intermediate position have been erased.

# 5 Operating of lift/tilt applications

(for lift operating, please refer to section 4)

## 5.1 UP/DOWN/STOP/TILT commands

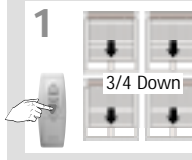
- To lower or raise the blinds, press briefly (1 sec.) the ▼ or ▲ buttons of an RTS control.
  - To stop the blinds, press briefly (1 sec.) the ■ button of an RTS control.
  - To tilt the slats, press and hold the ▼ or ▲ buttons of an RTS control.
- If you hold the control buttons for more than 6 seconds, the blinds will start to move continuously up to their end limits.



## 5.2 TILTING speed adjustment

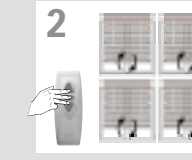
The speed of the motors can be reduced in order to make the adjustment of the slats easier during the tilting operation.

**1**



Move the blinds approximately 3/4 down of the window.

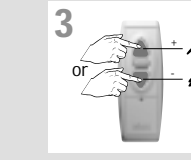
**2**



Press and hold the ▼▲ and ■ buttons simultaneously for 2 seconds.

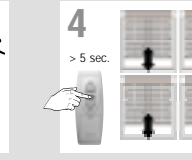
⇒ The blinds start to move UP and DOWN alternatively.

**3**



Press several time the ▲ button to increase or ▼ button to decrease the speed.

**4**



Press and hold the ■ button for more than 5 seconds when the speed is convenient.

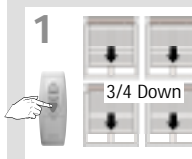
⇒ The blinds move briefly (UP/DOWN) to indicate that the low speed is set.

## 5.3 Automatic slat tilting / Intermediate position

With the Power 2.5 DC RTS, it is possible to program an automatic tilting of the slats and an intermediate position (IP). You can choose to program either the slat tilting or the IP or both.

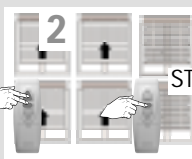
### a Programming of the slat tilting (Set the tilting speed before programming the automatic tilting § 5.2)

**1**



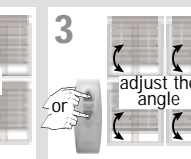
Move the blinds approximately 3/4 down of the window.

**2**



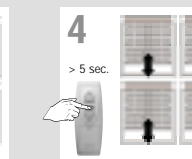
Press the ▲ and ■ buttons simultaneously until the blinds begin to move UP and STOP then immediately to prevent reaching their end limits.

**3**



Adjust the tilt angle with the ▼ or ▲ buttons (the blinds operate at low speed).

**4**



Press the ■ button for more than 5 sec.

⇒ The blinds move briefly (UP/DOWN), the tilt angle is recorded.